

Dr. Sandip Dhara has been conferred membership in the American Chemical Society and also he has been elected as member of The Royal Society of Chemistry

Dr. John Philip has been conferred membership in the American Chemical Society

Best Paper Awards

Bioinspired Superhydrophobic Surface by Deposition of Fluorinated Si nano Particles on Type 304L stainless Steel

Ms. M. Ezhil Vizhi, Ms. S. C. Vanithakumari, Dr. R.P. George, Ms. S. Vasantha and Dr. U. Kamachi Mudali

International Corrosion Symposium for Research Scholars (CORSYM 2015) at IIT, Madras, 31 July ♦ 01 August, 2015

Dr. T. Jayakumar, MMG has been bestowed with VA Chandramouli Award by the Indian Society for Non-destructive Testing, Hyderabad Chapter-award received on April 02, 2015

Dr. M. Sai Baba, has been elected as a Fellow of the Academy of Sciences, Chennai on April 10, 2015

Dr. U. Kamachi Mudali is awarded AICTE-INAE Distinguished Visiting Professorship by INAE, New Delhi for the year 2015-16.

Dr. Rani P. George has been elected as a Fellow of the Indian Institute of Metals.

Dr. Rani P. George received Shri. S.K. Seshadri Memorial Mascot National Award, 2015 from Electrochemical Society of India, Bangalore in the area of corrosion and electrochemistry.

Ms. K. Kamali has received the Dr. K. V. Rao Research Award for the year 2014 -15, in Physics for her research work titled Selective Soft Mode Frustration in $KMn[Ag(CN)_2]_3$ Single Crystals Studied by Raman Spectroscopy and First-Principles Calculations from Dr. K. V. Rao Scientific Society

Best Paper Awards

Development of SiC coating by pack cementation as interlayer over graphite for deposition of yttria by plasma spray process

Shri H. Thirunavuakkarasu, Shri E. Vetrivendan, Shri Ch. Jagadeeswara Rao, Dr. C. Mallika, Shri R. Subramanian and Dr. U. Kamachi Mudali

Natl. Symp. on Advances in Materials and Processing (NSAMP-2015), PSG College of Technology, Coimbatore, May (2015).

Dr. P. R. Vasudeva Rao, Director, IGCAR has been selected as the Vice President for the Council of Materials Research Society of India

Dr. S. Amirthapandian has received the Young Scientist Award for the year 2014 from the Academy of Sciences, Chennai

Dr. John Philip has been elected as a member of the editorial committee for the Indian Journal of Engineering & Materials Sciences

Dr. N. R. Sanjay Kumar has received the Best Thesis award for his thesis titled High Pressure High Temperature Synthesis and Study of Novel Transition Metal Carbides during the 59th DAE Solid State Physics Symposium The award is instituted by Indian Physics Association

Dr. N. V. Chandra Shekar has been selected by President, MRSI to receive the MRSI Medal for the year 2015

Best Paper/Poster

Ab-initio study of the Magnetism, Structure And Spin Dependent Electronic States of Ti substituted MO (M=Mg, Ca, Sr)

Dr. G. Jaiganesh and Dr. S. Mathi Jaya 59th DAE Solid State Physics Symposium

Best Poster Presentation Award

Patent

Wash Solution Suitable for use in Continuous Reprocessing of Nuclear Fuel and a System Thereof

authored by Dr. P. Govindan, Shri K. Dhamodharan, Shri K. S. Vijayan, Dr. R. V. Subba Rao, Shri M. Venkataraman and Dr. R. Natarajan, has been granted as patent by Japan - (Japanese Patent No. 5643745)

Dr. U. Kamachi Mudali has been awarded the G.D. BIRLA GOLD MEDAL for the year **2014** for his outstanding Research work in the field of Materials Science and Technologies from Indian Institute of Metals, Kolkata

Dr. S. Venugopal has been elected as a Fellow of the Academy of Sciences, Chennai

Ms. Dipti Samantaray has received the Young Metallurgist Award for the year 2014 from Ministry of steels, Government of India on National Metallurgist Day, for her outstanding contribution in the field of flow behavior and microstructural evolution of nuclear grade steels

DAE Awards

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2013 are:

Homi Bhabha Science and Technology Award Dr. B. Purna Chandra Rao, MMG

Scientific and Technical Excellence Award Shri R. Suresh Kumar, RDG

Dr. N. Subramanian, MSG

Young Applied Scientist/Technologist Award Shri Sanatana Maharana, RpG

Shri P. Varadharajan, RpG

Shri S.C.S.P. Kumar Krovvidi, FRTG

Young Engineer Award

Ms. Saritha P. Menon, EIRSG

Shri Nimala Sundaram, RDG

Shri Y. V. Nagaraja Bhat, FRTG

Shri Gagan Gupta, RDG

Meritorious Technical Support Award

Shri A. Ananthakumar, CG

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Dr. D.M. Gaitonde, **Group Leader**

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Dr. K. Nagarajan, **CG, Group Leader**

Shri G. Ravisankar, Dr. K. **Ananthasivan**, Dr. R. Venkata Krishan, Shri Dasarath Maji, Dr. R. Babu, Shri Abhiram Senapati, Shri Gude Jogeswararao, Shri B. Kothandaraman, Shri N. Vinod Kumar, Shri Y. Yuvaraj, Shri D. Kothandan, Shri T.V. Prabhu, Shri R.Padmanabhan, Shri A. Anantha Kumar, Shri R. Lavakumar, Shri Abhishek KumarYadav, Shri G. Nantha Kumar, Shri M. Masanam, Shri G. Parthiban, Shri R. Rajaram, Shri K.A. Samuel Kutty, Shri N. Eswaran, Shri P. Arunagiri, Shri V. Dilli babu, Shri A. Praveen, Shri G. Lakshmanan, Shri R. Kumaran, Shri T. Ramamurthy, Shri E. Nagappan, Shri E. Mohanraj, Shri B. Vijayavelu, Shri Kathiravan, Shri B. Radhakrishnan, Shri M. Saravanan, Shri R. Parthasarathy, Ms. Sai Subbulakshmi, Shri G. Rajendra Prasad, Shri Y. Ravi, Ms. B. Suhasini, Shri J. Prabhakar Rao, Shri Ajay Kumar Keshari, Shri G. Gunasekaran, Shri K. Vijayakumar, Shri D. Vijayakumar, Shri Mohammad Sithick, Shri T. Ravi, Ms. R. Akila, Ms. N. Chitra, Shri Brahmaji Rao and Shri N. Ravi from **CG**, Shri P. Narayana Rao, Shri Krishna Chaitanya, Shri C. Muniyandi, Shri D. Henson Raj and Shri G. Vijayaraghavan from **EIRSG**, Shri S.A. Natarajan, Shri P. Karuppasamy, Shri P. Balakrishnan, Shri E. Venkatesh, Shri S. Manimaran, Shri P. Loganathan, Shri K. Narayanan, Shri C. Muthusamy, Shri M. Damodaran from **ESG**, Shri S. ClementRavi Chandar, Shri M. Asok Kumar and Shri T. Rajkumar from **RDG**, Dr. S. Murugan, Shri K.A. Gopal, Shri M. Muthu Ganesh, Shri Rajesh Saxena, Shri R. Ramesh, Shri K. Purushothaman, Dr. Divakar Ramachandran, Shri C.N. Venkiteswaran, Shri A. Vijayaraghavan, Shri V. Anandaraj, Ms. M. Padalakshmi, Shri S.Vinod Kumar and Ms. S. Gomathi from **MMG**, Shri S.Varatharajan, Shri S. Kanagaraju, Shri K. Kamaludeen, Shri G.N. Chandrasekaran, Shri V. Gunasekaran and Ms. Gowri Lakshmanan from **ROMG**, Shri N. P. Seshadreesan from **FRFCF**

The award was also shared by colleagues from **BARC**

instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2014 are:

Scientific and Technical Excellence Award	Shri A. Palanivel, RDG Shri A. John Arul, RDG
Young Applied Scientist/Technologist Award	Shri Barid Baran Lahiri, MMG Shri Satyabrata Mishra, RpG
Young Scientist Award	Dr. Arun Kumar Rai, MMG
Young Engineer Award	Shri A. Viswanath, MMG Shri Sanjeev Kumar, RDG Shri T. Raj Kumar, RDG Shri Juby Abraham, RDG
Meritorious Technical Support Award	Shri G. Ramadoss, ESG Shri P. Bakthavachalam, FRTG Shri K. Arumugam, ROMG Shri R. Rajaram, CG
Meritorious Service Award	Ms. Shanthi Rajendran, FRTG Ms. Sasikala Manohar, MSG

Group Achievement Awards:

Development of Indian Reduced Activation Ferritic Martensitic (INFRAFM) Steel for India's Test Blanket Module (TBM) in ITER

Dr. T. Jayakumar, Group Leader

Dr. Arun Kumar Bhaduri, Dr. K. Laha, Dr. Saroja Saibaba, Shri Raju Subramanian, Dr. R. Sandhya, Dr. V. S. Srinivasan, Dr. Aniruddha Moitra, Dr. A. Nagesha, Dr. Vani Shankar, Dr. R. Mythili, Shri Sunil Goyal, Shri M. Nandagopal, Shri G. V. Prasad Reddy, Shri V. David Vijayanand, Ms. J. Vanaja, Shri Arun Kumar Rai, Shri Aritra Sarkar, Shri K. Mariappan, Shri N. S. Thampi, Shri R. Balakrishnan, Ms. S. Panneer Selvi, Shri M. Govindasamy from **MMG**

Design and Development of Wireless Sensor Networks for Nuclear Facilities

Dr. S .A. V. Satya Murty, Group Leader

Ms. Jemimah Ebenezer, Shri Sukant Kothari, Ms. D. Baghyalakshmi, Ms. G. Sandhya Rani, Ms. Vinita Daiya, Shri T. S. Shri Krishnan, Ms. Deepika Vinod, Ms. R. Vijayalaxmi, Dr. R. Baskaran, Shri V. Gopalakrishnan, Dr. M. T. Jose, Shri R. Nandakumar, Shri N. Radhakrishnan, Shri V. Balu, Shri Ibrahim Khan, Shri P. Solai Raj, Shri A. Boopalan, Shri N. Sathish Kumar, Shri K. Rajesh from **EIRSG**, Shri S.Vannia Perumal, Shri P. Venkatesh, Dr. B. Prabhakara Reddy from **CG**, Shri T. Chandran, Shri M. Shanmugavel, Shri B. Babu from **FRTG**, Shri Kalyan Rao Kuchipudi, Shri D. Loganathan, Shri R. Shunmugavel, Shri P. Immanuel Stephen from **ROMG**

Experimental Verification and Qualification of Equipment towards Demonstrating Safety of Sodium Systems of PFBR

Dr. D. Ponraju, Group Leader

Shri P. Selvaraj, Shri B. K. Nashine, Shri E. Hemanth Rao, Shri S. S. Ramesh, Shri Sanjay Kumar Das, Ms. G. Punitha, Shri Arjun Pradeep, Ms. G. Lydia, Ms. B. Malarvizhi, Shri M. Kumaresan, Shri S. S. Murthy, Shri Anil Kumar Sharma, Shri S. Athmalingam, Shri V. Balasubramanian, Shri P. Mangarjuna Rao, Shri S. Srinivasan, Shri K. E. Jebakumar, Shri Ch. S. S. S. Avinash, Shri Avinash Kumar Acharya, Ms. V. Snehalatha, Shri G. Venkat Reddy, Shri S. Muthu Saravanan, Shri J. Anandan, Shri T. Lokesh, Shri V. Sebasthi John, Shri S. Satheesh Kumar, Ms. Sujithra, Shri R. Suresh Kumar, Shri M. Aravind, Shri R. Manu from **RDG**, Shri V. Venkatachalapathy, Shri N. Suresh, Shri M. K. Satheesh Kumar, Shri D. Balamurugan, Ms. R. Thilakavathi, Shri D. Hari, Shri G. Ramanathan, Shri P. Senthil Arumugam from **ESG**, Shri T.V. Maran, Shri K. Mohan Raj, Shri S. Chandramouli, Shri G. Kempul Raj, Shri R. Iyappan, Shri R. Parandaman, Shri S. Kannan, Shri P. Lakshmayya, Shri P. Pothi from **FRTG**

Design, Development and Experimental Testing of Sodium Submersible Annular Linear Induction Pump (SALIP) for FBR

Shri B. K. Nashine, Group Leader

Shri B. Babu, Shri K. V. Sreedharan, Shri B. K. Sreedhar, Shri S. Chandramouli, Shri G. Vijayakumar, Ms. J. I. Sylvia, Shri V. Ramakrishnan, Shri S. K. Dash, Shri Prashant Sharma, Shri Vijay Sharma, Shri R. Rajendra Prasad, Shri Gautam Anand, Shri S. Kannan, Shri R. Iyappan, Shri P. Lakshmayya, Shri P. Pothi, Shri P. Vijaya Mohan Rao, Shri G. Anandan, Shri P. Bakthavatchalam, Shri V. Krishnamoorthy, Shri Pitambar Padhan, Shri A. Ashok Kumar, Shri S. Krishnakumar, Shri Parmanand Kumar, Shri N. Venkatesan, Shri A. Thirunavukkarasu, Shri P. C. V. Murugan, Shri N. Mohan, Shri M. Karthikeyan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Mohanasundaram, Shri L. Muthu, Shri N. Sreenivas, Shri L. Eagambaram, Shri D. Muralidhar, Shri S. Ravishankar, Shri S. Alexander Xavier, Shri C. Rajappan, Shri K. Ganesh, Shri Ashish Tiwari, Shri P. R. Ashokkumar, Shri K. Arumugam, Shri Shiv Prakash Ruhela, Shri R. K. Mourya, Shri R. Ramalingam, Shri Vijay Tirkey, Shri P. Sonai, Shri M. Kathiravan, Shri K. A. Bijoy, Shri A. Selvakumaran, Shri D. Laxman, Shri M. Anbuchelian, Shri N. Chakraborty, Ms. Indra G. Ramadoss from **FRTG**

Design, Numerical and Experimental Simulations, Development and Qualification of Principal Fuel Handling Machines of PFBR

Shri S. Raghupathy, **RDG**, IGCAR & Shri R. J. Patel, **RD&DG**, BARC - Group Leaders

Shri Jose Varghese, Shri A. Venkatesan, Shri N. Subramanian, Shri E. Balasundaram, Shri M. A. Sanjith, Ms. T. Suguna, Shri P. Shanmuganathi, Shri R. Suresh Kumar, Shri C. Ragavendran, Shri S. D. Sajish, Shri S. K. Rajesh, Shri M. Babu Rao, Shri R. Manu, Shri S. Ramesh, Shri M. Aravind, Shri G. Venkataiah, Shri V. Devaraj, Shri P. Raja, Shri V. Balasubramanian, Shri Sriramachandra Aithal, Shri Abhishek Mitra, Shri S. Saravanan, Ms. M. M. Shanthi, Shri P. Selvaraj, Dr. R. Gajapathy, Dr. K. Velusamy, Shri R. Arulbaskar, Shri K. Natesan, Shri S. Jalaldeen, Shri Bhuwan Chadra Sati, Shri Sanjay Kumar Pandey, Shri C. S. Surendran, Shri V. N. Sakthivel Rajan, Shri S. Arumugam, Shri Sanjeev Kumar, Shri P. Lennin, Shri L. Chadrasekaran, Shri S. Duraiannu from **RDG**, Shri S. Jaisankar, Shri G. Kempulraj, Shri B. S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri S. A. Natarajan, Shri S. Murugan, Shri S. Satees Kumar, Shri C. Palani, Shri T. Saravanan, Shri D. Dileep, Shri U. Gunasekaran, Shri S. Ramesh, Shri G. Janarthanan, Shri V. Kodiarasan, Shri S. P. Jaisankar, Shri A. Padmanabhan, Shri S. Yuvaraj, Shri E.

Shri S. Sundaramurthy, **RpG**
 Shri C. Ambujakshan Nair, **FRTG**
 Shri K. Subramanian, **ROMG**
 Shri R. Ranganathan, **Administration**
 Shri R. Sriram, **Accounts**

Meritorious Service Award

Group Achievement Awards:

Collaborative Research Coordination Under BRNS and Outreach Activities for Human Resource Development

Dr. D.M. Gaitonde, **Group Leader**
 Dr. M. Sai Baba and Dr.Vidhya Sundararajan from **RMG** and Shri G.Padmakumar from **FRTG**.
 The award was shared by colleagues from **BARC, IGCAR, NFC, VECC** and **DAE**

Design, Confirmation of Primary Sodium Pump by Analysis Testing and Evaluation

Shri V. Balasubramanian, **Group Leader**
 Shri K.V. Sreedharan, Shri S. Athmalingam, Shri Bhagwana Ram Manda, Shri P. Chandrasekaran, Shri S. Chandrasekar, Shri S. Satheesh Kumar, Shri K. Madhusoodhanan, Shri S. L. N. Swamy, Shri M. Sakthivel, Shri Govind Kumar Mishra, Ms. R. Varuna, Dr. K. Velusamy, Shri S. Jalaldeen, Shri K. Natesan, Shri R. Suresh Kumar, Shri Bhuwan Chandra Sati, Shri P. Jayaraj, Shri R. Arulbaskar, Shri Ram Kumar Maity, Shri Juby Abraham, Shri Kulbir Singh and Ms. E. Bagyalakshmi from **RDG**, Shri V. Prakash, Shri B. K. Sreedhar, Shri Ranga Ramakrishna, Shri P. Anup Kumar, Shri P.Ravi, Shri J.Jaikanth, Shri K. Tamil Selvan, Shri P. Adithan, Shri N. S. Shivakumar, Shri S. Sureshkumar, Shri S. Balakrishnan, Shri A. Gururajan, Shri S. Rajkamal Singh and Shri K. H. Anub from **FRTG**

Development of In-sodium Sensors for PFBR

Shri B. Babu, **Group Leader**

Shri B. K. Nashine, Shri C. Asokane, Shri S. Chandramouli, Shri S.K.Dash, Shri G. Vijayakumar, Shri R.Rajendraprasad, Ms. P. Anitha, Ms. M. Mohana, Shri Chandra sekhar Singh, Shri M. R. Jeyan, Shri M. Kathiravan, Shri V.Gunasekaran, Shri A.Selvakumaran, Shri K.A.Bijoy, Shri A. Ashokkumar, Shri D.K.Saxena, Shri P. Bhavanirajan, Shri Prashant Sharma, Shri Vijay Sharma, Shri Krishnakumar, Shri Gautam Anand, Shri R. Punniyamoorthy, Shri D.Muralidhar, Shri S.Ravishankar, Shri S. Alexander Xavier, Shri Parmanand Kumar, Shri N.Venkatesan, Shri A.Thirunavukkarasu, Shri C.Rajappan, Shri P.C.V.Murugan, Shri R. Shanmugam, Shri C. Adikesavan, Shri M. T. Janakiraman, Shri N. Sreenivas, Shri L. Eagambaram, Shri P. R.Ashokkumar, Shri K. Arumugam, Shri R. Iyappan, Shri N. Mohan, Shri R. Parandaman, Shri S. Kannan, Shri M. Karthikeyan, Shri K. Ramesh, Shri Shaik Rafee, Shri J. Prabhakaran, Shri V.Kumaraswamy, Shri K. Ganesh, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri Pothi, Shri P.Lakshmayya, Ms. M.Chandra, Shri B.Veeraraghavan, Shri M.Arjunan, Shri Sudheer Patri, Shri S.Sureshkumar, Shri Tribhuvan Ram, Shri Muhammad Sabih, Ms. S. Narmadha, Shri N.Ravichandran, Shri A. Gururajan, Shri Hadibandhu Singh, Shri C.N.Sridhar, Shri K.Balaji, Shri S.Balakrishnan, Ms. J.I.Sylvia, Shri P. Vijaya Mohana Rao, Shri V.S.Krishnaraj, Shri M. Anbuchelian, Ms. S.Divya, Ms. S. Nagajothi, Shri G. Anandan, Shri P. Bakthavatchalam, Shri C. Ambujakshan Nair, Shri A.Kulanthai, Shri R. Gunasekaran, Shri V.Krishnamoorthy, Shri S. C. S. P. Kumar Krovvidi, Shri J. Jaikanth, Shri T. V. Maran, Shri K. Mohanraj, Shri P. Madankumar, Shri Rakesh Kumar Mourya, Shri Shiv Prakash Ruhela, Shri C. Meikandamurthy, Shri Vijay Tirkey, Shri R. Ramalingam, and Shri A. Kolanjiappan from **FRTG**, Dr. C. Babu Rao, Ms. S. Sosamma, Shri K. A. Gopal, Ms. Romali Biswal and Shri Rajesh Saxena from **MMG**, Shri M.Krishnamoorthy, Shri K.M.Natarajan, Shri. A.Padmanabhan, Shri B. Thiruvengadam, Shri C. Arumugam, Shri G.Ramadoss, Shri J. Abilash and Shri B. Palani from **ESG**, Shri S. L. N. Swamy, Shri M. Shakthivel, Shri Govind Kumar Mishra, Ms. R.Varuna, Shri B.Madhavan, Ms. R.Vijayashree from **RDG**, Shri Saju T.Abraham, Shri C.Muniyandi, Shri K.Krishna Chaitanya, Shri P. Narayana Rao, Shri D. Henson Raj, Shri M. V. Kuppusamy from **EIRSG**

Development, Production and Supply of Enriched Boron Carbide (B4C) Pellets for PFBR Project as control and Diverse Safety Rods (CSR and DSR)

Dr. S. Anthonysamy, **CG** and Dr. R.C. Hubli, **MG, BARC, Group Leaders**

Shri A. Veerapandian, Shri I. Kaliappan, Shri R. Ranganathan, Ms. B. Suhasini, Dr. K. Ananthasivan, Shri G. Rajendra Prasad, Shri R. Krishna Prabhu, Dr. Ashish Jain, Shri M. Stanislas, Shri J. K. Sekar, Shri T. Ramamoorthy, Shri V. Paramasivam, Shri E. Gajendran, Ms. K. Usha Lakshmi, Ms. Umamaheswari Rajendraprasad, Shri V. Suresh Kumar, Shri Y. Ravi, Shri D. Seenivasan, Shri V. Venkatachalam and Ms. Preeti Saroop from **CG**. Shri G. Mohankrishnan, Dr. C. Anand Babu, Shri D. Sujish, Shri S. Vikraman, Shri S. Suresh, Shri R.Nagaraj, Shri Joby Joseph, Shri V. Nandakumar, Shri R. Kannan, Shri R. R. Sridharan, Shri M. R. Marikumar, Shri E. Radha, Shri S. Anbarasan, Shri D. Alagar from **FRTG**, Dr. B. K. Sharma from **ROMG**, Ms. T. Sridevi and Shri M. Vincent from **EIRSG**.

