

### List of Prize / Award Winners 2017

Sl. No.	Name of Prizes/Awards	Divn.	Author(s)	Title of the Paper	Publication Details
1.	<b>