The award was also shared by colleagues from **BARC, HWB** and **NFC**

Fabrication of Sphere-PAC and Preference Test Fuel Pins and Irradiation in FBTR

Dr. K. Nagarajan, **CG, Group Leader**

Shri G. Ravisankar, Dr. K. Ananthasivan, Dr. R. Venkata Krishan, Shri Dasarath Maji, Dr. R. Babu, Shri Abhiram Senapati, Shri Gude Jogeswararao, Shri B. Kothandaraman, Shri N. Vinod Kumar, Shri Y. Yuvaraj, Shri D. Kothandan, Shri T.V. Prabhu, Shri R.Padmanabhan, Shri A. Anantha Kumar, Shri R. Lavakumar, Shri Abhishek KumarYadav, Shri G. Nantha Kumar, Shri M. Masanam, Shri G. Parthiban, Shri R. Rajaram, Shri K.A. Samuel Kutty, Shri N. Eswaran, Shri P. Arunagiri, Shri V. Dilli babu, Shri A. Praveen, Shri G. Lakshmanan, Shri R. Kumaran, Shri T. Ramamurthy, Shri E. Nagappan, Shri E. Mohanraj, Shri B. Vijayavelu, Shri Kathiravan, Shri B. Radhakrishnan, Shri M. Saravanan, Shri R. Parthasarathy, Ms. Sai Subbulakshmi, Shri G. Rajendra Prasad, Shri Y. Ravi, Ms. B. Suhasini, Shri J. Prabhakar Rao, Shri Ajay Kumar Keshari, Shri G. Gunasekaran, Shri K. Vijayakumar, Shri D. Vijayakumar, Shri Mohammad Sithick, Shri T. Ravi, Ms. R. Akila, Ms. N. Chitra, Shri Brahmaji Rao and Shri N. Ravi from **CG**, Shri P. Narayana Rao, Shri Krishna Chaitanya, Shri C. Muniyandi, Shri D. Henson Raj and Shri G. Vijayaraghavan from **EIRSG**, Shri S.A. Natarajan, Shri P. Karuppasamy, Shri P. Balakrishnan, Shri E. Venkatesh, Shri S. Manimaran, Shri P. Loganathan, Shri K. Narayanan, Shri C. Muthusamy, Shri M. Damodaran from **ESG**, Shri S. ClementRavi Chandar, Shri M. Asok Kumar and Shri T. Rajkumar from **RDG**, Dr. S. Murugan, Shri K.A. Gopal, Shri M. Muthu Ganesh, Shri Rajesh Saxena, Shri R. Ramesh, Shri K. Purushothaman, Dr. Divakar Ramachandran, Shri C.N. Venkiteswaran, Shri A. Vijayaraghavan, Shri V. Anandaraj, Ms. M. Padalakshmi, Shri S.Vinod Kumar and Ms. S. Gomathi from **MMG**, Shri S.Varatharajan, Shri S. Kanagaraju, Shri K. Kamaludeen, Shri G.N. Chandrasekaran, Shri V. Gunasekaran and Ms. Gowri Lakshmanan from **ROMG**, Shri N. P. Seshadreesan from **FRFCF**

The award was also shared by colleagues from **BARC**

Shri S. Sundaramurthy, **RpG**
 Shri C. Ambujakshan Nair, **FRTG**
 Shri K. Subramanian, **ROMG**
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Shri A. Veerapandian, Shri I. Kaliappan, Shri R. Ranganathan, Ms. B. Suhasini, Dr. K. Ananthasivan, Shri G. Rajendra Prasad, Shri R. Krishna Prabhu, Dr. Ashish Jain, Shri M. Stanislas, Shri J. K. Sekar, Shri T. Ramamoorthy, Shri V. Paramasivam, Shri E. Gajendran, Ms. K. Usha Lakshmi, Ms. Umamaheswari Rajendraprasad, Shri V. Suresh Kumar, Shri Y. Ravi, Shri D. Seenivasan, Shri V. Venkatachalam and Ms. Preeti Saroop from **CG**. Shri G. Mohankrishnan, Dr. C. Anand Babu, Shri D. Sujish, Shri S. Vikraman, Shri S. Suresh, Shri R.Nagaraj, Shri Joby Joseph, Shri V. Nandakumar, Shri R. Kannan, Shri R. R. Sridharan, Shri M. R. Marikumar, Shri E. Radha, Shri S. Anbarasan, Shri D. Alagar from **FRTG**, Dr. B. K. Sharma from **ROMG**, Ms. T. Sridevi and Shri M. Vincent from **EIRSG**.

The award was also shared by colleagues from **BARC, HWB** and **NFC**

Fabrication of Sphere-PAC and Preference Test Fuel Pins and Irradiation in FBTR

Dr. K. Nagarajan, **CG, Group Leader**

Shri G. Ravisankar, Dr. K. Ananthasivan, Dr. R. Venkata Krishan, Shri Dasarath Maji, Dr. R. Babu, Shri Abhiram Senapati, Shri Gude Jogeswararao, Shri B. Kothandaraman, Shri N. Vinod Kumar, Shri Y. Yuvaraj, Shri D. Kothandan, Shri T.V. Prabhu, Shri R.Padmanabhan, Shri A. Anantha Kumar, Shri R. Lavakumar, Shri Abhishek KumarYadav, Shri G. Nantha Kumar, Shri M. Masanam, Shri G. Parthiban, Shri R. Rajaram, Shri K.A. Samuel Kutty, Shri N. Eswaran, Shri P. Arunagiri, Shri V. Dilli babu, Shri A. Praveen, Shri G. Lakshmanan, Shri R. Kumaran, Shri T. Ramamurthy, Shri E. Nagappan, Shri E. Mohanraj, Shri B. Vijayavelu, Shri Kathiravan, Shri B. Radhakrishnan, Shri M. Saravanan, Shri R. Parthasarathy, Ms. Sai Subbulakshmi, Shri G. Rajendra Prasad, Shri Y. Ravi, Ms. B. Suhasini, Shri J. Prabhakar Rao, Shri Ajay Kumar Keshari, Shri G. Gunasekaran, Shri K. Vijayakumar, Shri D. Vijayakumar, Shri Mohammad Sithick, Shri T. Ravi, Ms. R. Akila, Ms. N. Chitra, Shri Brahmaji Rao and Shri N. Ravi from **CG**, Shri P. Narayana Rao, Shri Krishna Chaitanya, Shri C. Muniyandi, Shri D. Henson Raj and Shri G. Vijayaraghavan from **EIRSG**, Shri S.A. Natarajan, Shri P. Karuppasamy, Shri P. Balakrishnan, Shri E. Venkatesh, Shri S. Manimaran, Shri P. Loganathan, Shri K. Narayanan, Shri C. Muthusamy, Shri M. Damodaran from **ESG**, Shri S. ClementRavi Chandar, Shri M. Asok Kumar and Shri T. Rajkumar from **RDG**, Dr. S. Murugan, Shri K.A. Gopal, Shri M. Muthu Ganesh, Shri Rajesh Saxena, Shri R. Ramesh, Shri K. Purushothaman, Dr. Divakar Ramachandran, Shri C.N. Venkiteswaran, Shri A. Vijayaraghavan, Shri V. Anandaraj, Ms. M. Padalakshmi, Shri S.Vinod Kumar and Ms. S. Gomathi from **MMG**, Shri S.Varatharajan, Shri S. Kanagaraju, Shri K. Kamaludeen, Shri G.N. Chandrasekaran, Shri V. Gunasekaran and Ms. Gowri Lakshmanan from **ROMG**, Shri N. P. Seshadreesan from **FRFCF**

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Shri Jose Varghese, Shri A. Venkatesan, Shri N. Subramanian, Shri E. Balasundaram, Shri M. A. Sanjith, Ms. T. Suguna, Shri P. Shanmuganathi, Shri R. Suresh Kumar, Shri C. Ragavendran, Shri S. D. Sajish, Shri S. K. Rajesh, Shri M. Babu Rao, Shri R. Manu, Shri S. Ramesh, Shri M. Aravind, Shri G. Venkataiah, Shri V. Devaraj, Shri P. Raja, Shri V. Balasubramaniyan, Shri Sriramachandra Aithal, Shri Abhishek Mitra, Shri S. Saravanan, Ms. M. M. Shanthi, Shri P. Selvaraj, Dr. R. Gajapathy, Dr. K. Velusamy, Shri R. Arulbaskar, Shri K. Natesan, Shri S. Jalaldeen, Shri Bhuwan Chadra Sati, Shri Sanjay Kumar Pandey, Shri C. S. Surendran, Shri V. N. Sakthivel Rajan, Shri S. Arumugam, Shri Sanjeev Kumar, Shri P. Lennin, Shri L. Chadrasekaran, Shri S. Duraiannu from **RDG**, Shri S. Jaisankar, Shri G. Kempulraj, Shri B. S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri S. A. Natarajan, Shri S. Murugan, Shri S. Satees Kumar, Shri C. Palani, Shri T. Saravanan, Shri D. Dileep, Shri U. Gunasekaran, Shri S. Ramesh, Shri G. Janarthanan, Shri V. Kodiarasan, Shri S. P. Jaisankar, Shri A. Padmanabhan, Shri S. Yuvaraj, Shri E.

Manufacturing Experiences of Large Stroke Welded Disc Bellows for Nuclear Applications

Shri S.C.S.P Kumar Krovvidi, Shri B.K. Sreedhar, Shri N. Mahendran, Shri G. Padmakumar, Shri S.Raghupathy, Shri Sudhakar Naik ,Shri R. Gopalakrishnan

IEEE sponsored International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017) held in Department of Mechanical Engineering, MNNIT, Allahabad during February 3-5, 2017

Best Paper Award

Exploring the Font Attributes of Microsoft Word: A Steganographic Perspective

Shri R. Bala Krishnan, Shri Prasanth Kumar Thandra, Dr. M. Sai Baba

International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST-17) held at National Institute of Technology, Tiruchirappalli, during March 31 - April 1, 2017

Best Paper Award

Oxygen Potential Analysis of Molybdenum in MOX Fuel

Shri Ronit Kumar Panda, Dr. S. Clement Ravichandar, Dr. M. Sai Baba

13th DAE-BRNS Nuclear and Radiochemistry Symposium (NUCAR-2017) at KIIT University, Bhubaneswar, during February 6-10, 2017

Best Poster Award

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

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Meritorious Service Award	Shri A. Christopher, Administration Shri Sairam Ramadorai, Director's Office

Group Achievement Awards:

Development of Nitrogen Enhanced 316LN Austenitic Stainless Steel for Primary Components of Sodium Cooled Fast Reactors.

Dr. A. K.Bhaduri, Director, IGCAR, Group Leader

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Remote Replacement of Radiation Shielding Window and resolution of Challenges during Operation at CORAL Facility

Dr. A. Ravishankar, RpG & Shri V. Vijayakumar, RpG - Group Leaders

Shri K.C. Ajoy, Shri A. Dhasekaran, Dr. B. Venkataraman, Dr. M.T. Jose, Shri V. Rajagopal, Shri R. Santhanam, Shri S. Viswanathan, Shri R. Mathiyarasu, Shri S. Baskar, Dr. S. Kalaiselvan, Shri S. Chandrasekaran, Dr. U. Madhusoodanan, Shri S. Balasundar, Dr. O. Annalakshmi, Dr. M. Manohari, Shri R. Arul, Ms. R. Akila, Shri S.M.S Murthy, Shri D. Karthikeyan, Shri N. Yuvaraj and Ms. Nitu Sinha from **HSEG**; Shri B. M. Ananda Rao, Shri E. Balu, Shri A. Palanivel, Shri G. Surendar Kumar, Shri Apurba Kumar Majumder, Shri MD. Mohauddain Ansari, Shri K.K. Shimjith, Shri N. Divakar, Shri M. Elumalai, Shri K. Ajai Kumar, Shri S.S. Kumar Goru, Shri C. Kannan, Shri V. Venugopal, Shri N. Govindan, Shri G. Rajendran, Shri Prashant Kumar, Shri M. Dhayalan, Shri T. Sengalani, Shri S. Sengayani, Shri L.A. Leo Felix, Shri H. Humayoun, Shri Shekar Kumar, Shri Surajit Halder, Shri M. Muthukumar, Shri Kinkar Mandal, Shri Peeyush Gupta, Shri Varatharajan, Shri J. Thiyaga Senthilkumar, Shri S. Somasundaram, Shri Saju George, Shri S. Sivakumar, Shri Abdul Muqtadir, Shri M. Selvarasan, Shri R. Sajikumar, Ms. Radha Rani, Shri Vijayaraghavan, Shri K. Arasakumar, Shri D. Natarajan, Shri K. Ilanchezhian, Shri Ravi Islavath, Shri N. Balasubramanian, Shri Potta Ramjee, Shri P. Santhanadevan, Shri V. Kumara Vijayan, Shri M. Suresh, Shri A.K. Sasi, Shri S. Pandurangan, Shri P. Ramesh Kumar, Shri K.K. Vinod Kumar, Ms. C.M. Bagyalakshmi, Shri L.

Venkatesan, Shri B. Ramalingam, Shri A. Gunasekaran, Shri P. Shanmugam from **ESG**, Shri B. K. Sreedhar, Shri G. Padmakumar, Shri S. C. S. P. Kumar Krovvidi, Shri Nilayendra Chakraborty, Shri Y. V. Nagaraja Bhat, Shri R. Nirmal Kumar, Shri S. Ignatius Sundar Raj, Shri P. Madan Kumar, Shri J. Saravanan, Shri R. Krishnamurthy, Shri M. Sambamurthy, Shri A. Kolanjiappan, Shri R. Ramalingam, Shri A. Sudarsana Rao, Shri P. Varadan, Shri Rakesh Kumar Mourya, Shri P. A. Kalaimannan, Shri N. Thulasi, Shri Anant Kumar, Shri T. V. Maran, Shri K. Mohanraj, Shri A. T. Loganathan, Shri D. Kuppusamy, Shri A. Anthuvan Clement, Shri S. Sureshkumar, Shri J. Jaikanth, Shri R. Shanmugam, Shri M. T. Janakiraman, Shri C. Adikesaven, Shri A. Ashok Kumar, Shri L. Muthu, Shri S. Bavanirajan, Shri B. K. Nashine, Shri P. R. Ashok Kumar, Shri L. Egambaram, Shri N. Sreenivas, Shri K. Arungam, Shri A. Alexander Xavir, Shri P. Chenthil Velmurugan, Ms. M. Chandra, Shri G. Vijaya Kumar, Shri S. Chadramouli, Shri R. Rajendra Prasad, Shri D. Muralidhar, Shri S. Ravishankar, Shri J. Prabhakaran, Shri R. Parandaman, Shri N. Mohan, Shri R. Iyappan, Shri K. Ramesh, Shri Sheik Rafee, Shri M. Karthikeyan, Shri V. Kumaraswamy, Shri Gautam Anand, Shri D. K Saxena, Shri B. Veeraraghavan, Shri C. Rajappan, Shri S. Kannan, Shri R. Punniyamurthy, Shri S. Krishnakumar, Shri R. Arjunan, Shri K. Ganesh, Shri Vijay Sharma, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri Parmanand Kumar, Shri N. Venkatesan, Shri Pabbineedi Lakshmayya, Shri P. Pothi, Shri A. Thirunavukarau, Shri V. Ramakrishnan, Shri K. Jayagopi, Shri D. Laxman, Shri P. Sonai, Shri S. Shanmugam, Shri R. Rajendran, Shri H. Rafiq Basha, Shri J. Prem, Shri M. Kathiravan, Shri V. Gunasekaran, Shri N. S. Shivakumar, Shri Gautam Kumar Pandey, Shri P. Lijukrishnan, Shri Vijay Singh Sikarwar, Shri S. Sathishkumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri Asif Ahmad Bhat, Shri V. Nandakumar, Shri R. Nagaraj, Shri K. Thanigairaj, Shri L. S. Sivakumar, Shri S. P. Pathak, Shri P. Narayana Rao, Shri Sukanta Kumar Roy, Shri B. Babu, Ms. M. Mohana, Shri M. V. Subramanya Deepak, Shri Chandra Sekhar Singh, Shri T. Chandran, Shri J. Vincent, Dr. J. L. Sylvia, Shri P. Vijaya Mohana Rao, Shri V. S. Krishnaraj, Shri M. Anbuchelian, Ms. S. Divya, Ms. S. Nagajothi, Shri G. Anandan, Shri P. Bakthavatchalam, Shri C. Ambujakshanan Nair, Shri A. Kulanthai, Shri R. Gunasekaran, Shri V. Krishnamoorthy, Shri Pitambar Padhan, Ms. Indira G. Ramadoss from **FRTG**, Dr. Arun Kumar Bhaduri, Dr. Shaju K. Albert, Dr. Chittaranjan Das, Shri Hemant Kumar, Shri P. Chandrasekaran, Dr. S. D. Venugopal from **MMG**, Shri P. Rajasekar, Shri M. P. Prabhakar, Shri G. Vijayaraghavan, Ms. Alka Kumari from **EIRSG**, Shri N. Murugesan from **CG**, Shri N. Mahendran from **FRFCF**

The award was also shared by colleagues from **BARC**, **BRIT** and **VECC**

Awards and Honours

Kalpakkam Community Radio Station (KCRS) was awarded second place under the category of best community radio program conducted by Anna University along with UNICEF

Dr. A. Ravishankar Project Director, **FRFCF** has been conferred with the INS Outstanding Service Award on Nuclear Fuel Cycle Technologies, including radiation safety and Environmental Protection

Dr. B. P. C. Rao has been conferred with International Recognition Award, by the Indian Society for NDT

Dr. Anish Kumar has been conferred with ISNT National NDT Award for Research and Development

Dr. S. Thirunavukkarasu has been conferred with ISNT National NDT Award for NDT Systems Innovation and Development

Best Paper/Poster Award

Deployment of Wireless Sensor Network for Radiation Monitoring

Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty

International Conference on Computing and Network Communications (CoCoNet \diamond 15) at IIITM-K, Trivandrum

Best Paper Award

Theoretical Analysis on Designing Full Functional Device of WSN using Wireless Power Transfer

Ms. Vinita Daiya, Shri T. S. Shri Krishnan, Ms. G. Sandhya Rani, Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty, Dr. B. P. C. Rao

12th IEEE India International Conference (INDICON 2015) at Jamia Millia Islamia, New Delhi

Best Paper Award

On the occasion of HBNI completing 10 years of excellence, a function was organised at BARC Mumbai, where the awards have been given to faculty and students. Following are the details of the awards from the Centre:

Distinguished Faculty Award

Dr. B.V.R. Tata

Dr. John Phillip

Dr. K.Velusamy

Dr. U. Kamachi Mudali

Outstanding Doctoral Student Award

Physical Sciences

Dr. Prasana K. Sahoo for the thesis titled **Quasi One Dimensional GaN Nanostructures: Growth Kinetics, Physical Properties, and Applications**

Chemical Sciences

Dr. Shima P. Damodaran for the thesis titled **Synthesis, Characterization, Thermal and Rheological Studies in Nanofluids**

Engineering Sciences

Dr. S. Ravi for the thesis titled **Design and Development of In-Sodium Creep Testing Facility and Influence of Dynamic Sodium on Creep Properties of Structural Materials for Fast Reactors**

Outstanding M.Tech. Student Award

Shri Aritra Sarkar for the thesis titled **Deformation Behaviour under Ratcheting of a Type 316LN Stainless Steel**

Shri V. Arjun for the thesis titled **Finite Element Model Based Optimization of Pulsed Eddy Current Probe for Sub-Surface NDE**

Manufacturing Experiences of Large Stroke Welded Disc Bellows for Nuclear Applications

Shri S.C.S.P Kumar Krovvidi, Shri B.K. Sreedhar, Shri N. Mahendran, Shri G. Padmakumar, Shri S.Raghupathy, Shri Sudhakar Naik ,Shri R. Gopalakrishnan

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	Shri Piyush Kumar Aggarwal, FRTG
	Shri Ram Kumar Maity, RDG
	Shri R. Dheenadhayalan, EIG
Meritorious Technical Support Award	Shri M. Rajendran, RFG
	Shri A. Amalraj, MC&MFCG
	Shri K. Kamaludeen, RFG
Meritorious Service Award	Shri A. Christopher, Administration
	Shri Sairam Ramadorai, Director's Office

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Development of Nitrogen Enhanced 316LN Austenitic Stainless Steel for Primary Components of Sodium Cooled Fast Reactors.

Dr. A. K.Bhaduri, Director, IGCAR, Group Leader

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Dr. P. Chellapandi was awarded the "National Design Award - 2013" by National Design and Research Forum, Institution of Engineers (India) for his outstanding contributions on December 20, 2013 during the 28th Indian Engineering Congress at Chennai.

Dr. S. Venugopal has been awarded the D.Sc. Degree by the University of Madras for his thesis entitled "Contribution to the Optimization of Parameters for Mechanical Working and Controlling the Development of Micro Structure during Hot Working of Metallic Materials".

Dr. C.S. Sundar has been elected as APAM Academician by Asia Pacific Academy of Materials.

Dr. D. Sornadurai has received the "Recognition Award - 2013" from International Centre for Diffraction Data (ICDD), USA in recognition of his outstanding contributions towards solving crystal structures of many new materials and publishing them in standard powder diffraction files of PCPDF-4+2013 database.

Best Paper/Poster Award

Effect of Water Gap among Adjustable Reflector Blocks on k-eff of KAMINI Reactor

Smt. E. Radha, Shri V. Sathiamoorthy, Dr. R.S. Keshavamurthy and Dr. C.P. Reddy from ROMG

DAE-BRNS National Symposium on Advances in Reactor Physics (ARP 2013): Simulation Techniques and Analysis Methodologies, October 23-25, 2013, BARC Training School Hostel, Anushakthi Nagar, Mumbai

Best Poster Award

Design and Development of FPGA based VMEbus Interface Controller (VIC) for Computer based I&C systems of Fast Reactors

Shri Raghavan Komanduri and Shri D. Thirugnanamurthy from EIRSG

The Annual IEEE India Conference on Impact of Engineering on Global Sustainability (INDICON-2013), December 13-15, 2013, Victor Menezes Convention Centre (VMCC), IIT Bombay, Mumbai

Best Poster Presentation Award

Evolution and Defect Analysis of Graphene Nanosheets grown by ECR-CVD

Ms. Subrata Ghosh, Dr. K. Ganesan, Shri Shyamal R. Polaki, Dr. T.R. Ravindran, Shri Nanda Gopala Krishna, Shri M. Kamruddin and Dr. A. K. Tyagi from MSG, International Conference in Asia - 2013 (IUMRS ICA 2013) Organised by International Union of Materials Research Society and Materials Research Society of India December 16-20, 2013, Indian Institute of Science, Bengaluru

Best Poster Presentation Award

Wireless Sensor Network for Temperature and Humidity Monitoring in a Nuclear Facility

Ms. D. Baghyalakshmi, Shri T. Chandran, Ms. Jemimah Ebenezer and Shri S.A.V. Satya Murty from EIRSG International Conference on Advanced Computing (ICoAC-13) December 18-20, 2013, Anna University, Chennai

Best Paper Award (the Paper has been accepted for publication in the IEEE Xplore Digital Library and available in IEEE Explore)

Intelligent Web Mining Techniques

Ms. Molly Mehra, Smt. S. Rajeswari, Shri K.K. Kuriakose and Shri S.A.V. Satya Murty Conference on Recent Advances in Information Technology (READIT), December 17-19, 2013, IGCAR

Best Poster Presentation Award

Development of Knowledge Management Portal for Research Scholars

Ms. J. Jasmine Smila, Smt. K. Saipriya, Dr. Vidya Sundararajan and Dr. M. Sai Baba Conference on Recent Advances in Information Technology (READIT), December 17-19, 2013, IGCAR

Best Poster Presentation Award

Ontology Based Wiki System for Fast Reactor Domain

Shri L. Nandha Gopan, Shri E. Soundararajan and Dr. M. Sai Baba Conference on Recent Advances in Information Technology (READIT), December 17-19, 2013, IGCAR

Best Oral Presentation Award

DAE Awards

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Meritorious Service Award	Smt. Saroja Gopal, presently at DAE, Mumbai Smt. S. Vijji, Director's Office

Group Achievement Awards:

Design, Development and Manufacture of Titanium Dissolver for Fast Reactor Fuel Reprocessing

Shri B.M. Ananda Rao, RpG, Group Leader

Shri M.V. Kuppasamy, Shri Navtash Bajpai, Shri Saju T Abraham, Shri D Kuppasamy, Shri C. B. Rajeev, Shri G. Kaliamoorthy and Dr. B. Venkatraman from EIRSG, **Shri T. Karthikeyan, Dr. R. Mythili, Dr. Arup Dasgupta, Dr. Saroja Saibaba, Dr. M. Vijayalakshmi, Shri Harish Chandra Dey, Dr. Arun Kumar Bhaduri, Shri T. Nanda Kumar and Dr. U. Kamachi Mudali** from MMG, **Shri Sanatana Maharana, Shri S. Solomon Nesakumar, Shri S.K. Gupta, Shri T. Dinesh, Shri V. Muralikrishnan, Shri H. Humayoun and Shri A. Ravisankar** from RpG

Design, Manufacture and Deployment of Passive Neutron based Alpha Waste Drum Assay System

Shri R. Amudhu Ramesh Kumar, RpG, Group Leader

Shri C.R. Venkatasubaramani from CG, **Smt. R. Akila** from EIRSG, **Shri M. Geo Mathews, Shri E. Balu, Shri A. Palanivel and Shri P. Sivakumar, Shri Padi Srinivas Reddy, Shri K.K. Shimjith, Shri R. Anbarasan, Shri V. Anandha Narayanan, Shri Akhilesh K Nair, Shri K. Stanley, Shri Saptarsi Chaterjee, Ms.S.Usha, Shri Ch.U. Bhanu Prasad, Smt. S. Poongodi, Shri N.T. Bineesh, Smt. P. Dhanalakshmi, Ms. S. Eswari and Smt. V. Ramya** from RpG

Integrated Top Shield Test Facility and Validation of Thermal Design of PFBR Top Shield

Shri Sriramachandra Aithal, RDG, Group Leader

instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2014 are:

Scientific and Technical Excellence Award	Shri A. Palanivel, RDG Shri A. John Arul, RDG
Young Applied Scientist/Technologist Award	Shri Barid Baran Lahiri, MMG Shri Satyabrata Mishra, RpG
Young Scientist Award	Dr. Arun Kumar Rai, MMG
Young Engineer Award	Shri A. Viswanath, MMG Shri Sanjeev Kumar, RDG Shri T. Raj Kumar, RDG Shri Juby Abraham, RDG
Meritorious Technical Support Award	Shri G. Ramadoss, ESG Shri P. Bakthavachalam, FRTG Shri K. Arumugam, ROMG Shri R. Rajaram, CG
Meritorious Service Award	Ms. Shanthi Rajendran, FRTG Ms. Sasikala Manohar, MSG

Group Achievement Awards:

Development of Indian Reduced Activation Ferritic Martensitic (INFRAFM) Steel for India's Test Blanket Module (TBM) in ITER

Dr. T. Jayakumar, Group Leader

Dr. Arun Kumar Bhaduri, Dr. K. Laha, Dr. Saroja Saibaba, Shri Raju Subramanian, Dr. R. Sandhya, Dr. V. S. Srinivasan, Dr. Aniruddha Moitra, Dr. A. Nagesha, Dr. Vani Shankar, Dr. R. Mythili, Shri Sunil Goyal, Shri M. Nandagopal, Shri G. V. Prasad Reddy, Shri V. David Vijayanand, Ms. J. Vanaja, Shri Arun Kumar Rai, Shri Aritra Sarkar, Shri K. Mariappan, Shri N. S. Thampi, Shri R. Balakrishnan, Ms. S. Panneer Selvi, Shri M. Govindasamy from **MMG**

Design and Development of Wireless Sensor Networks for Nuclear Facilities

Dr. S .A. V. Satya Murty, Group Leader

Ms. Jemimah Ebenezer, Shri Sukant Kothari, Ms. D. Baghyalakshmi, Ms. G. Sandhya Rani, Ms. Vinita Daiya, Shri T. S. Shri Krishnan, Ms. Deepika Vinod, Ms. R. Vijayalaxmi, Dr. R. Baskaran, Shri V. Gopalakrishnan, Dr. M. T. Jose, Shri R. Nandakumar, Shri N. Radhakrishnan, Shri V. Balu, Shri Ibrahim Khan, Shri P. Solai Raj, Shri A. Boopalan, Shri N. Sathish Kumar, Shri K. Rajesh from **EIRSG**, Shri S.Vannia Perumal, Shri P. Venkatesh, Dr. B. Prabhakara Reddy from **CG**, Shri T. Chandran, Shri M. Shanmugavel, Shri B. Babu from **FRTG**, Shri Kalyan Rao Kuchipudi, Shri D. Loganathan, Shri R. Shunmugavel, Shri P. Immanuel Stephen from **ROMG**

Experimental Verification and Qualification of Equipment towards Demonstrating Safety of Sodium Systems of PFBR

Dr. D. Ponraju, Group Leader

Shri P. Selvaraj, Shri B. K. Nashine, Shri E. Hemanth Rao, Shri S. S. Ramesh, Shri Sanjay Kumar Das, Ms. G. Punitha, Shri Arjun Pradeep, Ms. G. Lydia, Ms. B. Malarvizhi, Shri M. Kumaresan, Shri S. S. Murthy, Shri Anil Kumar Sharma, Shri S. Athmalingam, Shri V. Balasubramaniyan, Shri P. Mangarjuna Rao, Shri S. Srinivasan, Shri K. E. Jebakumar, Shri Ch. S. S. S. Avinash, Shri Avinash Kumar Acharya, Ms. V. Snehalatha, Shri G. Venkat Reddy, Shri S. Muthu Saravanan, Shri J. Anandan, Shri T. Lokesh, Shri V. Sebasthi John, Shri S. Satheesh Kumar, Ms. Sujithra, Shri R. Suresh Kumar, Shri M. Aravind, Shri R. Manu from **RDG**, Shri V. Venkatachalapathy, Shri N. Suresh, Shri M. K. Satheesh Kumar, Shri D. Balamurugan, Ms. R. Thilakavathi, Shri D. Hari, Shri G. Ramanathan, Shri P. Senthil Arumugam from **ESG**, Shri T.V. Maran, Shri K. Mohan Raj, Shri S. Chandramouli, Shri G. Kempul Raj, Shri R. Iyappan, Shri R. Parandaman, Shri S. Kannan, Shri P. Lakshmayya, Shri P. Pothi from **FRTG**

Design, Development and Experimental Testing of Sodium Submersible Annular Linear Induction Pump (SALIP) for FBR

Shri B. K. Nashine, Group Leader

Shri B. Babu, Shri K. V. Sreedharan, Shri B. K. Sreedhar, Shri S. Chandramouli, Shri G. Vijayakumar, Ms. J. I. Sylvia, Shri V. Ramakrishnan, Shri S. K. Dash, Shri Prashant Sharma, Shri Vijay Sharma, Shri R. Rajendra Prasad, Shri Gautam Anand, Shri S. Kannan, Shri R. Iyappan, Shri P. Lakshmayya, Shri P. Pothi, Shri P. Vijaya Mohan Rao, Shri G. Anandan, Shri P. Bakthavatchalam, Shri V. Krishnamoorthy, Shri Pitambar Padhan, Shri A. Ashok Kumar, Shri S. Krishnakumar, Shri Parmanand Kumar, Shri N. Venkatesan, Shri A. Thirunavukkarasu, Shri P. C. V. Murugan, Shri N. Mohan, Shri M. Karthikeyan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Mohanasundaram, Shri L. Muthu, Shri N. Sreenivas, Shri L. Eagambaram, Shri D. Muralidhar, Shri S. Ravishankar, Shri S. Alexander Xavier, Shri C. Rajappan, Shri K. Ganesh, Shri Ashish Tiwari, Shri P. R. Ashokkumar, Shri K. Arumugam, Shri Shiv Prakash Ruhela, Shri R. K. Mourya, Shri R. Ramalingam, Shri Vijay Tirkey, Shri P. Sonai, Shri M. Kathiravan, Shri K. A. Bijoy, Shri A. Selvakumaran, Shri D. Laxman, Shri M. Anbuchelian, Shri N. Chakraborty, Ms. Indra G. Ramadoss from **FRTG**

Design, Numerical and Experimental Simulations, Development and Qualification of Principal Fuel Handling Machines of PFBR

Shri S. Raghupathy, **RDG**, **IGCAR** & **Shri R. J. Patel**, **RD&DG**, **BARC** - Group Leaders

Shri Jose Varghese, Shri A. Venkatesan, Shri N. Subramanian, Shri E. Balasundaram, Shri M. A. Sanjith, Ms. T. Suguna, Shri P. Shanmuganathi, Shri R. Suresh Kumar, Shri C. Ragavendran, Shri S. D. Sajish, Shri S. K. Rajesh, Shri M. Babu Rao, Shri R. Manu, Shri S. Ramesh, Shri M. Aravind, Shri G. Venkataiah, Shri V. Devaraj, Shri P. Raja, Shri V. Balasubramaniyan, Shri Sriramachandra Aithal, Shri Abhishek Mitra, Shri S. Saravanan, Ms. M. M. Shanthi, Shri P. Selvaraj, Dr. R. Gajapathy, Dr. K. Velusamy, Shri R. Arulbaskar, Shri K. Natesan, Shri S. Jalaldeen, Shri Bhuwan Chadra Sati, Shri Sanjay Kumar Pandey, Shri C. S. Surendran, Shri V. N. Sakthivel Rajan, Shri S. Arumugam, Shri Sanjeev Kumar, Shri P. Lennin, Shri L. Chadrasekaran, Shri S. Duraiannu from **RDG**, Shri S. Jaisankar, Shri G. Kempulraj, Shri B. S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri S. A. Natarajan, Shri S. Murugan, Shri S. Satees Kumar, Shri C. Palani, Shri T. Saravanan, Shri D. Dileep, Shri U. Gunasekaran, Shri S. Ramesh, Shri G. Janarthanan, Shri V. Kodiarasan, Shri S. P. Jaisankar, Shri A. Padmanabhan, Shri S. Yuvaraj, Shri E.

Venkatesan, Shri B. Ramalingam, Shri A. Gunasekaran, Shri P. Shanmugam from **ESG**, Shri B. K. Sreedhar, Shri G. Padmakumar, Shri S. C. S. P. Kumar Krovvidi, Shri Nilayendra Chakraborty, Shri Y. V. Nagaraja Bhat, Shri R. Nirmal Kumar, Shri S. Ignatius Sundar Raj, Shri P. Madan Kumar, Shri J. Saravanan, Shri R. Krishnamurthy, Shri M. Sambamurthy, Shri A. Kolanjiappan, Shri R. Ramalingam, Shri A. Sudarsana Rao, Shri P. Varadan, Shri Rakesh Kumar Mourya, Shri P. A. Kalaimannan, Shri N. Thulasi, Shri Anant Kumar, Shri T. V. Maran, Shri K. Mohanraj, Shri A. T. Loganathan, Shri D. Kuppusamy, Shri A. Anthuvan Clement, Shri S. Sureshkumar, Shri J. Jaikanth, Shri R. Shanmugam, Shri M. T. Janakiraman, Shri C. Adikesaven, Shri A. Ashok Kumar, Shri L. Muthu, Shri S. Bavanirajan, Shri B. K. Nashine, Shri P. R. Ashok Kumar, Shri L. Egambaram, Shri N. Sreenivas, Shri K. Arungam, Shri A. Alexander Xavir, Shri P. Chenthil Velmurugan, Ms. M. Chandra, Shri G. Vijaya Kumar, Shri S. Chadramouli, Shri R. Rajendra Prasad, Shri D. Muralidhar, Shri S. Ravishankar, Shri J. Prabhakaran, Shri R. Parandaman, Shri N. Mohan, Shri R. Iyappan, Shri K. Ramesh, Shri Sheik Rafee, Shri M. Karthikeyan, Shri V. Kumaraswamy, Shri Gautam Anand, Shri D. K Saxena, Shri B. Veeraraghavan, Shri C. Rajappan, Shri S. Kannan, Shri R. Punniyamurthy, Shri S. Krishnakumar, Shri R. Arjunan, Shri K. Ganesh, Shri Vijay Sharma, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri Parmanand Kumar, Shri N. Venkatesan, Shri Pabbineedi Lakshmayya, Shri P. Pothi, Shri A. Thirunavukarau, Shri V. Ramakrishnan, Shri K. Jayagopi, Shri D. Laxman, Shri P. Sonai, Shri S. Shanmugam, Shri R. Rajendran, Shri H. Rafiq Basha, Shri J. Prem, Shri M. Kathiravan, Shri V. Gunasekaran, Shri N. S. Shivakumar, Shri Gautam Kumar Pandey, Shri P. Lijukrishnan, Shri Vijay Singh Sikarwar, Shri S. Sathishkumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri Asif Ahmad Bhat, Shri V. Nandakumar, Shri R. Nagaraj, Shri K. Thanigairaj, Shri L. S. Sivakumar, Shri S. P. Pathak, Shri P. Narayana Rao, Shri Sukanta Kumar Roy, Shri B. Babu, Ms. M. Mohana, Shri M. V. Subramanya Deepak, Shri Chandra Sekhar Singh, Shri T. Chandran, Shri J. Vincent, Dr. J. L. Sylvia, Shri P. Vijaya Mohana Rao, Shri V. S. Krishnaraj, Shri M. Anbuchelian, Ms. S. Divya, Ms. S. Nagajothi, Shri G. Anandan, Shri P. Bakthavatchalam, Shri C. Ambujakshanan Nair, Shri A. Kulanthai, Shri R. Gunasekaran, Shri V. Krishnamoorthy, Shri Pitambar Padhan, Ms. Indira G. Ramadoss from **FRTG**, Dr. Arun Kumar Bhaduri, Dr. Shaju K. Albert, Dr. Chittaranjan Das, Shri Hemant Kumar, Shri P. Chandrasekaran, Dr. S. D. Venugopal from **MMG**, Shri P. Rajasekar, Shri M. P. Prabhakar, Shri G. Vijayaraghavan, Ms. Alka Kumari from **EIRSG**, Shri N. Murugesan from **CG**, Shri N. Mahendran from **FRFCF**

The award was also shared by colleagues from **BARC**, **BRIT** and **VECC**

Awards and Honours

Kalpakkam Community Radio Station (KCRS) was awarded second place under the category of best community radio program conducted by Anna University along with UNICEF

Dr. A. Ravishankar Project Director, **FRFCF** has been conferred with the INS Outstanding Service Award on Nuclear Fuel Cycle Technologies, including radiation safety and Environmental Protection

Dr. B. P. C. Rao has been conferred with International Recognition Award, by the Indian Society for NDT

Dr. Anish Kumar has been conferred with ISNT National NDT Award for Research and Development

Dr. S. Thirunavukkarasu has been conferred with ISNT National NDT Award for NDT Systems Innovation and Development

Best Paper/Poster Award

Deployment of Wireless Sensor Network for Radiation Monitoring

Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty

International Conference on Computing and Network Communications (CoCoNet \diamond 15) at IIITM-K, Trivandrum

Best Paper Award

Theoretical Analysis on Designing Full Functional Device of WSN using Wireless Power Transfer

Ms. Vinita Daiya, Shri T. S. Shri Krishnan, Ms. G. Sandhya Rani, Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty, Dr. B. P. C. Rao

12th IEEE India International Conference (INDICON 2015) at Jamia Millia Islamia, New Delhi

Best Paper Award

On the occasion of HBNI completing 10 years of excellence, a function was organised at BARC Mumbai, where the awards have been given to faculty and students. Following are the details of the awards from the Centre:

Distinguished Faculty Award

Dr. B.V.R. Tata

Dr. John Phillip

Dr. K.Velusamy

Dr. U. Kamachi Mudali

Outstanding Doctoral Student Award

Physical Sciences

Dr. Prasana K. Sahoo for the thesis titled **Quasi One Dimensional GaN Nanostructures: Growth Kinetics, Physical Properties, and Applications**

Chemical Sciences

Dr. Shima P. Damodaran for the thesis titled **Synthesis, Characterization, Thermal and Rheological Studies in Nanofluids**

Engineering Sciences

Dr. S. Ravi for the thesis titled **Design and Development of In-Sodium Creep Testing Facility and Influence of Dynamic Sodium on Creep Properties of Structural Materials for Fast Reactors**

Outstanding M.Tech. Student Award

Shri Aritra Sarkar for the thesis titled **Deformation Behaviour under Ratcheting of a Type 316LN Stainless Steel**

Shri V. Arjun for the thesis titled **Finite Element Model Based Optimization of Pulsed Eddy Current Probe for Sub-Surface NDE**

Manufacturing Experiences of Large Stroke Welded Disc Bellows for Nuclear Applications

Shri S.C.S.P Kumar Krovvidi, Shri B.K. Sreedhar, Shri N. Mahendran, Shri G. Padmakumar, Shri S.Raghupathy, Shri Sudhakar Naik ,Shri R. Gopalakrishnan

IEEE sponsored International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017) held in Department of Mechanical Engineering, MNNIT, Allahabad during February 3-5, 2017

Best Paper Award

Exploring the Font Attributes of Microsoft Word: A Steganographic Perspective

Shri R. Bala Krishnan, Shri Prasanth Kumar Thandra, Dr. M. Sai Baba

International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST-17) held at National Institute of Technology, Tiruchirappalli, during March 31 - April 1, 2017

Best Paper Award

Oxygen Potential Analysis of Molybdenum in MOX Fuel

Shri Ronit Kumar Panda, Dr. S. Clement Ravichandar, Dr. M. Sai Baba

13th DAE-BRNS Nuclear and Radiochemistry Symposium (NUCAR-2017) at KIIT University, Bhubaneswar, during February 6-10, 2017

Best Poster Award

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2015 are:

Homi Bhabha Science and Technology Award	Dr. John Philip, MMG
Scientific and Technical Excellence Award	Dr. Divakar Ramachandran, MMG Dr. Anish Kumar, MMG
Young Applied Scientist/Technologist Award	Shri Ranga Ramakrishna, FRTG Shri T. K. Haneef, MMG
Young Engineer Award	Shri T. Sakthivel, MMG Shri Piyush Kumar Aggarwal, FRTG Shri Ram Kumar Maity, RDG Shri R. Dheenadhayalan, EIG
Meritorious Technical Support Award	Shri M. Rajendran, RFG Shri A. Amalraj, MC&MFCG Shri K. Kamaludeen, RFG
Meritorious Service Award	Shri A. Christopher, Administration Shri Sairam Ramadorai, Director's Office

Group Achievement Awards:

Development of Nitrogen Enhanced 316LN Austenitic Stainless Steel for Primary Components of Sodium Cooled Fast Reactors.

Dr. A. K.Bhaduri, Director, IGCAR, Group Leader

Dr. U. Kamchi Mudali, Dr. K. Bhanu Sankara Rao, Dr. M. D. Mathew, Dr. K. Laha, Dr. Shaju K. Albert, Dr. B. K. Choudhary, Dr. C. Mallika, Dr. N. Parvathavarthini, Dr. R. Sandhya, Dr. P. Parameswaran, Dr. V. S. Srinivasan, Dr. M. G. Pujar, Dr. A. Nagesha, **Dr. S. Ningshen**, Shri G. Srinivasan, Dr. S. Ravi, Dr. Vani Shankar, Dr. G. V. Prasad Reddy, Shri J. Ganesh Kumar, Shri M. Nandagopal, Dr. Sunil Goyal, Shri J. Christopher, Ms. P. Poonguzhuli, Dr. Anita Topoo, Shri V. David Vijayanand, Shri T. Sakthivel, Shri R. Kannan, Shri Aritra Sarkar, Shri Durga Prasad Rao Palaparti, Ms. M. Divya, Shri K. Thyagarajan, Shri N. Sivaibharasi, Shri V. Ganesan, Shri Srinivas Mannepalli, Shri K. Mariappan, Ms. S. Panneerselvi, Shri A. Vinod Kumar, Shri N. S. Thampi, Shri K. Vaithiyathan, Shri S. Sakthy, Shri M. Arul, Shri M. Gandhi, Shri M. Srinivasarao, Shri M. Munivel, Ms. R. Uma Maheswari, Ms. M. Jayalakshmi, Shri M. Govindaswamy, Ms. Indira Logu, Ms. M. Esakkiammal and Ms. N. Santhi from **MMG**

Remote Replacement of Radiation Shielding Window and resolution of Challenges during Operation at CORAL Facility

Dr. A. Ravishankar, **RpG** & Shri V. Vijayakumar, **RpG** - Group Leaders

Shri K.C. Ajoy, Shri A. Dhasekaran, Dr. B. Venkataraman, Dr. M.T. Jose, Shri V. Rajagopal, Shri R. Santhanam, Shri S. Viswanathan, Shri R. Mathiyarasu, Shri S. Baskar, Dr. S. Kalaiselvan, Shri S. Chandrasekaran, Dr. U. Madhusoodanan, Shri S. Balasundar, Dr. O. Annalakshmi, Dr. M. Manohari, Shri R. Arul, Ms. R. Akila, Shri S.M.S Murthy, Shri D. Karthikeyan, Shri N. Yuvaraj and Ms. Nitu Sinha from **HSEG**; Shri B. M. Ananda Rao, Shri E. Balu, Shri A. Palanivel, Shri G. Surendar Kumar, Shri Apurba Kumar Majumder, Shri MD. Mohauddain Ansari, Shri K.K. Shimjith, Shri N. Divakar, Shri M. Elumalai, Shri K. Ajai Kumar, Shri S.S. Kumar Goru, Shri C. Kannan, Shri V. Venugopal, Shri N. Govindan, Shri G. Rajendran, Shri Prashant Kumar, Shri M. Dhayalan, Shri T. Sengalani, Shri S. Sengayani, Shri L.A. Leo Felix, Shri H. Humayoun, Shri Shekar Kumar, Shri Surajit Halder, Shri M. Muthukumar, Shri Kinkar Mandal, Shri Peeyush Gupta, Shri Varatharajan, Shri J. Thiyaga Senthilkumar, Shri S. Somasundaram, Shri Saju George, Shri S. Sivakumar, Shri Abdul Muqtadir, Shri M. Selvarasan, Shri R. Sajikumar, Ms. Radha Rani, Shri Vijayaraghavan, Shri K. Arasakumar, Shri D. Natarajan, Shri K. Ilanchezhian, Shri Ravi Islavath, Shri N. Balasubramanian, Shri Potta Ramjee, Shri P. Santhanadevan, Shri V. Kumara Vijayan, Shri M. Suresh, Shri A.K. Sasi, Shri S. Pandurangan, Shri P. Ramesh Kumar, Shri K.K. Vinod Kumar, Ms. C.M. Bagyalakshmi, Shri L.

OPA-886

By Speed Post

डॉ. के. एल. रामकुमार, अध्यक्ष
Dr. K. L. Ramakumar, Head



सत्यमेव जयते

भारत सरकार
परमाणु ऊर्जा विभाग
अणुशक्ति भवन, छत्रपति शिवाजी महाराज मार्ग,
मुंबई - 400 001.

नाभिकीय नियंत्रण एवं आयोजना स्कंध
Nuclear Controls and Planning Wing

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
ANUSHAKTI BHAVAN, C. S. M. MARG,
MUMBAI - 400 001.

No.DAE/HNCPW/A-24.1/2013/ 8199

June 23, 2015

Subject : Selection of DAE SRC Outstanding Investigator Awardee

Dear Shri Venkatesan,

This has reference to research proposal submitted by you in response to the DAE SRC Outstanding Investigators Awards Scheme published in 2014.

It gives me a great pleasure to inform you that after going through a robust selection process, DAE Science Research Council has selected your proposal for DAE-SRC Outstanding Investigators Awards Scheme and on behalf of DAE-SRC, you will be called 'DAE-SRC Outstanding Investigator awardee'. I congratulate you on your selection. To carry the process further, kindly convey your willingness to accept the project award. In case you are receiving performance related incentive scheme (Individual), you are required to exercise an option to forgo incentive of Rs.25,000/- per month under the DAE SRC OI Awards scheme or PRIS (Individual) as you may wish.

In addition, kindly email the information relating to financial requirement as per enclosed format, at the earliest. In parallel, sponsorship certificate as per the enclosed format duly sponsored by the Head of the Department / Director / Dean of the institution may also be furnished.

You are requested to adhere to the salient features mentioned in the DAE's Office Memorandum No.10/30/2012-R&D-II/5734 dated 07.05.2014 (copy enclosed). It may kindly be noted that release of research grant for subsequent years of research is subject to strict compliance of salient features of the scheme.

We expect to receive this information before **07th July 2015**.

Wishing you all the best in your research endeavours in the coming years.


With regards,

Yours sincerely,


(K.L. Ramakumar)

Shri K.A. Venkatesan,
Fuel Chemistry Division, IGCAR,
Kalpakkam - 603 102.

:Through : Director, IGCAR, Kalpakkam

With hearty Congratulations!

2/7

Copy to :

1. Director, IGCAR, Kalpakkam - 603 102.
2. Scientific Secretary, BRNS, Central Complex, BARC, Trombay

CERTIFICATE

Certificate from the Head of the Institution of the DAE-SRC Project Awardee

Project Title:

- (1) Certified that this Institution agrees to the participation of
Prof./Dr. _____ (PI)
Address _____

for the above project.

- (2) Certified that the infrastructural facilities related to the project activity available in this institution will be extended for the project.
- (3) Certified that the management takes the responsibilities for the timely submission of audited (by external Chartered Accounted or Statutory Government Auditor) statement of account (SA), utilization certificate (UC), details of staff recruited and equipment purchased for each year as well as the audited (by external Chartered Accounted or Statutory Government Auditor) consolidated SA and UC for the final year.
- (4) Particulars of Bank A/c are as follows.
- a) Account No.
 - b) SBI Branch Code with full address:
 - c) Account operated by:
- (5) The activities proposed to be pursued by the awardee are of interest to the institution. It will be ensured that the equipment purchased as a part of the project is usefully deployed and the scientific activity is continued beyond the period of the award.

Date :

Place:

Name & signature of the
Head of the institution
or his authorized nominee

Seal :

DAE Science Research Council Outstanding Investigator Award Scheme

Name of the Principal Investigators:

Financial requirement (Total, for five years):

Phasing of expenditure, year-wise and object-head wise*

Items	Expenditure FY1	Expenditure FY2	Expenditure FY3	Expenditure FY4	Expenditure FY5
Consumables					
Capital items (description to be furnished)					
Travel (domestic and international)					
Salary to JRF/Research Assistants					
Others (Stationery and contingency)					
Total	Rs.	Rs.	Rs.	Rs.	Rs.
Grant Total of Five Years (Not exceeding Rs. 1 crore)	Rs. _____ (Rupees _____ only)				

FY : Financial Year

Date :

(Signature of the applicant)

Year-wise planning and expected deliverables / milestones and roles & responsibilities of temporary manpower hired (if applicable) should be given along with the above information.

No. 10/30/2012-R&D- II/5734

May 7, 2014

OFFICE MEMORANDUM

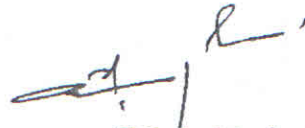
**Subject: The DAE Science Research Council (DAE-SRC)
Outstanding Investigators Awards.**

In order to impart a fresh momentum to advanced research in areas of Science and engineering of interest to DAE, the Department vide O.M. No. 10/5/2002-R&D-II/327 dated 04.07.2003, introduced the DAE Science Research Council (DAE SRC) Awards Scheme. After reviewing the response to the Scheme and its impact, and on the recommendations of the DAE-SRC, the Atomic Energy Commission has approved the following:

- a) Instituting the DAE-SRC Scheme, to be called "DAE SRC Outstanding Investigators Awards" as a permanent one;
- b) Providing a research grant of Rs.1 crore, to a researcher, for a period of five years, excluding the incentive to the awardees;
- c) Increasing the incentive to the awardees from Rs.20,000/- p.m. to Rs.25,000/- p.m.

In accordance with the approval, the Scheme operated under Department's O.M. No.10/5/2002-R&D-II/327 dated 4th July 2003 stands modified and a revised DAE Science Research Council (DAE SRC) scheme under the new title called "DAE SRC Outstanding Investigators Award" is introduced w.e.f. 17.08.2013. The salient features of the Scheme are enclosed in Annexure-I.

This issues with the approval of Secretary, DAE.


(P.R. Baviskar)
Joint Secretary (R&D)

Chairman & Members of DAE-SRC

- CC:
1. All the Heads of Units/PSUs/Aided Institutions
 2. Chairman & Scientific Secretary, BRNS.
 3. Head, NCPW, DAE
 4. Office of Chairman, AEC
 5. Office of Secretary, AEC
 6. PAO, DAE

**Department of Atomic Energy
R&D II Section**

File No: 10/30/2012/R&D-II

**The DAE Science Research Council (DAE-SRC) Outstanding
Investigators Awards**

SALIENT FEATURES OF THE SCHEME

- 1 **Title of the Scheme:** DAE Science Research Council (DAE-SRC) Outstanding Investigators Awards and comes into effect from 17.08.2013.
- 2 **Objectives of the Scheme:**
 - a) The core objective of the awards will be to augment support to individual research workers with highly innovative ideas and with proven abilities to pursue advanced research in frontier areas of science and technology, which are of interest to Department of Atomic Energy, at an accelerated pace.
 - b) Depending upon the sustained interest and the proven strength of the individuals concerned, both basic and applied research will be supported. In the case of basic research, apart from meritorious publications in leading journals, it should result in an internationally competitive edge over a period of about five years. In the case of applied research, the areas should be such that they have discernible implications to new technologies.
 - c) Wherever a new product or a novel process is identified, special funding would be made available for readily translating scientific innovation into an applicable product or process.

3 ELIGIBILITY

- a. Individual scientists/engineers of the DAE constituent units, as well as those outside DAE, working in public funded institutions are eligible to apply for these awards.
- b. Candidates who are not in regular employment but attached to public funded academic/research institution could also be considered on a case-to-case basis.
- c. The age of the applicant (as on 31st December of the year in which the applications are considered for approval by SRC) shall not be above 47 years.

4 NUMBER OF AWARDS

The number of awards will not exceed ten per year, out of which 50% will be from non-DAE Institutions.

5. DURATION OF THE AWARD

The duration of the award will be five years.

6. GRANT AMOUNT AND OTHER ENTITLEMENTS

- a) The awardees shall be entitled for a Research Grant of not exceeding Rs.1 crore for the duration of the award which shall be released on annual basis on the basis of the outcome of the periodic review of the work being carried out by the awardee envisaged under Clause 8 (e) of the Scheme; and
- b) The awardee shall also be entitled for an incentive of Rs.25000/- p.m. during the duration of the award. However, if any candidate is in receipt of incentive under the Performance Related Incentive Scheme (Individual), he/she shall not be eligible for this incentive unless he/she foregoes the incentive under the Performance Related Incentive Scheme (Individual) and opts for incentive under this Scheme.

7. SELECTION PROCEDURE:

- a) Nominations for the awards will be invited through advertisement in the newspapers, DAE website and scientific periodicals in the country.
- b) The initial screening of the proposal will be done by a Committee to be set up by the Chairman, Atomic Energy Commission. Applicants would be asked to submit a detailed work plan, if his/her proposal is selected by the Screening Committee;
- c) The detailed version of proposals will be scrutinised by a Committee of Experts to be chosen by the DAE Science Research Council. Potential awardees would be requested to present their proposed work in person to the Committee before the final selection is made (the awardees may have to modify the proposal based on interaction with the experts);
- d) Final approval of the Project will be accorded by the DAE-SRC and its implementation would be under the Board of Research in Nuclear Sciences (BRNS).

8. OTHER PROVISIONS GOVERNING THE SCHEME:

- a) Appropriate mechanism will be created to enable the awardees to participate in national and international conferences;
- b) To improve the effectiveness of the Scheme, the awardees will be assisted in working across institutions, laboratories and industries;
- c) The awardee will continue to be attached to his/her organisation, receive salary and enjoy facilities such as residential accommodation;
- d) Provision will also be available in the Scheme to facilitate work at Centres other than the parent organisation within the country. Such provisions will include financial support for collaborative research and travel, visiting fellowship, transit accommodation and other perks as

appropriate to the individual awardee for the period that he is away from his parent organisation;

- e) A Committee constituted by Secretary, DAE shall periodically review the work being carried out by the Awardee. Further the recipient of the research grant is also expected to make presentations to the specifically convened review meetings of the DAE-SRC Council. There will be at least one mid-term review during the five year duration of the research. The DAE-SRC Council may invite appropriate experts to such review meetings.
- f) The funds will be provided to the Awardee through the sponsoring institution. For making any purchases, the Research Awardee will follow the norms of the sponsoring institution. Assets created, if any, will be the property of the sponsoring institution, unless otherwise specifically decided by the DAE.
- g) All patents, rights, designs, and inventions derived from the research work carried out of the grant given under this Award, shall be governed by the rules / norms of Department of Atomic Energy.
- h) In the event of any dispute arising out of the interpretation of the clauses or the implementation of this award scheme, the decision of the Department of Atomic Energy shall be final and binding.


(P.R. Baviskar)
Joint Secretary (R&D)



GOVERNMENT OF INDIA



DEPARTMENT OF ATOMIC ENERGY

EXCELLENCE IN SCIENCE, ENGINEERING AND TECHNOLOGY AWARDS SCHEME

Scientific & Technical Excellence Award 2015

Dr. Anish Kumar

Non Destructive Evaluation Division
Metallurgy and Materials Group
Indira Gandhi Centre for Atomic Research, Kalpakkam

is conferred the Scientific & Technical Excellence Award for the year 2015 for his excellent contributions in the area of *"Ultrasonic Evaluation of Materials"*.

Dr. Anish Kumar has made significant contributions in the field of nondestructive evaluation of materials and components using ultrasonic techniques. He has developed innovative methodologies for characterization of microstructure & mechanical properties in different alloys systems and for in-service inspection of nuclear components.

Dr. Anish Kumar has developed a novel methodology for inspection of shell weld in core support structure of PFBR using ultrasonic guided wave. He has also developed ultrasonic signal analysis and step-by-step procedure for under sodium ultrasonic scanning (USUS) for detection of subassembly protrusion in PFBR. He has developed a specific methodology and software for under sodium 3D ultrasonic imaging of objects and for imaging the bond quality in Zr-lined ferritic steel clad tubes. He has also developed a holistic approach of analysis and complete software for unambiguous analysis of ultrasonic signals acquired during ISI of Reactor Pressure Vessel (RPV) of Tarapur Atomic Power Station (TAPS).

The Chairman, Atomic Energy Commission has great pleasure in presenting the "Scientific & Technical Excellence Award 2015" to Dr. Anish Kumar in recognition of his outstanding contribution to the Departmental programme.

Sekhar Basu

(Dr. Sekhar Basu)

Chairman, Atomic Energy Commission & Secretary to the Government of India

Venkatesan, Shri B. Ramalingam, Shri A. Gunasekaran, Shri P. Shanmugam from **ESG**, Shri B. K. Sreedhar, Shri G. Padmakumar, Shri S. C. S. P. Kumar Krovvidi, Shri Nilayendra Chakraborty, Shri Y. V. Nagaraja Bhat, Shri R. Nirmal Kumar, Shri S. Ignatius Sundar Raj, Shri P. Madan Kumar, Shri J. Saravanan, Shri R. Krishnamurthy, Shri M. Sambamurthy, Shri A. Kolanjiappan, Shri R. Ramalingam, Shri A. Sudarsana Rao, Shri P. Varadan, Shri Rakesh Kumar Mourya, Shri P. A. Kalaimannan, Shri N. Thulasi, Shri Anant Kumar, Shri T. V. Maran, Shri K. Mohanraj, Shri A. T. Loganathan, Shri D. Kuppusamy, Shri A. Anthuvan Clement, Shri S. Sureshkumar, Shri J. Jaikanth, Shri R. Shanmugam, Shri M. T. Janakiraman, Shri C. Adikesaven, Shri A. Ashok Kumar, Shri L. Muthu, Shri S. Bavanirajan, Shri B. K. Nashine, Shri P. R. Ashok Kumar, Shri L. Egambaram, Shri N. Sreenivas, Shri K. Arungam, Shri A. Alexander Xavir, Shri P. Chenthil Velmurugan, Ms. M. Chandra, Shri G. Vijaya Kumar, Shri S. Chadramouli, Shri R. Rajendra Prasad, Shri D. Muralidhar, Shri S. Ravishankar, Shri J. Prabhakaran, Shri R. Parandaman, Shri N. Mohan, Shri R. Iyappan, Shri K. Ramesh, Shri Sheik Rafee, Shri M. Karthikeyan, Shri V. Kumaraswamy, Shri Gautam Anand, Shri D. K Saxena, Shri B. Veeraraghavan, Shri C. Rajappan, Shri S. Kannan, Shri R. Punniyamurthy, Shri S. Krishnakumar, Shri R. Arjunan, Shri K. Ganesh, Shri Vijay Sharma, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri Parmanand Kumar, Shri N. Venkatesan, Shri Pabbineedi Lakshmayya, Shri P. Pothi, Shri A. Thirunavukarau, Shri V. Ramakrishnan, Shri K. Jayagopi, Shri D. Laxman, Shri P. Sonai, Shri S. Shanmugam, Shri R. Rajendran, Shri H. Rafiq Basha, Shri J. Prem, Shri M. Kathiravan, Shri V. Gunasekaran, Shri N. S. Shivakumar, Shri Gautam Kumar Pandey, Shri P. Lijukrishnan, Shri Vijay Singh Sikarwar, Shri S. Sathishkumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri Asif Ahmad Bhat, Shri V. Nandakumar, Shri R. Nagaraj, Shri K. Thanigairaj, Shri L. S. Sivakumar, Shri S. P. Pathak, Shri P. Narayana Rao, Shri Sukanta Kumar Roy, Shri B. Babu, Ms. M. Mohana, Shri M. V. Subramanya Deepak, Shri Chandra Sekhar Singh, Shri T. Chandran, Shri J. Vincent, Dr. J. L. Sylvia, Shri P. Vijaya Mohana Rao, Shri V. S. Krishnaraj, Shri M. Anbuchelian, Ms. S. Divya, Ms. S. Nagajothi, Shri G. Anandan, Shri P. Bakthavatchalam, Shri C. Ambujakshanan Nair, Shri A. Kulanthai, Shri R. Gunasekaran, Shri V. Krishnamoorthy, Shri Pitambar Padhan, Ms. Indira G. Ramadoss from **FRTG**, Dr. Arun Kumar Bhaduri, Dr. Shaju K. Albert, Dr. Chittaranjan Das, Shri Hemant Kumar, Shri P. Chandrasekaran, Dr. S. D. Venugopal from **MMG**, Shri P. Rajasekar, Shri M. P. Prabhakar, Shri G. Vijayaraghavan, Ms. Alka Kumari from **EIRSG**, Shri N. Murugesan from **CG**, Shri N. Mahendran from **FRFCF**

The award was also shared by colleagues from **BARC**, **BRIT** and **VECC**

Awards and Honours

Kalpakkam Community Radio Station (KCRS) was awarded second place under the category of best community radio program conducted by Anna University along with UNICEF

Dr. A. Ravishankar Project Director, **FRFCF** has been conferred with the INS Outstanding Service Award on Nuclear Fuel Cycle Technologies, including radiation safety and Environmental Protection

Dr. B. P. C. Rao has been conferred with International Recognition Award, by the Indian Society for NDT

Dr. Anish Kumar has been conferred with ISNT National NDT Award for Research and Development

Dr. S. Thirunavukkarasu has been conferred with ISNT National NDT Award for NDT Systems Innovation and Development

Best Paper/Poster Award

Deployment of Wireless Sensor Network for Radiation Monitoring

Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty

International Conference on Computing and Network Communications (CoCoNet \diamond 15) at IIITM-K, Trivandrum

Best Paper Award

Theoretical Analysis on Designing Full Functional Device of WSN using Wireless Power Transfer

Ms. Vinita Daiya, Shri T. S. Shri Krishnan, Ms. G. Sandhya Rani, Ms. Jemimah Ebenezer, Dr. S. A. V. Satya Murty, Dr. B. P. C. Rao

12th IEEE India International Conference (INDICON 2015) at Jamia Millia Islamia, New Delhi

Best Paper Award

On the occasion of HBNI completing 10 years of excellence, a function was organised at BARC Mumbai, where the awards have been given to faculty and students. Following are the details of the awards from the Centre:

Distinguished Faculty Award

Dr. B.V.R. Tata

Dr. John Phillip

Dr. K.Velusamy

Dr. U. Kamachi Mudali

Outstanding Doctoral Student Award

Physical Sciences

Dr. Prasana K. Sahoo for the thesis titled **Quasi One Dimensional GaN Nanostructures: Growth Kinetics, Physical Properties, and Applications**

Chemical Sciences

Dr. Shima P. Damodaran for the thesis titled **Synthesis, Characterization, Thermal and Rheological Studies in Nanofluids**

Engineering Sciences

Dr. S. Ravi for the thesis titled **Design and Development of In-Sodium Creep Testing Facility and Influence of Dynamic Sodium on Creep Properties of Structural Materials for Fast Reactors**

Outstanding M.Tech. Student Award

Shri Aritra Sarkar for the thesis titled **Deformation Behaviour under Ratcheting of a Type 316LN Stainless Steel**

Shri V. Arjun for the thesis titled **Finite Element Model Based Optimization of Pulsed Eddy Current Probe for Sub-Surface NDE**

Manufacturing Experiences of Large Stroke Welded Disc Bellows for Nuclear Applications

Shri S.C.S.P Kumar Krovvidi, Shri B.K. Sreedhar, Shri N. Mahendran, Shri G. Padmakumar, Shri S.Raghupathy, Shri Sudhakar Naik ,Shri R. Gopalakrishnan

IEEE sponsored International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017) held in Department of Mechanical Engineering, MNNIT, Allahabad during February 3-5, 2017

Best Paper Award

Exploring the Font Attributes of Microsoft Word: A Steganographic Perspective

Shri R. Bala Krishnan, Shri Prasanth Kumar Thandra, Dr. M. Sai Baba

International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST-17) held at National Institute of Technology, Tiruchirappalli, during March 31 - April 1, 2017

Best Paper Award

Oxygen Potential Analysis of Molybdenum in MOX Fuel

Shri Ronit Kumar Panda, Dr. S. Clement Ravichandar, Dr. M. Sai Baba

13th DAE-BRNS Nuclear and Radiochemistry Symposium (NUCAR-2017) at KIIT University, Bhubaneswar, during February 6-10, 2017

Best Poster Award

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2015 are:

Homi Bhabha Science and Technology Award	Dr. John Philip, MMG
Scientific and Technical Excellence Award	Dr. Divakar Ramachandran, MMG Dr. Anish Kumar, MMG
Young Applied Scientist/Technologist Award	Shri Ranga Ramakrishna, FRTG Shri T. K. Haneef, MMG
Young Engineer Award	Shri T. Sakthivel, MMG Shri Piyush Kumar Aggarwal, FRTG Shri Ram Kumar Maity, RDG Shri R. Dheenadhayalan, EIG
Meritorious Technical Support Award	Shri M. Rajendran, RFG Shri A. Amalraj, MC&MFCG Shri K. Kamaludeen, RFG
Meritorious Service Award	Shri A. Christopher, Administration Shri Sairam Ramadorai, Director's Office

Group Achievement Awards:

Development of Nitrogen Enhanced 316LN Austenitic Stainless Steel for Primary Components of Sodium Cooled Fast Reactors.

Dr. A. K.Bhaduri, Director, IGCAR, Group Leader

Dr. U. Kamchi Mudali, Dr. K. Bhanu Sankara Rao, Dr. M. D. Mathew, Dr. K. Laha, Dr. Shaju K. Albert, Dr. B. K. Choudhary, Dr. C. Mallika, Dr. N. Parvathavarthini, Dr. R. Sandhya, Dr. P. Parameswaran, Dr. V. S. Srinivasan, Dr. M. G. Pujar, Dr. A. Nagesha, Dr. S. Ningshen, Shri G. Srinivasan, Dr. S. Ravi, Dr. Vani Shankar, Dr. G. V. Prasad Reddy, Shri J. Ganesh Kumar, Shri M. Nandagopal, Dr. Sunil Goyal, Shri J. Christopher, Ms. P. Poonguzhuli, Dr. Anita Topoo, Shri V. David Vijayanand, Shri T. Sakthivel, Shri R. Kannan, Shri Aritra Sarkar, Shri Durga Prasad Rao Palaparti, Ms. M. Divya, Shri K. Thyagarajan, Shri N. Sivaibharasi, Shri V. Ganesan, Shri Srinivas Manne palli, Shri K. Mariappan, Ms. S. Panneerselvi, Shri A. Vinod Kumar, Shri N. S. Thampi, Shri K. Vaithiyathan, Shri S. Sakthy, Shri M. Arul, Shri M. Gandhi, Shri M. Srinivasarao, Shri M. Munivel, Ms. R. Uma Maheswari, Ms. M. Jayalakshmi, Shri M. Govindaswamy, Ms. Indira Logu, Ms. M. Esakkiammal and Ms. N. Santhi from **MMG**

Remote Replacement of Radiation Shielding Window and resolution of Challenges during Operation at CORAL Facility

Dr. A. Ravishankar, RpG & Shri V. Vijayakumar, RpG - Group Leaders

Shri K.C. Ajoy, Shri A. Dhasekaran, Dr. B. Venkataraman, Dr. M.T. Jose, Shri V. Rajagopal, Shri R. Santhanam, Shri S. Viswanathan, Shri R. Mathiyarasu, Shri S. Baskar, Dr. S. Kalaiselvan, Shri S. Chandrasekaran, Dr. U. Madhusoodanan, Shri S. Balasundar, Dr. O. Annalakshmi, Dr. M. Manohari, Shri R. Arul, Ms. R. Akila, Shri S.M.S Murthy, Shri D. Karthikeyan, Shri N. Yuvaraj and Ms. Nitu Sinha from **HSEG**; Shri B. M. Ananda Rao, Shri E. Balu, Shri A. Palanivel, Shri G. Surendar Kumar, Shri Apurba Kumar Majumder, Shri MD. Mohauddain Ansari, Shri K.K. Shimjith, Shri N. Divakar, Shri M. Elumalai, Shri K. Ajai Kumar, Shri S.S. Kumar Goru, Shri C. Kannan, Shri V. Venugopal, Shri N. Govindan, Shri G. Rajendran, Shri Prashant Kumar, Shri M. Dhayalan, Shri T. Sengalani, Shri S. Sengayani, Shri L.A. Leo Felix, Shri H. Humayoun, Shri Shekar Kumar, Shri Surajit Halder, Shri M. Muthukumar, Shri Kinkar Mandal, Shri Peeyush Gupta, Shri Varatharajan, Shri J. Thiyaga Senthilkumar, Shri S. Somasundaram, Shri Saju George, Shri S. Sivakumar, Shri Abdul Muqtadir, Shri M. Selvarasan, Shri R. Sajikumar, Ms. Radha Rani, Shri Vijayaraghavan, Shri K. Arasakumar, Shri D. Natarajan, Shri K. Ilanchezhian, Shri Ravi Islavath, Shri N. Balasubramanian, Shri Potta Ramjee, Shri P. Santhanadevan, Shri V. Kumara Vijayan, Shri M. Suresh, Shri A.K. Sasi, Shri S. Pandurangan, Shri P. Ramesh Kumar, Shri K.K. Vinod Kumar, Ms. C.M. Bagyalakshmi, Shri L.

Bhupati, Smt. Anju Kumari Dr. Amit kumar, Ms. Usha Pujala, Ms. Sujatha Pavan Narayanam from HSEG; Dr. B. K. Nashine, Shri B. Babu, Shri S. Chandramouli, Dr. J. I. Sylvia, Shri G.Vijayakumar, Shri A. Ashok Kumar, Shri R. Rajendra Prasad, Shri V. Ramakrishnan, Shri S. Krishnakumar, Shri D. Laxman, Shri V. Gunasekaran, Shri M. Kathiravan, Shri C. Rajappan, Shri R. Iyyappan, Shri K. Ramesh, Shri Vijay Tirkey, Shri V. Krishnamurthy, Shri Pitamber Padhan, Shri G. Anandan, Shri L. Muthu, Shri P. Lakshmayya, Dr. R. Ananthanarayanan, Shri M. Manogaran from FRTG

Dr. Arun Kumar Bhaduri has been awarded GD Birla Gold Medal (2017) by Indian Institute of Metals on November 14, 2017 at the inaugural function of the 55th National Metallurgists Day Celebrations & 71st Annual Technical Meeting of the Institute held at BITS, Pilani, Goa

Dr. Arun Kumar Bhaduri has been conferred with Doctor of Science (Honoris Causa) by Jadavpur University, Kolkata based on his professional contribution to Science and Society, as a whole, at the Convocation program of the University on 24th December 2017

Dr. B. Venkatraman delivered Keynote lecture on Towards robust quality assurance through multi modal NDE integrated with modelling, simulation and image/singal analysis at 15th Asia Pacific conference on NDT (15th APCNDT), Singapore, held during November 13-17, 2017

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG have presented their case study and won the award Excellent (Silver category) in the National Convention on Quality Concepts held during December 1-4, 2017 at JSS Science and Technology University, Mysuru

Dr. B. P. C. Rao, MMG received the award for Best Technical Paper in R&D from ISNT for the article titled Multidimensional Basis Function Neural Network for Sizing Flaws from Eddy Current Images published during 2016 in Journal of Non-destructive Testing & Evaluation, on December 14, 2017

Best Paper/Poster Award

Compressibility Study of RE6 UO12 at Elevated Pressure and Temperature

Shri Balmukund Shukla, Dr. N R Sanjay Kumar, Dr. N. V. Chandra Shekar, Dr. H. Jena and Dr. S. Kalavathi
9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

High Pressure Spectroscopic Studies of Phase Transition in VO2

Ms. Raktima Basu, Shri K. K. Mishra, Dr. T. R. Ravindran and Dr. Sandip Kumar Dhara

9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

Luminescence Studies in Lithium Fluoride

Dr. U. Madhusoodanan, Shri P. Vinodkumar, Shri S. K. Panda, Shri N. Suriyamurthy and Dr. B. S. Panigrahi

9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Paper Award

An Investigation on the Factors Influencing Creep Rupture Life of 316LN SS Weld Joints

Dr. V. D. Vijayanand, Dr. G.V. Prasad Reddy and Dr. K. Laha

Young Professional International Conference 2017/Weld PCT 2017 Organized by the International Institute of Welding held at Chennai during December 7-9, 2017

Best Paper Award

Neutron Radiography Examinations of Advanced Fast Reactor Fuels

Shri V. Anandaraj, Shri Ran Vijay Kumar, Dr. C. Padma Prabu, Dr. V. Karthik, Shri T. Johny and Dr. R. Divakar

National Conference on Non-destructive Evaluation NDE2017 held at Chennai during December 14-16, 2017

Best Paper Award

Dr. Arun Kumar Bhaduri, Distinguished Scientist and Director, IGCAR was conferred with the Distinguished Alumnus Award at the 63rd Convocation of Indian Institute of Technology-Kharagpur for his outstanding achievements. He is also the recipient of Dr. KCG Verghese Excellence Award for Lifetime Achievement from Hindustan Group of Institutions, Chennai

Dr. S. Ningshen, Corrosion Science and Technology Division, MMG received the Award for Excellence in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON-2017) held at Mumbai during September 17-20, 2017

Dr. A. Ravi Shankar, Corrosion Science & Technology Division, MMG received the Award for Distinction in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON 2017) held at Mumbai during September 17-20, 2017

Dr. Anish Kumar, Non-Destructive Evaluation Division, MMG has been selected as a Member of Scientific Advisory Committee to Science & Heritage Research Initiative, Department of Science and Technology (2017-2020)

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG had presented their case study and won the awards, Par Excellence in the Quality Circle Annual meet 2017 held on August 30, 2017 at SRI Covention Centre, Anupuram and placed in GOLD category in the 26th QC Convention of Chennai Chapter CCQCC-2017 held during September 9-10, 2017 at Sri Sairam Engineering College, Chennai.

Scientific and Technical Excellence Award	Dr. Arup Dasgupta, MMG Dr. Awadhesh Mani, MSG Shri Sriramachandra Aithal, RDG
Young Engineer Award	Shri L. Suresh, RDG Shri Ranjit Jovin Cyriac, RDG Shri N. Subramanian, EIG
Meritorious Service Award	Shri D. M. Raut, RM&PAG Shri G. Munuswamy, CC
Meritorious Technical Support Award	Shri K. Ellappan, RFG Shri C. S. Rajasekharan Nair, RFG Shri S. Srinivasan, FRTG Shri R. Karunakaran, MC&MFCG

Group Achievement Awards:

Development and Qualification of PFBR Steam Generator (PSGIS) and Inspection of Eight Steam Generators (SGs) using PSGIS

Shri Joseph Winston, FRTG, Group Leader

Dr. Arun Kumar Bhaduri, Dr. G. Amarendra, Dr. S. Murugan, Dr. B.P.C. Rao, Dr. C.K. Mukhopadhyay, Shri P.K. Chaurasia, Shri D. Jegadeesan, Shri S. Sakthivel, Shri P. Visweswaran, Shri Joel Jose, Shri K. Purushothaman, Shri M. Muthuganesh, Shri R. Ravikumar, Shri N. Mahendra Prabhu, Shri Manam Samba Siva Rao, Shri Rajesh Saxena, Shri R. Ramesh, Smt. T. Prabavathy, Dr. S. Thirunavukkarasu, Dr. B. Sasi, Shri V. Arjun, Dr. W. Sharat Chandra Singh, Shri Manoj Kumar Raja, Shri T.K. Haneef and Shri S. Arun Kumar, from **MMG**; Shri S. Athmalingam, Shri R. Sritharan and Shri R. Nandakumar from **RDG**; Shri P. Rajendra Prasad, Shri Vashistha Kumar Pandey, Shri Krishna Chaitanya Gudimella, Shri K. Akilan, Shri V. Rasaram, Shri K. Karthick, Shri B. Vasudevan, Shri E. Manigandan, Shri S. Manickam, Shri S. Sudhakar Naik and Shri B. Maruthan from **BHAVINI**

Development of Integrated Cold Trap for In Vessel Primary Sodium Purification

Shri G. Padmakumar, RD, MRPU (then FRTG), Group Leader

Dr. B.K. Nashine, Dr. J.I. Sylvia, Shri S. Chandramouli, Shri V. Ramakrishanan, Shri V. Vinod, Shri G. Vijayakumar, Shri Sarat Kumar Dash, Shri A. Ashok Kumar, Shri Prashant Sharma, Shri S. Ignatius Sundar Raj, Shri R. Rajendra Prasad, Shri Rakesh Kumar Mourya, Shri S.C.S P. Kumar Krovvidi, Shri M.G. Hemanath, Shri S. Krishnakumar, Shri J. Saravanan, Shri M. Anbucheliyan, Shri M. Anandaraj, Shri T.V. Maran, Shri S. Sathishkumar, Shri Vijay Singh Sikarwar, Shri B. Nagaraju, Shri S. Alexander Xavier, Shri S. Ravishankar, Shri D. Muralidhar, Shri D. Laxman, Shri Chatlal Thakur, Shri N. Venkatesan, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri P.R. Ashokkumar, Shri K. Arumugam, Shri Shaik Rafee, Shri M. Karthikeyan, Shri K. Ganesh, Shri M. Munikumar, Shri S. Ponthilagar, Shri N. Prem Anand, Shri S. Sarvanan, Shri G. Rathnachalam, Shri H. Rafiq Basha, Shri K. Ramesh, Shri V. Krishnamurthy, Shri V. Gunasekaran, Shri M. Kathiravan, Shri K. Mohan Raj, Smt. S. Nagajothi, Shri P. Chenthil Velmurugan, Shri C. Rajappan, Shri N. Sreenivas, Shri L. Eagambaram, Shri N. Mohan, Shri G. Anandan, Shri J. Prem, Shri K. Ravi, Shri A. Kolanjiappan, Shri Vijay Tirkey, Shri K.H. Anub, Shri J. Prabhakaran, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri S. Balakrishnan, Shri P. Lakshmayya, Shri P. Pothi, Shri Pitambar Padhan, Shri K.A. Bijoy, Shri A. Selvakumaran, Shri R. Iyyappan, Shri R. Parandaman and Smt. S. Saravana Priya from **FRTG**; Shri Makrand Rajhans from **RMPAG**; Shri S. Athmalingam and Shri V. Krishnamurthy from **RDG**

Design, Development and Performance Evaluation of Core Flow Measuring System for FBRs

Dr. V. Prakash, FRTG, Group Leader

Shri G. Padmakumar, Dr. C. Meikandamurthy, Shri V. Vinod, Shri S. Sureshkumar, Shri Sudheer Patri, Shri Muhammad Sabih, Smt. S. Narmadha, Shri N. Ravichandran, Shri Hadibandhu Singh, Shri C.N. Sridhar, Shri K. Balaji, Shri S. Balakrishnan, Shri Tribhuvan Ram, Shri D. Laxman, Shri M. Kathiravan, Shri V. Gunasekaran, Shri R. Rajendran, Shri N.S. Shivakumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri S. Rajkamal Singh, Shri K. Srinivasa Rao, Shri T.V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri Ramesh Kumar Sharma, Smt. S. Saravana Priya, Shri M. Anbuchelian, Shri C. Asokane, Shri S. Chandramouli, Shri P. Centhil Vel Murugan, Shri K. Arumugam, Shri N. Mohan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Muthu, Shri V. Krishnamoorthy, Shri I.B. Noushad, Shri V.A. Sureshkumar, Shri V.S.P. Babu, Shri K. Thanigairaj, Shri S. Kishore, Shri L.S. Sivakumar, Shri M. Ravishankar, Shri S.P. Pathak, Shri Vishal. D. Paunikar, Shri R. Kannan, Shri C.L. Thakur, Shri R.K. Sharma, Shri V. Elumalai, Shri P. Narayana Rao, Shri K.G. Radhakrishnan Unni, Shri K.V.S.S.N. Murthy, Shri V. Saravanan, Shri Sukanta Kumar Roy, Shri S. Suresh, Shri P. Hrishikesh, Shri Tirkey Vijay, Shri M. P. Sunny, Shri K. Sekar, Shri E. G. Prabakaran, Shri K. Sadiqbatcha, Shri N. Premanand, Shri G. Ratnachalam, Shri M. Munikumar, Shri C. Pavaderadjane, Shri A. Saravanan, Shri S. Saravanan, Shri K. Arulselvam, Shri S. Ponthilagar and Shri A. Elumalai from **FRTG**; Smt. R. Vijayashree, Shri B. Madhavan, Shri Sanjeev Kumar and Shri S. Arumugam from **RDG**; Shri K. Sasikumar, Shri K.G. Subramanian, Shri G.N. Chandrasekaran, Shri S. Kanagaraju, Shri B. Balagopal, Shri R. Ramesh, Shri K. Kamaludeen, Shri K. Amos, Shri D. Vinoth, Shri B. Dharmiah, Shri M. Ganesan, Shri V. Velu, Shri V. Govindaraj, Shri R. Vinoth and Shri V. Rajkumar from **RFG**. Shri G. Kempulraj, Shri B.S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri R. Tamilamuthan, Shri V. Rajendaran, Shri J. Abilash, Shri S. Thiyagu, Shri E. Gothandan, Shri N. Dhanasekaran, Shri V. Kodiarasan, Shri L. Sivakumar, Shri M. Damodharan, Shri A. Gunasekaran, Shri B. Ramalingam, Shri K. Chakarapani, Shri S. Manimaran, Shri S. Ramesh and Shri C. Siva from **ESG**; Shri M. Sakthivel, Shri J. Selva Solomon and Shri A. Nageswaran from **EIG**; Shri M. Karthick from **FRFCF**; Shri Rajeev Ranjan Prasad from **RDG**; Shri B. Anandapadmanaban, Shri N. Raghu, Shri Saju T. Abraham, Shri P. Ramesh, Shri Uma Shankar, Shri B. Govindasamy, Shri D. Hensonraj, Shri K. Murugan, Smt. D. Chitra, Shri Krishna Chaitanya, Shri P. Narayana Rao, Shri D. Kuppusamy, Shri C. Muniyandi and Shri G. Vijaya Raghavan from **HSEG**; Shri M. Tenneyson, Shri M. Vijayaragavan, Smt. H. Rogaiya Banu, Shri J. Ranganathan, Shri M. D. Bakthavasthchalam and Smt. Padmini Rajan from **MRPU**

Development of Online Nuclear Emergency Response Decision Support System and Atmospheric Dispersion of Sodium Aerosols for Evaluation of Chemical Toxicity Towards SFR Safety

Dr. B. Venkatraman, HSEG, Group Leader

Dr. R. Baskaran, Dr. C.V. Srinivas, Dr. R. Venkatesan, Shri A. Bagavath Singh, Shri P.T. Rakesh, Dr. V. Subramanian, Shri V. Goopalakrishnan, Shri M.

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Group Achievement Awards:

Development and Qualification of PFBR Steam Generator (PSGIS) and Inspection of Eight Steam Generators (SGs) using PSGIS

Shri Joseph Winston, FRTG, Group Leader

Dr. Arun Kumar Bhaduri, Dr. G. Amarendra, Dr. S. Murugan, Dr. B.P.C. Rao, Dr. C.K. Mukhopadhyay, Shri P.K. Chaurasia, Shri D. Jegadeesan, Shri S. Sakthivel, Shri P. Visweswaran, Shri Joel Jose, Shri K. Purushothaman, Shri M. Muthuganesh, Shri R. Ravikumar, Shri N. Mahendra Prabhu, Shri Manam Samba Siva Rao, Shri Rajesh Saxena, Shri R. Ramesh, Smt. T. Prabavathy, Dr. S. Thirunavukkarasu, Dr. B. Sasi, Shri V. Arjun, Dr. W. Sharat Chandra Singh, Shri Manoj Kumar Raja, Shri T.K. Haneef and Shri S. Arun Kumar, from MMG; Shri S. Athmalingam, Shri R. Sritharan and Shri R. Nandakumar from RDG; Shri P. Rajendra Prasad, Shri Vashistha Kumar Pandey, Shri Krishna Chaitanya Gudimella, Shri K. Akilan, Shri V. Rasaram, Shri K. Karthick, Shri B. Vasudevan, Shri E. Manigandan, Shri S. Manickam, Shri S. Sudhakar Naik and Shri B. Maruthan from BHAVINI

Development of Integrated Cold Trap for In Vessel Primary Sodium Purification

Shri G. Padmakumar, RD, MRPU (then FRTG), Group Leader

Dr. B.K. Nashine, Dr. J.I. Sylvia, Shri S. Chandramouli, Shri V. Ramakrishanan, Shri V. Vinod, Shri G. Vijayakumar, Shri Sarat Kumar Dash, Shri A. Ashok Kumar, Shri Prashant Sharma, Shri S. Ignatius Sundar Raj, Shri R. Rajendra Prasad, Shri Rakesh Kumar Mourya, Shri S.C.S P. Kumar Krovvidi, Shri M.G. Hemanath, Shri S. Krishnakumar, Shri J. Saravanan, Shri M. Anbucheliyan, Shri M. Anandaraj, Shri T.V. Maran, Shri S. Sathishkumar, Shri Vijay Singh Sikarwar, Shri B. Nagaraju, Shri S. Alexander Xavier, Shri S. Ravishankar, Shri D. Muralidhar, Shri D. Laxman, Shri Chatlal Thakur, Shri N. Venkatesan, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri P.R. Ashokkumar, Shri K. Arumugam, Shri Shaik Rafee, Shri M. Karthikeyan, Shri K. Ganesh, Shri M. Munikumar, Shri S. Ponthilagar, Shri N. Prem Anand, Shri S. Sarvanan, Shri G. Rathnachalam, Shri H. Rafiq Basha, Shri K. Ramesh, Shri V. Krishnamurthy, Shri V. Gunasekaran, Shri M. Kathiravan, Shri K. Mohan Raj, Smt. S. Nagajothi, Shri P. Chenthil Velmurugan, Shri C. Rajappan, Shri N. Sreenivas, Shri L. Eagambaram, Shri N. Mohan, Shri G. Anandan, Shri J. Prem, Shri K. Ravi, Shri A. Kolanjiappan, Shri Vijay Tirkey, Shri K.H. Anub, Shri J. Prabhakaran, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri S. Balakrishnan, Shri P. Lakshmayya, Shri P. Pothi, Shri Pitambar Padhan, Shri K.A. Bijoy, Shri A. Selvakumaran, Shri R. Iyyappan, Shri R. Parandaman and Smt. S. Saravana Priya from FRTG; Shri Makrand Rajhans from RMPAG; Shri S. Athmalingam and Shri V. Krishnamurthy from RDG

Design, Development and Performance Evaluation of Core Flow Measuring System for FBRs

Dr. V. Prakash, FRTG, Group Leader

Shri G. Padmakumar, Dr. C. Meikandamurthy, Shri V. Vinod, Shri S. Sureshkumar, Shri Sudheer Patri, Shri Muhammad Sabih, Smt. S. Narmadha, Shri N. Ravichandran, Shri Hadibandhu Singh, Shri C.N. Sridhar, Shri K. Balaji, Shri S. Balakrishnan, Shri Tribhuvan Ram, Shri D. Laxman, Shri M. Kathiravan, Shri V. Gunasekaran, Shri R. Rajendran, Shri N.S. Shivakumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri S. Rajkamal Singh, Shri K. Srinivasa Rao, Shri T.V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri Ramesh Kumar Sharma, Smt. S. Saravana Priya, Shri M. Anbuchelian, Shri C. Asokane, Shri S. Chandramouli, Shri P. Centhil Vel Murugan, Shri K. Arumugam, Shri N. Mohan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Muthu, Shri V. Krishnamoorthy, Shri I.B. Noushad, Shri V.A. Sureshkumar, Shri V.S.P. Babu, Shri K. Thanigairaj, Shri S. Kishore, Shri L.S. Sivakumar, Shri M. Ravishankar, Shri S.P. Pathak, Shri Vishal. D. Paunikar, Shri R. Kannan, Shri C.L. Thakur, Shri R.K. Sharma, Shri V. Elumalai, Shri P. Narayana Rao, Shri K.G. Radhakrishnan Unni, Shri K.V.S.S.N. Murthy, Shri V. Saravanan, Shri Sukanta Kumar Roy, Shri S. Suresh, Shri P. Hrishikesh, Shri Tirkey Vijay, Shri M. P. Sunny, Shri K. Sekar, Shri E. G. Prabakaran, Shri K. Sadiqbatcha, Shri N. Premanand, Shri G. Ratnachalam, Shri M. Munikumar, Shri C. Pavaderadjane, Shri A. Saravanan, Shri S. Saravanan, Shri K. Arulselvam, Shri S. Ponthilagar and Shri A. Elumalai from FRTG; Smt. R. Vijayashree, Shri B. Madhavan, Shri Sanjeev Kumar and Shri S. Arumugam from RDG; Shri K. Sasikumar, Shri K.G. Subramanian, Shri G.N. Chandrasekaran, Shri S. Kanagaraju, Shri B. Balagopal, Shri R. Ramesh, Shri K. Kamaludeen, Shri K. Amos, Shri D. Vinoth, Shri B. Dharmiah, Shri M. Ganesan, Shri V. Velu, Shri V. Govindaraj, Shri R. Vinoth and Shri V. Rajkumar from RFG. Shri G. Kempulraj, Shri B.S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri R. Tamilamuthan, Shri V. Rajendaran, Shri J. Abilash, Shri S. Thiyagu, Shri E. Gothandan, Shri N. Dhanasekaran, Shri V. Kodiarasan, Shri L. Sivakumar, Shri M. Damodharan, Shri A. Gunasekaran, Shri B. Ramalingam, Shri K. Chakarapani, Shri S. Manimaran, Shri S. Ramesh and Shri C. Siva from ESG; Shri M. Sakthivel, Shri J. Selva Solomon and Shri A. Nageswaran from EIG; Shri M. Karthick from FRFCF; Shri Rajeev Ranjan Prasad from RDG; Shri B. Anandapadmanaban, Shri N. Raghu, Shri Saju T. Abraham, Shri P. Ramesh, Shri Uma Shankar, Shri B. Govindasamy, Shri D. Hensonraj, Shri K. Murugan, Smt. D. Chitra, Shri Krishna Chaitanya, Shri P. Narayana Rao, Shri D. Kuppusamy, Shri C. Muniyandi and Shri G. Vijaya Raghavan from HSEG; Shri M. Tenneyson, Shri M. Vijayaragavan, Smt. H. Rogaiya Banu, Shri J. Ranganathan, Shri M. D. Bakthavasthachalam and Smt. Padmini Rajan from MRPU

Development of Online Nuclear Emergency Response Decision Support System and Atmospheric Dispersion of Sodium Aerosols for Evaluation of Chemical Toxicity Towards SFR Safety

Dr. B. Venkatraman, HSEG, Group Leader

Dr. R. Baskaran, Dr. C.V. Srinivas, Dr. R. Venkatesan, Shri A. Bagavath Singh, Shri P.T. Rakesh, Dr. V. Subramanian, Shri V. Goopalakrishnan, Shri M.

Best Paper Awards

Synthesis of Fe₃O₄ Magnetic Nanoclusters using Microwave Reactor

Shri. S. Kalyani, Dr. S. Ayyappan and Dr. John Philip

National conference on Nanomaterials (NCN-2017), held at Namakkal during 20-21 July, 2017

Best Paper Award

Anomalous Behaviour of Calcium Chloride Melt Under Cathodic Polarisation Conditions

Ms. Anwesha Mukherjee and Dr. K. S. Mohandas

2nd International Conference on Electrochemical Science and Technology (ICONEST 2017), held at Bengaluru, during 10-12 August, 2017

Best Poster Award

Development of High Temperature Oxidation Resistant SiC interlayer for Ceramic Coating on High Density Graphite

Ms. B. Madhura, Shri. E. Vetrivendan, Dr. Ch. Jagadeeswara Rao, Dr. S. Ningshen and Dr. U. Kamachi Mudali

2nd International Conference on Electrochemical Science and Technology (ICONEST 2017), held at Bengaluru, during 10-12 August, 2017

Best Poster Award

Electrochemical Studies of Zirconium-702 in Concentrated Nitric Acid with and without Fluoride Ions

Dr. J. Jayaraj, Dr. S. Ningshen and Dr. U. Kamachi Mudali

2nd International Conference on Electrochemical Science and Technology (ICONEST 2017), held at Bengaluru, during 10-12 August, 2017

Best Poster Award

Effect of Dead Layer on The Efficiency of Planar Semiconductor Neutron Detectors

Shri Prasanna Gandhiraj, Shri Manoj Kumar Parida, Dr. K. Prabakar, Shri Raghuramaiah Manchi, Dr. S. Tripura Sundari, Dr. J. Jayapandian and Shri Chakram Sampathkumar Sundar

60th Institution of Electronics and Telecommunication Engineers (IETE) Annual Convention, 17 September, 2017

Best Paper Award

Biofilm Analysis on Cooling Waters of Fast Breeder Test Reactor using Advanced Molecular Tools

Dr. B. Anandkumar, Dr. R. P. George, Shri S. Lakshmanapandi, Shri S. Ramamoorthy and Dr. C. Mallika

International Conference on Corrosion-CORCON 2017 held at Mumbai during 17-20 September, 2017

Best Paper Award

Corrosion and Surface Film Characterization of TaNbHfZrTi High Entropy Alloy

Dr. J. Jayaraj, Shri C.Thinaharan, Dr. S. Ningshen, Dr. C. Mallika and Dr. U. Kamachi Mudali

International Conference on Corrosion CORCON-2017 held at Mumbai during 17-20 September, 2017

Best Paper Award

Signal Digitization using Voltage to Frequency Conversion for Wireless Sensor Node

Ms. Donia Maria Denny, Ms. K. Indumathi, Dr. S.Radha, Shri T.S. Shri Krishnan, Ms. Jemimah Ebenezer, Shri R.Jehadeesan

International conference on Recent Trends in Computing Technology (ICRTCT17) held at Bharath University, Selaiyur on 21 April, 2017

Best Paper Award

Creep behaviour of boron added modified 9Cr-1Mo steel weld joint

Shri T. Sakthivel and Dr. K. Laha

National Welding Meet - 2017, Indian Institute of Welding, Bengaluru, 12 - 13 May, 2017

Best Paper Award

Few of our colleagues participated in the "International Conference on Fast Reactors and Related Fuel Cycle: Next Generation Nuclear Systems for Sustainable Development (FR17)" held at Yekaterinburg, Russian Federation during 26-29 June, 2017.

The following two participants have won the "Young Innovator Challenge Award"

Shri S. Aravindan from RDG for "Development of Reverse Flow Blockage Device for Primary Sodium Pumps of Fast Breeder Reactor"

Shri Balija Sreenivasulu from MC&MFCG for "Development of Tri-iso-Amyl Phosphate (TiAP) based Solvent Extraction Process as an Alternate Method for the Processing of Metallic Alloy Fuels (U-Pu-Zr and UZr)"

Dr. M. Sai Baba has been conferred with Doctor of Science (Honoris Causa) by Dr. M.G.R. Educational and Research Institute University, Chennai for his outstanding contributions in the fields of Mass Spectrometry, Nuclear Engineering and Training School Programmes

Dr. Sandip Kumar Dhara has been elected as a Fellow of The Royal Society of Chemistry and has become a Member of American Physical Society

Best Paper/Poster Award

Manufacturing Experiences of Large Stroke Welded Disc Bellows for Nuclear Applications

Shri S.C.S.P Kumar Krovvidi, Shri B.K. Sreedhar, Shri N. Mahendran, Shri G. Padmakumar, Shri S.Raghupathy, Shri Sudhakar Naik ,Shri R. Gopalakrishnan

IEEE sponsored International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017) held in Department of Mechanical Engineering, MNNIT, Allahabad during February 3-5, 2017

Best Paper Award

Exploring the Font Attributes of Microsoft Word: A Steganographic Perspective

Shri R. Bala Krishnan, Shri Prasanth Kumar Thandra, Dr. M. Sai Baba

International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST-17) held at National Institute of Technology, Tiruchirappalli, during March 31 - April 1, 2017

Best Paper Award

Oxygen Potential Analysis of Molybdenum in MOX Fuel

Shri Ronit Kumar Panda, Dr. S. Clement Ravichandar, Dr. M. Sai Baba

13th DAE-BRNS Nuclear and Radiochemistry Symposium (NUCAR-2017) at KIIT University, Bhubaneswar, during February 6-10, 2017

Best Poster Award

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2015 are:

Homi Bhabha Science and Technology Award Dr. John Philip, MMG

Scientific and Technical Excellence Award Dr. Divakar Ramachandran, MMG

Dr. Anish Kumar, MMG

Young Applied Scientist/Technologist Award Shri Ranga Ramakrishna, FRTG

Shri T. K. Haneef, MMG

Young Engineer Award

Shri T. Sakthivel, MMG

Shri Piyush Kumar Aggarwal, FRTG

Shri Ram Kumar Maity, RDG

Shri R. Dheenadhayalan, EIG

Meritorious Technical Support Award

Shri M. Rajendran, RFG

Shri A. Amalraj, MC&MFCG

Shri K. Kamaludeen, RFG

Meritorious Service Award

Shri A. Christopher, Administration

Shri Sairam Ramadorai, Director's Office

Group Achievement Awards:

Development of Nitrogen Enhanced 316LN Austenitic Stainless Steel for Primary Components of Sodium Cooled Fast Reactors.

Dr. A. K.Bhaduri, Director, IGCAR, Group Leader

Dr. U. Kamchi Mudali, Dr. K. Bhanu Sankara Rao, Dr. M. D. Mathew, Dr. K. Laha, Dr. Shaju K. Albert, Dr. B. K. Choudhary, Dr. C. Mallika, Dr. N. Parvathavarthini, Dr. R. Sandhya, Dr. P. Parameswaran, Dr. V. S. Srinivasan, Dr. M. G. Pujar, Dr. A. Nagesha, Dr. S. Ningshen, Shri G. Srinivasan, Dr. S. Ravi, Dr. Vani Shankar, Dr. G. V. Prasad Reddy, Shri J. Ganesh Kumar, Shri M. Nandagopal, Dr. Sunil Goyal, Shri J. Christopher, Ms. P. Poonguzhuli, Dr. Anita Topoo, Shri V. David Vijayanand, Shri T. Sakthivel, Shri R. Kannan, Shri Aritra Sarkar, Shri Durga Prasad Rao Palaparti, Ms. M. Divya, Shri K. Thyagarajan, Shri N. Sivaibharasi, Shri V. Ganesan, Shri Srinivas Manneppalli, Shri K. Mariappan, Ms. S. Panneerselvi, Shri A. Vinod Kumar, Shri N. S. Thampi, Shri K. Vaithiyathan, Shri S. Sakthy, Shri M. Arul, Shri M. Gandhi, Shri M. Srinivasarao, Shri M. Munivel, Ms. R. Uma Maheswari, Ms. M. Jayalakshmi, Shri M. Govindaswamy, Ms. Indira Logu, Ms. M. Esakkiammal and Ms. N. Santhi from MMG

Remote Replacement of Radiation Shielding Window and resolution of Challenges during Operation at CORAL Facility

Dr. A. Ravishankar, RpG & Shri V. Vijayakumar, RpG - Group Leaders

Shri K.C. Ajoy, Shri A. Dhasekaran, Dr. B. Venkataraman, Dr. M.T. Jose, Shri V. Rajagopal, Shri R. Santhanam, Shri S. Viswanathan, Shri R. Mathiyarasu, Shri S. Baskar, Dr. S. Kalaiselvan, Shri S. Chandrasekaran, Dr. U. Madhusoodanan, Shri S. Balasundar, Dr. O. Annalakshmi, Dr. M. Manohari, Shri R. Arul, Ms. R. Akila, Shri S.M.S Murthy, Shri D. Karthikeyan, Shri N. Yuvaraj and Ms. Nitu Sinha from HSEG; Shri B. M. Ananda Rao, Shri E. Balu, Shri A. Palanivel, Shri G. Surendar Kumar, Shri Apurba Kumar Majumder, Shri MD. Mohauddain Ansari, Shri K.K. Shimjith, Shri N. Divakar, Shri M. Elumalai, Shri K. Ajai Kumar, Shri S.S. Kumar Goru, Shri C. Kannan, Shri V. Venugopal, Shri N. Govindan, Shri G. Rajendran, Shri Prashant Kumar, Shri M. Dhayalan, Shri T. Sengalani, Shri S. Sengayani, Shri L.A. Leo Felix, Shri H. Humayoun, Shri Shekar Kumar, Shri Surajit Halder, Shri M. Muthukumar, Shri Kinkar Mandal, Shri Peeyush Gupta, Shri Varatharajan, Shri J. Thiyaga Senthilkumar, Shri S. Somasundaram, Shri Saju George, Shri S. Sivakumar, Shri Abdul Muqtadir, Shri M. Selvarasan, Shri R. Sajikumar, Ms. Radha Rani, Shri Vijayaraghavan, Shri K. Arasakumar, Shri D. Natarajan, Shri K. Ilanchezhian, Shri Ravi Islavath, Shri N. Balasubramanian, Shri Potta Ramjee, Shri P. Santhanadevan, Shri V. Kumara Vijayan, Shri M. Suresh, Shri A.K. Sasi, Shri S. Pandurangan, Shri P. Ramesh Kumar, Shri K.K. Vinod Kumar, Ms. C.M. Bagyalakshmi, Shri L.

Shri Amit Kumar Mishra, Dr. B. B. Lahiri and Dr. John Philip

Best Poster Award

DAE Awards

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2017 were:

Young Scientist Award	Dr. Amit Kumar, HSEG
Young Applied Scientist / Technologist Award	Shri J Christopher, MMG Shri Joel Jose, FRTG
Scientific and Technical Excellence Award	Dr A. Nagesha , MMG Dr Rajesh Ganesan, MC&MFCG Shri V. Vinod, FRTG
Young Engineer Award	Shri Kulbir Singh, RDG Shri S. Sathiskumar, FRTG Shri Muhammad Sabih, FRTG
Meritorious Service Award	Smt Hema Ravichandran, RFG Shri P. Jayabalan, CC
Meritorious Technical Support Award	Shri M. Muthukumaraswamy, RFG Shri R.Viswanathan, RFG K. Shyamala Devi, HSEG
Group Achievement Award	Smt L. Srivani, EIG Shri C.Meikandamurthy, FRTG Shri K.G.Subramanian, RFG

Group Achievement Awards:

Design, Development, Integration and Testing of a Indigenous Plutonium Continuous Air Monitor (PuCAM)

Ms. L. Srivani, EIG, Group Leader

Shri N. Anil, Shri Alok Kumar Gupta, Shri K. Elangovan, Shri K. Praveen and Shri M. Thangadurai from EIG; Shri J. Abilash, Shri P. Balakrishnan, Shri N. Chockalingam, Shri D. Dileep, Shri M. Krishnamoorthy, Shri C. Muthusamy, Shri A. Padmanabhan, Shri B. Ramalingam, Shri S. Ramesh, Shri P. Shanmugam, Shri C. Siva and Shri E. Venkatesan from ESG; Shri K. C. Ajoy, and Shri A. Dhanasekaran from HSEG; Dr. G. Raghavan from MSG; Shri Amit Kumar Dash, Shri D. Anandaraj, Shri Avik Kumar Saha, Shri R. Raghunath, Shri P. Vijayasekaran, Shri Geo Mathews, Shri P. Varadharajan, Shri S. Somasundaram and Shri Saju George from RpG; Shri C. R. Venkatasubramani, RRF (Retired); Dr. V. Anita Topkar, Ms. Aggarwal Bharti, Shri H. H. Vaity, Shri C. P. Kulkarni, Shri S. Chakraborty, Shri M. M. Kuswarkar, Shri Mahesh Punna, Shri M. U. Pawar, Shri L. V. Murali Krishna, Ms. S. Padmini and Shri S. K. Patil from E&IG, BARC.

Identification and Replacement of failed Steam Generator for the first time in FBTR

Shri K. G. Subramanian, RFG, Group Leader

Shri K. V. Suresh Kumar, Shri A. Babu, Shri S. Sridhar, Shri P. V. Anilkumar, Shri D. Chandrasekaran, Shri M. Babu, Shri E. Ramesh, Shri M. Elango, Shri K. Ramachandran, Ms. Liji Jacob, Shri P. Ragothkumar, Shri G. Shanmugam, Shri N. Manimaran, Shri V. Alagudurai, Shri A. Suriyanarayanan, Shri D. Vignesh Babu, Shri R. Sekar, Shri N. Sampathkumar, Shri S. Kanagaraju, Shri P. Balamurali, Shri A. Ramamoorthy, Shri N. Ranjithkumar, Shri G. Kannan, Shri N. Kathiresan, Shri R. Desingu, Shri M. Karthikeyan, Shri J. Manikandan, Shri R. Vedhamanickam, Shri K. Kamaludeen, Shri R. Gopal, Shri M. Muthukumarasamy, Shri A. Nagalingam, Shri Syed Saleem, Shri C. Kannan, Shri M.Chitrrarasu, Shri V. Velu, Shri V. Govindaraj, Shri M. Jayasankar, Shri N. Manivel, Shri G. Narayanassamy, Shri M. Sounder, Shri D.Jaisrinivasan, Shri A. Udaya Sankar, Shri N. Basavaiah, Ms. N. K Lakshmi, Ms. P.Thyyal Nayaghi, Ms. R.Vasanthi, Ms. S. Manjula, Shri Raghav Sharma, Shri A. Lakshmanan, Shri S. Sathis Kumar, Shri K. Perumal, Shri D. Gautham, Shri Sachin Kale, Shri Ashok D Hanimana, Shri M. S Koteeswaran, Shri K. Prakash, Shri R. Vijayanand, Shri Vijayavarman, Shri S. Sathish, Shri D. Samayaraj, Shri S. Haridas, Shri Challa Ravikumar, Shri Shyam Ravikumar, Shri Manoj Kumar Agarwal, Shri Balamurugan, Shri P. Munuswamy, Shri Jayamoorthi, Shri M. Uthaman, Shri A. Thandavamurthy, Shri R. Balasubramaniam, Shri K. Ganapathy Subramanian, Shri S. Sathish kumar, Shri A. M. Kannan, Shri B. Mohanarangan, Ashish D Jain Shri J. Sasikumar, Shri M. Thangamani, Shri D. Vinoth, Shri S. Joy, Shri K. Gopal, Ms. S. Anthoniammal, Shri D. Ezhilan, Shri V. Sreenivasan from RFG; Shri B. Anandapadmanaban, Shri N. Raghu, Shri G. Ramesh, Shri Saju T. Abraham, Ms. Alka Kumari, Shri P. Azhagesan, Ms. D. Chitra, Shri P. Narayana Rao, Shri Henson Raj, Shri D. Kuppusamy, Shri R. Rajesh and Shri G. Vijaya Raghavan from HSEG; Dr. B. P. C. Rao, Dr. A. Joseph, Dr. G. K. Sharma, Ms. T. Nivedha from MMG; Shri E. Premkumar from RM&PAG

Design, Manufacturing, Erection Commissioning and Operation of Sodium Facility for Component Testing (SFCT)

Dr. C. Meikandamurthy FRTG, Group Leader

Shri S. Chandramouli, Shri R. Punniyamoorthy, Shri A. Ashokkumar, Shri S. Ravishankar, Shri D. Muralidhar, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri C. Rajappan, Shri N. Sreenivas, Shri K. Arumugam, Shri P. R. Ashokkumar, Shri L. Eagambaram, Shri J. Prabhakaran, Shri M. Karthikeyan, Shri Shaik Rafee, Shri K. Ganesh, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri Vijay Tirkey, Shri G. Vijayakumar, Shri R. Rajendraprasad, Shri Gautam Anand, Shri R. Iyappan, Shri R. Parandaman, Shri S. Kannan, Shri P. Lakshmayya, Shri P. Pothi. Ms. M.Chandra, Shri P. Rajasundaram, Ms. P. Anitha, Shri M. V. Subramanya Deepak, Shri T. V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri

Scientific and Technical Excellence Award	Dr. Arup Dasgupta, MMG Dr. Awadhesh Mani, MSG Shri Sriramachandra Aithal, RDG
Young Engineer Award	Shri L. Suresh, RDG Shri Ranjit Jovin Cyriac, RDG Shri N. Subramanian, EIG
Meritorious Service Award	Shri D. M. Raut, RM&PAG Shri G. Munuswamy, CC
Meritorious Technical Support Award	Shri K. Ellappan, RFG Shri C. S. Rajasekharan Nair, RFG Shri S. Srinivasan, FRTG Shri R. Karunakaran, MC&MFCG

Group Achievement Awards:

Development and Qualification of PFBR Steam Generator (PSGIS) and Inspection of Eight Steam Generators (SGs) using PSGIS

Shri Joseph Winston, FRTG, Group Leader

Dr. Arun Kumar Bhaduri, Dr. G. Amarendra, Dr. S. Murugan, Dr. B.P.C. Rao, Dr. C.K. Mukhopadhyay, Shri P.K. Chaurasia, Shri D. Jegadeesan, Shri S. Sakthivel, Shri P. Visweswaran, Shri Joel Jose, Shri K. Purushothaman, Shri M. Muthuganesh, Shri R. Ravikumar, Shri N. Mahendra Prabhu, Shri Manam Samba Siva Rao, Shri Rajesh Saxena, Shri R. Ramesh, Smt. T. Prabavathy, Dr. S. Thirunavukkarasu, Dr. B. Sasi, Shri V. Arjun, Dr. W. Sharat Chandra Singh, Shri Manoj Kumar Raja, Shri T.K. Haneef and Shri S. Arun Kumar, from MMG; Shri S. Athmalingam, Shri R. Sritharan and Shri R. Nandakumar from RDG; Shri P. Rajendra Prasad, Shri Vashistha Kumar Pandey, Shri Krishna Chaitanya Gudimella, Shri K. Akilan, Shri V. Rasaram, Shri K. Karthick, Shri B. Vasudevan, Shri E. Manigandan, Shri S. Manickam, Shri S. Sudhakar Naik and Shri B. Maruthan from BHAVINI

Development of Integrated Cold Trap for In Vessel Primary Sodium Purification

Shri G. Padmakumar, RD, MRPU (then FRTG), Group Leader

Dr. B.K. Nashine, Dr. J.I. Sylvia, Shri S. Chandramouli, Shri V. Ramakrishanan, Shri V. Vinod, Shri G. Vijayakumar, Shri Sarat Kumar Dash, Shri A. Ashok Kumar, Shri Prashant Sharma, Shri S. Ignatius Sundar Raj, Shri R. Rajendra Prasad, Shri Rakesh Kumar Mourya, Shri S.C.S P. Kumar Krovvidi, Shri M.G. Hemanath, Shri S. Krishnakumar, Shri J. Saravanan, Shri M. Anbucheliyan, Shri M. Anandaraj, Shri T.V. Maran, Shri S. Sathishkumar, Shri Vijay Singh Sikarwar, Shri B. Nagaraju, Shri S. Alexander Xavier, Shri S. Ravishankar, Shri D. Muralidhar, Shri D. Laxman, Shri Chatlal Thakur, Shri N. Venkatesan, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri P.R. Ashokkumar, Shri K. Arumugam, Shri Shaik Rafee, Shri M. Karthikeyan, Shri K. Ganesh, Shri M. Munikumar, Shri S. Ponthilagar, Shri N. Prem Anand, Shri S. Sarvanan, Shri G. Rathnachalam, Shri H. Rafiq Basha, Shri K. Ramesh, Shri V. Krishnamurthy, Shri V. Gunasekaran, Shri M. Kathiravan, Shri K. Mohan Raj, Smt. S. Nagajothi, Shri P. Chenthil Velmurugan, Shri C. Rajappan, Shri N. Sreenivas, Shri L. Eagambaram, Shri N. Mohan, Shri G. Anandan, Shri J. Prem, Shri K. Ravi, Shri A. Kolanjiappan, Shri Vijay Tirkey, Shri K.H. Anub, Shri J. Prabhakaran, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri S. Balakrishnan, Shri P. Lakshmayya, Shri P. Pothi, Shri Pitambar Padhan, Shri K.A. Bijoy, Shri A. Selvakumaran, Shri R. Iyyappan, Shri R. Parandaman and Smt. S. Saravana Priya from FRTG; Shri Makrand Rajhans from RMPAG; Shri S. Athmalingam and Shri V. Krishnamurthy from RDG

Design, Development and Performance Evaluation of Core Flow Measuring System for FBRs

Dr. V. Prakash, FRTG, Group Leader

Shri G. Padmakumar, Dr. C. Meikandamurthy, Shri V. Vinod, Shri S. Sureshkumar, Shri Sudheer Patri, Shri Muhammad Sabih, Smt. S. Narmadha, Shri N. Ravichandran, Shri Hadibandhu Singh, Shri C.N. Sridhar, Shri K. Balaji, Shri S. Balakrishnan, Shri Tribhuvan Ram, Shri D. Laxman, Shri M. Kathiravan, Shri V. Gunasekaran, Shri R. Rajendran, Shri N.S. Shivakumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri S. Rajkamal Singh, Shri K. Srinivasa Rao, Shri T.V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri Ramesh Kumar Sharma, Smt. S. Saravana Priya, Shri M. Anbuchelian, Shri C. Asokane, Shri S. Chandramouli, Shri P. Centhil Vel Murugan, Shri K. Arumugam, Shri N. Mohan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Muthu, Shri V. Krishnamoorthy, Shri I.B. Noushad, Shri V.A. Sureshkumar, Shri V.S.P. Babu, Shri K. Thanigairaj, Shri S. Kishore, Shri L.S. Sivakumar, Shri M. Ravishankar, Shri S.P. Pathak, Shri Vishal. D. Paunikar, Shri R. Kannan, Shri C.L. Thakur, Shri R.K. Sharma, Shri V. Elumalai, Shri P. Narayana Rao, Shri K.G. Radhakrishnan Unni, Shri K.V.S.S.N. Murthy, Shri V. Saravanan, Shri Sukanta Kumar Roy, Shri S. Suresh, Shri P. Hrishikesh, Shri Tirkey Vijay, Shri M. P. Sunny, Shri K. Sekar, Shri E. G. Prabakaran, Shri K. Sadiqbatcha, Shri N. Premanand, Shri G. Ratnachalam, Shri M. Munikumar, Shri C. Pavaderadjane, Shri A. Saravanan, Shri S. Saravanan, Shri K. Arulselvam, Shri S. Ponthilagar and Shri A. Elumalai from FRTG; Smt. R. Vijayashree, Shri B. Madhavan, Shri Sanjeev Kumar and Shri S. Arumugam from RDG; Shri K. Sasikumar, Shri K.G. Subramanian, Shri G.N. Chandrasekaran, Shri S. Kanagaraju, Shri B. Balagopal, Shri R. Ramesh, Shri K. Kamaludeen, Shri K. Amos, Shri D. Vinoth, Shri B. Dharmiah, Shri M. Ganesan, Shri V. Velu, Shri V. Govindaraj, Shri R. Vinoth and Shri V. Rajkumar from RFG. Shri G. Kempulraj, Shri B.S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri R. Tamilamuthan, Shri V. Rajendran, Shri J. Abilash, Shri S. Thiyagu, Shri E. Gothandan, Shri N. Dhanasekaran, Shri V. Kodiarasan, Shri L. Sivakumar, Shri M. Damodharan, Shri A. Gunasekaran, Shri B. Ramalingam, Shri K. Chakarapani, Shri S. Manimaran, Shri S. Ramesh and Shri C. Siva from ESG; Shri M. Sakthivel, Shri J. Selva Solomon and Shri A. Nageswaran from EIG; Shri M. Karthick from FRFCF; Shri Rajeev Ranjan Prasad from RDG; Shri B. Anandapadmanaban, Shri N. Raghu, Shri Saju T. Abraham, Shri P. Ramesh, Shri Uma Shankar, Shri B. Govindasamy, Shri D. Hensonraj, Shri K. Murugan, Smt. D. Chitra, Shri Krishna Chaitanya, Shri P. Narayana Rao, Shri D. Kuppusamy, Shri C. Muniyandi and Shri G. Vijaya Raghavan from HSEG; Shri M. Tenneyson, Shri M. Vijayaragavan, Smt. H. Rogaiya Banu, Shri J. Ranganathan, Shri M. D. Bakthavasthchalam and Smt. Padmini Rajan from MRPU

Development of Online Nuclear Emergency Response Decision Support System and Atmospheric Dispersion of Sodium Aerosols for Evaluation of Chemical Toxicity Towards SFR Safety

Dr. B. Venkatraman, HSEG, Group Leader

Dr. R. Baskaran, Dr. C.V. Srinivas, Dr. R. Venkatesan, Shri A. Bagavath Singh, Shri P.T. Rakesh, Dr. V. Subramanian, Shri V. Goopalakrishnan, Shri M.

Bhupati, Smt. Anju Kumari Dr. Amit kumar, Ms. Usha Pujala, Ms. Sujatha Pavan Narayanam from HSEG; Dr. B. K. Nashine, Shri B. Babu, Shri S. Chandramouli, Dr. J. I. Sylvia, Shri G.Vijayakumar, Shri A. Ashok Kumar, Shri R. Rajendra Prasad, Shri V. Ramakrishnan, Shri S. Krishnakumar, Shri D. Laxman, Shri V. Gunasekaran, Shri M. Kathiravan, Shri C. Rajappan, Shri R. Iyyappan, Shri K. Ramesh, Shri Vijay Tirkey, Shri V. Krishnamurthy, Shri Pitamber Padhan, Shri G. Anandan, Shri L. Muthu, Shri P. Lakshmayya, Dr. R. Ananthanarayanan, Shri M. Manogaran from FRTG

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Best Paper Awards

Synthesis of Fe₃O₄ Magnetic Nanoclusters using Microwave Reactor

Shri. S. Kalyani, Dr. S. Ayyappan and Dr. John Philip

National conference on Nanomaterials (NCN-2017), held at Namakkal during 20-21 July, 2017

Best Paper Award

Anomalous Behaviour of Calcium Chloride Melt Under Cathodic Polarisation Conditions

Ms. Anwesha Mukherjee and Dr. K. S. Mohandas

2nd International Conference on Electrochemical Science and Technology (ICONEST 2017), held at Bengaluru, during 10-12 August, 2017

Best Poster Award

Development of High Temperature Oxidation Resistant SiC interlayer for Ceramic Coating on High Density Graphite

Ms. B. Madhura, Shri. E. Vetrivendan, Dr. Ch. Jagadeeswara Rao, Dr. S. Ningshen and Dr. U. Kamachi Mudali

2nd International Conference on Electrochemical Science and Technology (ICONEST 2017), held at Bengaluru, during 10-12 August, 2017

Best Poster Award

Electrochemical Studies of Zirconium-702 in Concentrated Nitric Acid with and without Fluoride Ions

Dr. J. Jayaraj, Dr. S. Ningshen and Dr. U. Kamachi Mudali

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Best Poster Award

Effect of Dead Layer on The Efficiency of Planar Semiconductor Neutron Detectors

Shri Prasanna Gandhiraj, Shri Manoj Kumar Parida, Dr. K. Prabakar, Shri Raghuramaiah Manchi, Dr. S. Tripura Sundari, Dr. J. Jayapandian and Shri Chakram Sampathkumar Sundar

60th Institution of Electronics and Telecommunication Engineers (IETE) Annual Convention, 17 September, 2017

Best Paper Award

Biofilm Analysis on Cooling Waters of Fast Breeder Test Reactor using Advanced Molecular Tools

Dr. B. Anandkumar, Dr. R. P. George, Shri S. Lakshmanapandi, Shri S. Ramamoorthy and Dr. C. Mallika

International Conference on Corrosion-CORCON 2017 held at Mumbai during 17-20 September, 2017

Best Paper Award

Corrosion and Surface Film Characterization of TaNbHfZrTi High Entropy Alloy

Dr. J. Jayaraj, Shri C.Thinaharan, Dr. S. Ningshen, Dr. C. Mallika and Dr. U. Kamachi Mudali

International Conference on Corrosion CORCON-2017 held at Mumbai during 17-20 September, 2017

Best Paper Award

Signal Digitization using Voltage to Frequency Conversion for Wireless Sensor Node

Ms. Donia Maria Denny, Ms. K. Indumathi, Dr. S.Radha, Shri T.S. Shri Krishnan, Ms. Jemimah Ebenezer, Shri R.Jehadeesan

International conference on Recent Trends in Computing Technology (ICRTCT17) held at Bharath University, Selaiyur on 21 April, 2017

Best Paper Award

Creep behaviour of boron added modified 9Cr-1Mo steel weld joint

Shri T. Sakthivel and Dr. K. Laha

National Welding Meet - 2017, Indian Institute of Welding, Bengaluru, 12 - 13 May, 2017

Best Paper Award

Few of our colleagues participated in the "International Conference on Fast Reactors and Related Fuel Cycle: Next Generation Nuclear Systems for Sustainable Development (FR17)" held at Yekaterinburg, Russian Federation during 26-29 June, 2017.

The following two participants have won the "Young Innovator Challenge Award"

Shri S. Aravindan from RDG for "Development of Reverse Flow Blockage Device for Primary Sodium Pumps of Fast Breeder Reactor"

Shri Balija Sreenivasulu from MC&MFCG for "Development of Tri-iso-Amyl Phosphate (TiAP) based Solvent Extraction Process as an Alternate Method for the Processing of Metallic Alloy Fuels (U-Pu-Zr and UZr)"

Dr. M. Sai Baba has been conferred with Doctor of Science (Honoris Causa) by Dr. M.G.R. Educational and Research Institute University, Chennai for his outstanding contributions in the fields of Mass Spectrometry, Nuclear Engineering and Training School Programmes

Dr. Sandip Kumar Dhara has been elected as a Fellow of The Royal Society of Chemistry and has become a Member of American Physical Society

Best Paper/Poster Award

Scientific and Technical Excellence Award	Dr. Arup Dasgupta, MMG Dr. Awadhesh Mani, MSG Shri Sriramachandra Aithal, RDG
Young Engineer Award	Shri L. Suresh, RDG Shri Ranjit Jovin Cyriac, RDG Shri N. Subramanian, EIG
Meritorious Service Award	Shri D. M. Raut, RM&PAG Shri G. Munuswamy, CC
Meritorious Technical Support Award	Shri K. Ellappan, RFG Shri C. S. Rajasekharan Nair, RFG Shri S. Srinivasan, FRTG Shri R. Karunakaran, MC&MFCG

Group Achievement Awards:

Development and Qualification of PFBR Steam Generator (PSGIS) and Inspection of Eight Steam Generators (SGs) using PSGIS

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Bhupati, Smt. Anju Kumari Dr. Amit kumar, Ms. Usha Pujala, Ms. Sujatha Pavan Narayanam from HSEG; Dr. B. K. Nashine, Shri B. Babu, Shri S. Chandramouli, Dr. J. I. Sylvia, Shri G.Vijayakumar, Shri A. Ashok Kumar, Shri R. Rajendra Prasad, Shri V. Ramakrishnan, Shri S. Krishnakumar, Shri D. Laxman, Shri V. Gunasekaran, Shri M. Kathiravan, Shri C. Rajappan, Shri R. Iyyappan, Shri K. Ramesh, Shri Vijay Tirkey, Shri V. Krishnamurthy, Shri Pitamber Padhan, Shri G. Anandan, Shri L. Muthu, Shri P. Lakshmayya, Dr. R. Ananthanarayanan, Shri M. Manogaran from FRTG

Dr. Arun Kumar Bhaduri has been awarded GD Birla Gold Medal (2017) by Indian Institute of Metals on November 14, 2017 at the inaugural function of the 55th National Metallurgists Day Celebrations & 71st Annual Technical Meeting of the Institute held at BITS, Pilani, Goa

Dr. Arun Kumar Bhaduri has been conferred with Doctor of Science (Honoris Causa) by Jadavpur University, Kolkata based on his professional contribution to Science and Society, as a whole, at the Convocation program of the University on 24th December 2017

Dr. B. Venkatraman delivered Keynote lecture on Towards robust quality assurance through multi modal NDE integrated with modelling, simulation and image/singal analysis at 15th Asia Pacific conference on NDT (15th APCNDT), Singapore, held during November 13-17, 2017

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG have presented their case study and won the award Excellent (Silver category) in the National Convention on Quality Concepts held during December 1-4, 2017 at JSS Science and Technology University, Mysuru

Dr. B. P. C. Rao, MMG received the award for Best Technical Paper in R&D from ISNT for the article titled Multidimensional Basis Function Neural Network for Sizing Flaws from Eddy Current Images published during 2016 in Journal of Non-destructive Testing & Evaluation, on December 14, 2017

Best Paper/Poster Award

Compressibility Study of RE6 UO12 at Elevated Pressure and Temperature

Shri Balmukund Shukla, Dr. N R Sanjay Kumar, Dr. N. V. Chandra Shekar, Dr. H. Jena and Dr. S. Kalavathi
9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

High Pressure Spectroscopic Studies of Phase Transition in VO2

Ms. Raktima Basu, Shri K. K. Mishra, Dr. T. R. Ravindran and Dr. Sandip Kumar Dhara

9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

Luminescence Studies in Lithium Fluoride

Dr. U. Madhusoodanan, Shri P. Vinodkumar, Shri S. K. Panda, Shri N. Suriyamurthy and Dr. B. S. Panigrahi

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Best Paper Award

An Investigation on the Factors Influencing Creep Rupture Life of 316LN SS Weld Joints

Dr. V. D. Vijayanand, Dr. G.V. Prasad Reddy and Dr. K. Laha

Young Professional International Conference 2017/Weld PCT 2017 Organized by the International Institute of Welding held at Chennai during December 7-9, 2017

Best Paper Award

Neutron Radiography Examinations of Advanced Fast Reactor Fuels

Shri V. Anandaraj, Shri Ran Vijay Kumar, Dr. C. Padma Prabu, Dr. V. Karthik, Shri T. Johny and Dr. R. Divakar

National Conference on Non-destructive Evaluation NDE2017 held at Chennai during December 14-16, 2017

Best Paper Award

Dr. Arun Kumar Bhaduri, Distinguished Scientist and Director, IGCAR was conferred with the Distinguished Alumnus Award at the 63rd Convocation of Indian Institute of Technology-Kharagpur for his outstanding achievements. He is also the recipient of Dr. KCG Verghese Excellence Award for Lifetime Achievement from Hindustan Group of Institutions, Chennai

Dr. S. Ningshen, Corrosion Science and Technology Division, MMG received the Award for Excellence in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON-2017) held at Mumbai during September 17-20, 2017

Dr. A. Ravi Shankar, Corrosion Science & Technology Division, MMG received the Award for Distinction in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON 2017) held at Mumbai during September 17-20, 2017

Dr. Anish Kumar, Non-Destructive Evaluation Division, MMG has been selected as a Member of Scientific Advisory Committee to Science & Heritage Research Initiative, Department of Science and Technology (2017-2020)

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG had presented their case study and won the awards, Par Excellence in the Quality Circle Annual meet 2017 held on August 30, 2017 at SRI Covention Centre, Anupuram and placed in GOLD category in the 26th QC Convention of Chennai Chapter CCQCC-2017 held during September 9-10, 2017 at Sri Sairam Engineering College, Chennai.

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Development of Integrated Cold Trap for In Vessel Primary Sodium Purification

Shri G. Padmakumar, RD, MRPU (then FRTG), Group Leader

Dr. B.K. Nashine, Dr. J.I. Sylvia, Shri S. Chandramouli, Shri V. Ramakrishanan, Shri V. Vinod, Shri G. Vijayakumar, Shri Sarat Kumar Dash, Shri A. Ashok Kumar, Shri Prashant Sharma, Shri S. Ignatius Sundar Raj, Shri R. Rajendra Prasad, Shri Rakesh Kumar Mourya, Shri S.C.S P. Kumar Krovvidi, Shri M.G. Hemanath, Shri S. Krishnakumar, Shri J. Saravanan, Shri M. Anbucheliyan, Shri M. Anandaraj, Shri T.V. Maran, Shri S. Sathishkumar, Shri Vijay Singh Sikarwar, Shri B. Nagaraju, Shri S. Alexander Xavier, Shri S. Ravishankar, Shri D. Muralidhar, Shri D. Laxman, Shri Chatlal Thakur, Shri N. Venkatesan, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri P.R. Ashokkumar, Shri K. Arumugam, Shri Shaik Rafee, Shri M. Karthikeyan, Shri K. Ganesh, Shri M. Munikumar, Shri S. Ponthilagar, Shri N. Prem Anand, Shri S. Sarvanan, Shri G. Rathnachalam, Shri H. Rafiq Basha, Shri K. Ramesh, Shri V. Krishnamurthy, Shri V. Gunasekaran, Shri M. Kathiravan, Shri K. Mohan Raj, Smt. S. Nagajothi, Shri P. Chenthil Velmurugan, Shri C. Rajappan, Shri N. Sreenivas, Shri L. Eagambaram, Shri N. Mohan, Shri G. Anandan, Shri J. Prem, Shri K. Ravi, Shri A. Kolanjiappan, Shri Vijay Tirkey, Shri K.H. Anub, Shri J. Prabhakaran, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri S. Balakrishnan, Shri P. Lakshmayya, Shri P. Pothi, Shri Pitambar Padhan, Shri K.A. Bijoy, Shri A. Selvakumaran, Shri R. Iyyappan, Shri R. Parandaman and Smt. S. Saravana Priya from **FRTG**; Shri Makrand Rajhans from **RMPAG**; Shri S. Athmalingam and Shri V. Krishnamurthy from **RDG**

Design, Development and Performance Evaluation of Core Flow Measuring System for FBRs

Dr. V. Prakash, FRTG, Group Leader

Shri G. Padmakumar, Dr. C. Meikandamurthy, Shri V. Vinod, Shri S. Sureshkumar, Shri Sudheer Patri, Shri Muhammad Sabih, Smt. S. Narmadha, Shri N. Ravichandran, Shri Hadibandhu Singh, Shri C.N. Sridhar, Shri K. Balaji, Shri S. Balakrishnan, Shri Tribhuvan Ram, Shri D. Laxman, Shri M. Kathiravan, Shri V. Gunasekaran, Shri R. Rajendran, Shri N.S. Shivakumar, Shri Nagaraju Bekkenti, Shri K.H. Anub, Shri N. Mariappan, Shri S. Rajkamal Singh, Shri K. Srinivasa Rao, Shri T.V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri Ramesh Kumar Sharma, Smt. S. Saravana Priya, Shri M. Anbuchelian, Shri C. Asokane, Shri S. Chandramouli, Shri P. Centhil Vel Murugan, Shri K. Arumugam, Shri N. Mohan, Shri K. Ramesh, Shri Shaik Rafee, Shri L. Muthu, Shri V. Krishnamoorthy, Shri I.B. Noushad, Shri V.A. Sureshkumar, Shri V.S.P. Babu, Shri K. Thanigairaj, Shri S. Kishore, Shri L.S. Sivakumar, Shri M. Ravishankar, Shri S.P. Pathak, Shri Vishal. D. Paunikar, Shri R. Kannan, Shri C.L. Thakur, Shri R.K. Sharma, Shri V. Elumalai, Shri P. Narayana Rao, Shri K.G. Radhakrishnan Unni, Shri K.V.S.S.N. Murthy, Shri V. Saravanan, Shri Sukanta Kumar Roy, Shri S. Suresh, Shri P. Hrishikesh, Shri Tirkey Vijay, Shri M. P. Sunny, Shri K. Sekar, Shri E. G. Prabakaran, Shri K. Sadiqbatcha, Shri N. Premanand, Shri G. Ratnachalam, Shri M. Munikumar, Shri C. Pavaderadjane, Shri A. Saravanan, Shri S. Saravanan, Shri K. Arulselvam, Shri S. Ponthilagar and Shri A. Elumalai from **FRTG**; Smt. R. Vijayashree, Shri B. Madhavan, Shri Sanjeev Kumar and Shri S. Arumugam from **RDG**; Shri K. Sasikumar, Shri K.G. Subramanian, Shri G.N. Chandrasekaran, Shri S. Kanagaraju, Shri B. Balagopal, Shri R. Ramesh, Shri K. Kamaludeen, Shri K. Amos, Shri D. Vinoth, Shri B. Dharmiah, Shri M. Ganesan, Shri V. Velu, Shri V. Govindaraj, Shri R. Vinoth and Shri V. Rajkumar from **RFG**. Shri G. Kempulraj, Shri B.S. Ramesh Babu, Shri M. Krishnamoorthy, Shri V. Praveen Kumar, Shri S. Parivallal, Shri R. Tamilamuthan, Shri V. Rajendaran, Shri J. Abilash, Shri S. Thiyagu, Shri E. Gothandan, Shri N. Dhanasekaran, Shri V. Kodiarasan, Shri L. Sivakumar, Shri M. Damodharan, Shri A. Gunasekaran, Shri B. Ramalingam, Shri K. Chakarapani, Shri S. Manimaran, Shri S. Ramesh and Shri C. Siva from **ESG**; Shri M. Sakthivel, Shri J. Selva Solomon and Shri A. Nageswaran from **EIG**; Shri M. Karthick from **FRFCF**; Shri Rajeev Ranjan Prasad from **RDG**; Shri B. Anandapadmanaban, Shri N. Raghu, Shri Saju T. Abraham, Shri P. Ramesh, Shri Uma Shankar, Shri B. Govindasamy, Shri D. Hensonraj, Shri K. Murugan, Smt. D. Chitra, Shri Krishna Chaitanya, Shri P. Narayana Rao, Shri D. Kuppusamy, Shri C. Muniyandi and Shri G. Vijaya Raghavan from **HSEG**; Shri M. Tenneyson, Shri M. Vijayaragavan, Smt. H. Rogaiya Banu, Shri J. Ranganathan, Shri M. D. Bakthavasthchalam and Smt. Padmini Rajan from **MRPU**

Development of Online Nuclear Emergency Response Decision Support System and Atmospheric Dispersion of Sodium Aerosols for Evaluation of Chemical Toxicity Towards SFR Safety

Dr. B. Venkatraman, HSEG, Group Leader

Dr. R. Baskaran, Dr. C.V. Srinivas, Dr. R. Venkatesan, Shri A. Bagavath Singh, Shri P.T. Rakesh, Dr. V. Subramanian, Shri V. Goopalakrishnan, Shri M.

Bhupati, Smt. Anju Kumari Dr. Amit kumar, Ms. Usha Pujala, Ms. Sujatha Pavan Narayanam from HSEG; Dr. B. K. Nashine, Shri B. Babu, Shri S. Chandramouli, Dr. J. I. Sylvia, Shri G.Vijayakumar, Shri A. Ashok Kumar, Shri R. Rajendra Prasad, Shri V. Ramakrishnan, Shri S. Krishnakumar, Shri D. Laxman, Shri V. Gunasekaran, Shri M. Kathiravan, Shri C. Rajappan, Shri R. Iyyappan, Shri K. Ramesh, Shri Vijay Tirkey, Shri V. Krishnamurthy, Shri Pitamber Padhan, Shri G. Anandan, Shri L. Muthu, Shri P. Lakshmayya, Dr. R. Ananthanarayanan, Shri M. Manogaran from FRTG

Dr. Arun Kumar Bhaduri has been awarded GD Birla Gold Medal (2017) by Indian Institute of Metals on November 14, 2017 at the inaugural function of the 55th National Metallurgists Day Celebrations & 71st Annual Technical Meeting of the Institute held at BITS, Pilani, Goa

Dr. Arun Kumar Bhaduri has been conferred with Doctor of Science (Honoris Causa) by Jadavpur University, Kolkata based on his professional contribution to Science and Society, as a whole, at the Convocation program of the University on 24th December 2017

Dr. B. Venkatraman delivered Keynote lecture on Towards robust quality assurance through multi modal NDE integrated with modelling, simulation and image/singal analysis at 15th Asia Pacific conference on NDT (15th APCNDT), Singapore, held during November 13-17, 2017

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG have presented their case study and won the award Excellent (Silver category) in the National Convention on Quality Concepts held during December 1-4, 2017 at JSS Science and Technology University, Mysuru

Dr. B. P. C. Rao, MMG received the award for Best Technical Paper in R&D from ISNT for the article titled Multidimensional Basis Function Neural Network for Sizing Flaws from Eddy Current Images published during 2016 in Journal of Non-destructive Testing & Evaluation, on December 14, 2017

Best Paper/Poster Award

Compressibility Study of RE6 UO12 at Elevated Pressure and Temperature

Shri Balmukund Shukla, Dr. N R Sanjay Kumar, Dr. N. V. Chandra Shekar, Dr. H. Jena and Dr. S. Kalavathi
9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

High Pressure Spectroscopic Studies of Phase Transition in VO2

Ms. Raktima Basu, Shri K. K. Mishra, Dr. T. R. Ravindran and Dr. Sandip Kumar Dhara

9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Poster Award

Luminescence Studies in Lithium Fluoride

Dr. U. Madhusoodanan, Shri P. Vinodkumar, Shri S. K. Panda, Shri N. Suriyamurthy and Dr. B. S. Panigrahi

9th National Conference on Thermophysical properties 2017, held at IGCAR during November 6-8, 2017

Best Paper Award

An Investigation on the Factors Influencing Creep Rupture Life of 316LN SS Weld Joints

Dr. V. D. Vijayanand, Dr. G.V. Prasad Reddy and Dr. K. Laha

Young Professional International Conference 2017/Weld PCT 2017 Organized by the International Institute of Welding held at Chennai during December 7-9, 2017

Best Paper Award

Neutron Radiography Examinations of Advanced Fast Reactor Fuels

Shri V. Anandaraj, Shri Ran Vijay Kumar, Dr. C. Padma Prabu, Dr. V. Karthik, Shri T. Johny and Dr. R. Divakar

National Conference on Non-destructive Evaluation NDE2017 held at Chennai during December 14-16, 2017

Best Paper Award

Dr. Arun Kumar Bhaduri, Distinguished Scientist and Director, IGCAR was conferred with the Distinguished Alumnus Award at the 63rd Convocation of Indian Institute of Technology-Kharagpur for his outstanding achievements. He is also the recipient of Dr. KCG Verghese Excellence Award for Lifetime Achievement from Hindustan Group of Institutions, Chennai

Dr. S. Ningshen, Corrosion Science and Technology Division, MMG received the Award for Excellence in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON-2017) held at Mumbai during September 17-20, 2017

Dr. A. Ravi Shankar, Corrosion Science & Technology Division, MMG received the Award for Distinction in Corrosion Science & Technology for the year 2017, from NACE International Gateway India Section, (NIGIS) during Corrosion Conference and Expo (CORCON 2017) held at Mumbai during September 17-20, 2017

Dr. Anish Kumar, Non-Destructive Evaluation Division, MMG has been selected as a Member of Scientific Advisory Committee to Science & Heritage Research Initiative, Department of Science and Technology (2017-2020)

Shri A. Manivannan, Shri A.V. Vinod, Shri P. Ravisankar, Shri G. Saravanan, Shri S. Maharajan, Smt. R. Jayshree and Shri Madaka Santhosh of Fermi Quality Circle Team of MFFD, MFRG, MC & MFCG had presented their case study and won the awards, Par Excellence in the Quality Circle Annual meet 2017 held on August 30, 2017 at SRI Covention Centre, Anupuram and placed in GOLD category in the 26th QC Convention of Chennai Chapter CCQCC-2017 held during September 9-10, 2017 at Sri Sairam Engineering College, Chennai.



GOVERNMENT OF INDIA



DEPARTMENT OF ATOMIC ENERGY

EXCELLENCE IN SCIENCE, ENGINEERING & TECHNOLOGY AWARDS SCHEME

Scientific & Technical Excellence Award 2017

Dr. Rajesh Ganesan

Materials Chemistry Division
Materials Chemistry & Metal Fuel Cycle Group
Indira Gandhi Centre for Atomic Research, Kalpakkam

is conferred the Scientific & Technical Excellence Award for the year 2017 for his contribution to "the Development of Sensors for Liquid Sodium and Chemistry of Liquid Metals".

Dr: Rajesh Ganesan has developed chemical sensors for Liquid Sodium required in fast reactors. He has contributed to the development of technology and deployment of Electro Chemical Hydrogen Meter, Electro Chemical Oxygen Meter, Electro Chemical Carbon Meter and PZT based transducer for in-sodium viewing required in fast reactors. Dr Ganesan also studied the interaction of liquid lithium with various kinds of steels used in the shutdown system of a fast reactor. Dr. Ganesan also carried out thermodynamic studies relevant to pyrochemical reprocessing of metallic fuel and investigated the thermodynamic behavior of oxygen in liquid lead-bismuth based systems.

The Chairman, Atomic Energy Commission has great pleasure in presenting the "Scientific & Technical Excellence Award 2017" to Dr. Rajesh Ganesan in recognition of his outstanding contribution to the Departmental programme.

(K.N.Vyas)

Chairman, Atomic Energy Commission & Secretary to the Government of India

Shri Amit Kumar Mishra, Dr. B. B. Lahiri and Dr. John Philip

Best Poster Award

DAE Awards

Department of Atomic Energy has instituted annual awards for excellence in Science, Engineering and Technology in order to identify best performers in the area of Research, Technology Development and Engineering in the constituent units (other than Public Sector Undertakings and Aided Institutions). The Young Applied Scientist, Young Engineer, Young Technologist, Homi Bhabha Science and Technology Award and Scientific and Technical Excellence Award fall under this category. Group Achievement awards for recognition of major achievements by groups have also been instituted. Life-time Achievement Award is awarded to one who has made significant impact on the DAE's programmes. They are the icons for young scientists and engineers to emulate. The awards consist of a memento, citation and cash prize.

The recipients of the Awards from IGCAR for the year 2017 were:

Young Scientist Award	Dr. Amit Kumar, HSEG
Young Applied Scientist / Technologist Award	Shri J Christopher, MMG Shri Joel Jose, FRTG
Scientific and Technical Excellence Award	Dr A. Nagesha , MMG Dr Rajesh Ganesan, MC&MFCG Shri V. Vinod, FRTG
Young Engineer Award	Shri Kulbir Singh, RDG Shri S. Sathiskumar, FRTG Shri Muhammad Sabih, FRTG
Meritorious Service Award	Smt Hema Ravichandran, RFG Shri P. Jayabalan, CC
Meritorious Technical Support Award	Shri M. Muthukumaraswamy, RFG Shri R.Viswanathan, RFG K. Shyamala Devi, HSEG
Group Achievement Award	Smt L. Srivani, EIG Shri C.Meikandamurthy, FRTG Shri K.G.Subramanian, RFG

Group Achievement Awards:

Design, Development, Integration and Testing of a Indigenous Plutonium Continuous Air Monitor (PuCAM)

Ms. L. Srivani, EIG, Group Leader

Shri N. Anil, Shri Alok Kumar Gupta, Shri K. Elangovan, Shri K. Praveen and Shri M. Thangadurai from **EIG**; Shri J. Abilash, Shri P. Balakrishnan, Shri N. Chockalingam, Shri D. Dileep, Shri M. Krishnamoorthy, Shri C. Muthusamy, Shri A. Padmanabhan, Shri B. Ramalingam, Shri S. Ramesh, Shri P. Shanmugam, Shri C. Siva and Shri E. Venkatesan from **ESG**; Shri K. C. Ajoy, and Shri A. Dhanasekaran from **HSEG**; Dr. G. Raghavan from **MSG**; Shri Amit Kumar Dash, Shri D. Anandaraj, Shri Avik Kumar Saha, Shri R. Raghunath, Shri P. Vijayasekaran, Shri Geo Mathews, Shri P. Varadharajan, Shri S. Somasundaram and Shri Saju George from **RpG**; Shri C. R. Venkatasubramani, **RRF (Retired)**; Dr. V. Anita Topkar, Ms. Aggarwal Bharti, Shri H. H. Vaity, Shri C. P. Kulkarni, Shri S. Chakraborty, Shri M. M. Kuswarkar, Shri Mahesh Punna, Shri M. U. Pawar, Shri L. V. Murali Krishna, Ms. S. Padmini and Shri S. K. Patil from **E&IG, BARC**.

Identification and Replacement of failed Steam Generator for the first time in FBTR

Shri K. G. Subramanian, RFG, Group Leader

Shri K. V. Suresh Kumar, Shri A. Babu, Shri S. Sridhar, Shri P. V. Anilkumar, Shri D. Chandrasekaran, Shri M. Babu, Shri E. Ramesh, Shri M. Elango, Shri K. Ramachandran, Ms. Liji Jacob, Shri P. Ragothkumar, Shri G. Shanmugam, Shri N. Manimaran, Shri V. Alagudurai, Shri A. Suriyanarayanan, Shri D. Vignesh Babu, Shri R. Sekar, Shri N. Sampathkumar, Shri S. Kanagaraju, Shri P. Balamurali, Shri A. Ramamoorthy, Shri N. Ranjithkumar, Shri G. Kannan, Shri N. Kathiresan, Shri R. Desingu, Shri M. Karthikeyan, Shri J. Manikandan, Shri R. Vedhamanickam, Shri K. Kamaludeen, Shri R. Gopal, Shri M. Muthukumarasamy, Shri A. Nagalingam, Shri Syed Saleem, Shri C. Kannan, Shri M. Chittrarasu, Shri V. Velu, Shri V. Govindaraj, Shri M. Jayasankar, Shri N. Manivel, Shri G. Narayanassamy, Shri M. Sounder, Shri D. Jaisrinivasan, Shri A. Udaya Sankar, Shri N. Basavaiah, Ms. N. K Lakshmi, Ms. P. Thyyal Nayaghi, Ms. R. Vasanthi, Ms. S. Manjula, Shri Raghav Sharma, Shri A. Lakshmanan, Shri S. Sathis Kumar, Shri K. Perumal, Shri D. Gautham, Shri Sachin Kale, Shri Ashok D Hanimana, Shri M. S. Koteeswaran, Shri K. Prakash, Shri R. Vijayanand, Shri Vijayavarman, Shri S. Sathish, Shri D. Samayaraj, Shri S. Haridas, Shri Challa Ravikumar, Shri Shyam Ravikumar, Shri Manoj Kumar Agarwal, Shri Balamurugan, Shri P. Munuswamy, Shri Jayamoorthi, Shri M. Uthaman, Shri A. Thandavamurthy, Shri R. Balasubramaniyam, Shri K. Ganapathy Subramanian, Shri S. Sathish kumar, Shri A. M. Kannan, Shri B. Mohanarangan, Ashish D Jain Shri J. Sasikumar, Shri M. Thangamani, Shri D. Vinoth, Shri S. Joy, Shri K. Gopal, Ms. S. Anthoniammal, Shri D. Ezhilan, Shri V. Sreenivasan from **RFG**; Shri B. Anandapadmanaban, Shri N. Raghu, Shri G. Ramesh, Shri Saju T. Abraham, Ms. Alka Kumari, Shri P. Azhagesan, Ms. D. Chitra, Shri P. Narayana Rao, Shri Henson Raj, Shri D. Kuppasamy, Shri R. Rajesh and Shri G. Vijaya Raghavan from **HSEG**; Dr. B. P. C. Rao, Dr. A. Joseph, Dr. G. K. Sharma, Ms. T. Nivedha from **MMG**; Shri E. Premkumar from **RM&PAG**

Design, Manufacturing, Erection Commissioning and Operation of Sodium Facility for Component Testing (SFCT)

Dr. C. Meikandamurthy FRTG, Group Leader

Shri S. Chandramouli, Shri R. Punniyamoorthy, Shri A. Ashokkumar, Shri S. Ravishankar, Shri D. Muralidhar, Shri Parmanand Kumar, Shri A. Thirunavukkarasu, Shri C. Rajappan, Shri N. Sreenivas, Shri K. Arumugam, Shri P. R. Ashokkumar, Shri L. Eagambaram, Shri J. Prabhakaran, Shri M. Karthikeyan, Shri Shaik Rafee, Shri K. Ganesh, Shri Ashish Tiwari, Shri L. Mohanasundaram, Shri L. Muthu, Shri Vijay Tirkey, Shri G. Vijayakumar, Shri R. Rajendraprasad, Shri Gautam Anand, Shri R. Iyappan, Shri R. Parandaman, Shri S. Kannan, Shri P. Lakshmayya, Shri P. Pothi. Ms. M. Chandra, Shri P. Rajasundaram, Ms. P. Anitha, Shri M. V. Subramanya Deepak, Shri T. V. Maran, Shri K. Mohanraj, Shri A. Anthuvan Clement, Shri

K. Ramesh, Shri V. Ramakrishnan, Shri M. Anandaraj, Shri D. Laxman, Shri R. Rajendran, Shri S. Shanmugam, Shri H. Rafiq Basha, Shri M. Kathiravan, Shri K.A. Bijoy, Shri A. Selvakumaran, Dr. B. Babu, Shri T. Chandran, Ms. Shanthi Rajendran, Shri Rakesh Kumar Mourya, Shri S. Ignatius Sundar Raj, Shri S. C. S. P. Kumar Krovvidi, Shri A. Kolanjiappan, Shri R. Ramalingam, Shri J. Saravanan, Shri Anant Kumar, Shri V. Vinod, Shri M.G. Hemanath, Shri S. Sathishkumar, Shri Muhammad Sabih, Shri S. Balakrishnan, Shri S. Alexander Xavier, Shri N. Venkatesan, Shri P. Chenthilvelmurugan, Shri N. Mohan, Shri J. Prem, Shri V. Gunasekaran, Shri B.K. Nashine, Ms. S. Saravana Priya, Ms. Kamalambigai from **FRTG**; Shri N. Raghu, Shri G. Ramesh, Shri M. V. Kuppusamy, Shri C.B. Rajeev, Ms. D. Chitra, Shri Shri Krishna Tripathi, Shri Navtresh Bajpai, Shri D. Hensonraj, Shri P. Narayana Rao, Shri K. Murugan from **HSEG**; Shri N. Suresh, Shri H. I. Abdul Gani, Ms. R. Thilakavathy, Ms. K. Subhashini from **ESG**.

Dr. Shaju K. Albert, MEG, MMG has been inducted as **Associate Editor** of the Welding in the World, an Official Journal of International Institute of Welding

Dr. Anita Toppo, Corrosion Science & Technology Division (CSTD), MMG received "**Corrosion Awareness Award**  2018" for Distinction in Corrosion Science & Technology in Research & Education from NACE International Gateway India on October 02, 2018

Dr. R. Divakar, PIED, MMG has been conferred the Metallurgist of the year **Award in Metal Science** category for the year 2018 from the Ministry of Steel, Government of India

Dr. B. K. Sreedhar, Dr. Shaju K. Albert and Dr. A. B. Pandit have been awarded **Dr. S. Parthasarthy Memorial Award** for the year 2017 by Ultrasonics Society of India for the paper titled "Computation of Erosion Potential of Cavitation Bubbles in Ultrasonic Pressure Field" published in Journal of pure and applied ultrasonics. 39 (2017) 60-69. The award was presented on November 12, 2018 by Ultrasonics Society of India

Detection of Hydrogen Assisted Cracking Susceptibility in Modified 9Cr-1Mo Steel Welds by Acoustic Emission Technique

Dr. Gopa Chakraborty, Shri O. Venkata Ramana, Shri T. K. Haneef, Dr. Shaju K. Albert, Dr. Babu Rao Jinugu, **Dr. C. K. Mukhopadhyay** and Dr. B. P. C. Rao Presented at the International Congress 2017 (IC-2017) held at the Chennai Trade Centre, Chennai during December 7-9, 2017, has been adjudged the winner of **Sharp Tools Award - 2018** by the Indian Institute of Welding. The award was presented on December 13, 2018

Dr. C.K. Mukhopadhyay, NDED, MMG received **ISNT National NDT Award in R & D** during National Seminar on NDE (NDE-2018) at Mumbai, December 19-21, 2018

National QC Meet (NCQC -2018) at IIIT, Gwalior, December 19-24, 2018 Shri A. Mainvannan, Ms. Dinu Shaji, Shri G. Saravanan, Shri S. Maharajan, Ms. R. Jayashree and Shri M. Santosh FERMI team of MFFD, MC&MFCG received "**Par Excellence**" award for the case study presentation on "Minimizing the Downtime in Sodium Bonding Furnace"

Shri R. R. Shridharan, Shri D. Alagar, Shri E. Radha, Shri D. Seenivasan, Shri M. S. Murugappa and Shri V. Nandakumar EXCEL team of PPED, MC&MFCG received "**Excellence**" award for the case study presentation on "Reduction of Interruption Time in Nitrogen Generation System (NGS) Furnace"

Shri K. Murugan, Shri P. Azhagesan, Shri S.P. Manivannan, Shri D. Suresh, Shri P. Ettiyappan and Shri P. Chentil Kumar, QAD, HSEG, 5S Team, received "**Par Excellence Award**" for the Case Study Presentation titled "Guide for Ultrasonic Examination of Nozzle Welds"

Best Paper/Poster Award

Interdisciplinary Symposium on Material Science 2018 (ISMC 2018) held in BARC, Mumbai, December 4-8, 2018 **Development of Yttria Coating on the Inner Surface of Quartz Tube for Metal Alloy Casting** Shri M. Rahman Mollah, Shri A. V. Vinod and Dr. Soumen Das **Laser Ablated Thin Films of PbS for Ammonia Sensing under Inert Ambient** Ms. T. V. Beatrice Veena, Dr. E. Prabhu and Dr. K. I. Gnanasekar **Preliminary Studies on the Oxidation of Rare Earth (La, Gd) Chlorides in LiCl-KCl** Shri Pabitra Ghosh, Dr. Manish Chandra, Shri P. Venkatesh, Dr. K. S. Mohandas and Dr. B. Prabhakara **Reddy Best Poster Awards**

CORCON 2018, held during September 30 - October 03, 2018 in Jaipur **A Novel Chitosan/Ag/Go Composite Coating with Enhanced Antibacterial Activity and Improved Corrosion Resistance** Ms. Geetisubhra Jena, Dr. B. Anandkumar, Dr. S. C. Vanithakumari, Dr. Rani P. George, Dr. John Philip and Dr. G. Amarendra **High Performance Green Concrete with Improved Biodeterioration Resistance against Fungus Fusarium** Shri Manu Harilal, Ms. Sudha Uthaman, Dr. B. Anandkumar, Dr. Rani P. George, Dr. John Philip and Dr. G. Amarendra **Best Poster Awards** **Self - healing Plasma Spray Coatings on Graphite for High Temperature Applications** Ms. B. Madhura, Shri E. Vetrivendan, Dr. Ch. Jagadeeshwara Rao and Dr. S. Ningshen **Best Paper Award**

Ms. Alphy George, PMD, MMG received the **FSM-YSA (International Federation of Societies for Microscopy-Young Scientist) Award** in IMC-19 (19th International Microscopy Congress) held during September 9-14, 2018, at International Convention Centre (ICC), Sydney, Australia.

Ms. Alphy George, PMD, MMG received the **Micrography Contest Award** in International Conference on Microscope and XXXIX Annual Meeting of Electron Microscope Society of India held during July 18 - 20, 2018 at Mayfair Convention Center, Bhubaneswar, Odisha (EMSI-2018).

Ms. S. Rajeswari Head, SIRD, RMPAG has been awarded the **Best Organiser Award-2018** by the Madras Library Association (MALA), Chennai

Best Paper/Poster Award

Theoretical and experimental study of Structural Characteristics in Equiatomic CrFeMoV Alloy

Shri. A. Saikumar, Dr. R. Mythili, Dr. S. Saroja, Dr. Rajesh Ganesan

International Conference on Microscope and XXXIX Annual Meeting of Electron Microscope Society of India, 18-20 July, 2018 at Mayfair Convention Center, Bhubaneswar, Odisha (EMSI-2018)

Best Poster Award

Effect of Nitrogen on Precipitation in SS 316LN during Long Term Thermal Ageing

Ms. Alphy George, Dr. R. Mythili, Dr. Arup Dasgupta, Dr. J. Ganesh Kumar and Dr. G.V. Prasad Reddy

K. Ramesh, Shri V. Ramakrishnan, Shri M. Anandaraj, Shri D. Laxman, Shri R. Rajendran, Shri S. Shanmugam, Shri H. Rafiq Basha, Shri M. Kathiravan, Shri K.A. Bijoy, Shri A. Selvakumaran, Dr. B. Babu, Shri T. Chandran, Ms. Shanthi Rajendran, Shri Rakesh Kumar Mourya, Shri S. Ignatius Sundar Raj, Shri S. C. S. P. Kumar Krovvidi, Shri A. Kolanjiappan, Shri R. Ramalingam, Shri J. Saravanan, Shri Anant Kumar, Shri V. Vinod, Shri M.G. Hemanath, Shri S. Sathishkumar, Shri Muhammad Sabih, Shri S. Balakrishnan, Shri S. Alexander Xavier, Shri N. Venkatesan, Shri P. Chenthilvelmurugan, Shri N. Mohan, Shri J. Prem, Shri V. Gunasekaran, Shri B.K. Nashine, Ms. S. Saravana Priya, Ms. Kamalambigai from **FRTG**; Shri N. Raghu, Shri G. Ramesh, Shri M. V. Kuppusamy, Shri C.B. Rajeev, Ms. D. Chitra, Shri Shri Krishna Tripathi, Shri Navtresh Bajpai, Shri D. Hensonraj, Shri P. Narayana Rao, Shri K. Murugan from **HSEG**; Shri N. Suresh, Shri H. I. Abdul Gani, Ms. R. Thilakavathy, Ms. K. Subhashini from **ESG**.

Dr. **Shaju K. Albert**, MEG, MMG has been inducted as **Associate Editor** of the Welding in the World, an Official Journal of International Institute of Welding

Dr. Anita Toppo, Corrosion Science & Technology Division (CSTD), MMG received "**Corrosion Awareness Award**  2018" for Distinction in Corrosion Science & Technology in Research & Education from NACE International Gateway India on October 02, 2018

Dr. R. Divakar, PIED, MMG has been conferred the Metallurgist of the year **Award in Metal Science** category for the year 2018 from the Ministry of Steel, Government of India

Dr. B. K. Sreedhar, Dr. **Shaju K. Albert** and Dr. A. B. Pandit have been awarded **Dr. S. Parthasarthy Memorial Award** for the year 2017 by Ultrasonics Society of India for the paper titled "Computation of Erosion Potential of Cavitation Bubbles in Ultrasonic Pressure Field" published in Journal of pure and applied ultrasonics. 39 (2017) 60-69. The award was presented on November 12, 2018 by Ultrasonics Society of India

Detection of Hydrogen Assisted Cracking Susceptibility in Modified 9Cr-1Mo Steel Welds by Acoustic Emission Technique

Dr. Gopa Chakraborty, Shri O. Venkata Ramana, Shri T. K. Haneef, **Dr. Shaju K. Albert**, Dr. Babu Rao Jinugu, Dr. C. K. Mukhopadhyay and Dr. B. P. C. Rao Presented at the International Congress 2017 (IC-2017) held at the Chennai Trade Centre, Chennai during December 7-9, 2017, has been adjudged the winner of **Sharp Tools Award - 2018** by the Indian Institute of Welding. The award was presented on December 13, 2018

Dr. C.K. Mukhopadhyay, NDED, MMG received **ISNT National NDT Award in R & D** during National Seminar on NDE (NDE-2018) at Mumbai, December 19-21, 2018

National QC Meet (NCQC -2018) at IIIT, Gwalior, December 19-24, 2018 Shri A. Mainvannan, Ms. Dinu Shaji, Shri G. Saravanan, Shri S. Maharajan, Ms. R. Jayashree and Shri M. Santosh FERMI team of MFFD, MC&MFCG received "**Par Excellence**" award for the case study presentation on "Minimizing the Downtime in Sodium Bonding Furnace"

Shri R. R. Shridharan, Shri D. Alagar, Shri E. Radha, Shri D. Seenivasan, Shri M. S. Murugappa and Shri V. Nandakumar EXCEL team of PPED, MC&MFCG received "**Excellence**" award for the case study presentation on "Reduction of Interruption Time in Nitrogen Generation System (NGS) Furnace"

Shri K. Murugan, Shri P. Azhagesan, Shri S.P. Manivannan, Shri D. Suresh, Shri P. Ettiyappan and Shri P. Chentil Kumar, QAD, HSEG, 5S Team, received "**Par Excellence Award**" for the Case Study Presentation titled "Guide for Ultrasonic Examination of Nozzle Welds"

Best Paper/Poster Award

Interdisciplinary Symposium on Material Science 2018 (ISMC 2018) held in BARC, Mumbai, December 4-8, 2018 **Development of Yttria Coating on the Inner Surface of Quartz Tube for Metal Alloy Casting** Shri M. Rahman Mollah, Shri A. V. Vinod and Dr. Soumen Das **Laser Ablated Thin Films of PbS for Ammonia Sensing under Inert Ambient** Ms. T. V. Beatrice Veena, Dr. E. Prabhu and Dr. K. I. Gnanasekar **Preliminary Studies on the Oxidation of Rare Earth (La, Gd) Chlorides in LiCl-KCl** Shri Pabitra Ghosh, Dr. Manish Chandra, Shri P. Venkatesh, Dr. K. S. Mohandas and Dr. B. Prabhakara **Reddy Best Poster Awards**

CORCON 2018, held during September 30 - October 03, 2018 in Jaipur **A Novel Chitosan/Ag/Go Composite Coating with Enhanced Antibacterial Activity and Improved Corrosion Resistance** Ms. Geetisubhra Jena, Dr. B. Anandkumar, Dr. S. C. Vanithakumari, Dr. Rani P. George, Dr. John Philip and Dr. G. Amarendra **High Performance Green Concrete with Improved Biodeterioration Resistance against Fungus Fusarium** Shri Manu Harilal, Ms. Sudha Uthaman, Dr. B. Anandkumar, Dr. Rani P. George, Dr. John Philip and Dr. G. Amarendra **Best Poster Awards** **Self - healing Plasma Spray Coatings on Graphite for High Temperature Applications** Ms. B. Madhura, Shri E. Vetrivendan, Dr. Ch. Jagadeeshwara Rao and Dr. S. Ningshen **Best Paper Award**

Ms. Alphy George, PMD, MMG received the **FSM-YSA (International Federation of Societies for Microscopy-Young Scientist) Award** in IMC-19 (19th International Microscopy Congress) held during September 9-14, 2018, at International Convention Centre (ICC), Sydney, Australia.

Ms. Alphy George, PMD, MMG received the **Micrography Contest Award** in International Conference on Microscope and XXXIX Annual Meeting of Electron Microscope Society of India held during July 18 - 20, 2018 at Mayfair Convention Center, Bhubaneswar, Odisha (EMSI-2018).

Ms. S. Rajeswari Head, SIRD, RMPAG has been awarded the **Best Organiser Award-2018** by the Madras Library Association (MALA), Chennai

Best Paper/Poster Award

Theoretical and experimental study of Structural Characteristics in Equiatomic CrFeMoV Alloy

Shri. A. Saikumar, Dr. R. Mythili, Dr. S. Saroja, Dr. Rajesh Ganesan

International Conference on Microscope and XXXIX Annual Meeting of Electron Microscope Society of India, 18-20 July, 2018 at Mayfair Convention Center, Bhubaneswar, Odisha (EMSI-2018)

Best Poster Award

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Ms. Alphy George, Dr. R. Mythili, Dr. Arup Dasgupta, Dr. J. Ganesh Kumar and Dr. G.V. Prasad Reddy

के. जयकुमार
K. Jayakumar



अध्यक्ष, योजना एवं समन्वय प्रभाग
ज्ञान प्रबन्धन वर्ग
सचिव, टी.सी. एवं टी.एस.सी.
भाभा परमाणु अनुसंधान केंद्र
Head, Planning & Coordination Division
Knowledge Management Group
Secretary, TC&TSC
Bhabha Atomic Research Centre

Ref:10(09)/PD-PR/STEA-2018/2019/69

October 09, 2019.

Dear Dr. Ningshen,

On behalf of Chairman, AEC and Director, BARC, I have great pleasure in informing you that you have been selected for the **SCIENTIFIC & TECHNICAL EXCELLENCE AWARD** for the year 2018 in recognition of your outstanding contributions under DAE (Excellence in Science, Engineering & Technology) Award Scheme. We congratulate you on this achievement.

The award consists of a Citation, Medal and a Cash amount of Rs. 1,00,000/-. The award will be presented to you on **Wednesday 30th October 2019** which is celebrated as the Founder's Day in BARC. The presentation of award to you will be done in the Central Complex Auditorium of BARC on that day.

With best wishes,

Yours sincerely,

(K. Jayakumar)

Dr. Sublime Ningshen,
SO G, CSTD/MCG/MMG, MMG,
IGCAR

CC: Dr. A. K. Badhuri, Director, IGCAR
Dr. G. Amarendra, DIRECTOR MMG, MMG, MMG, IGCAR

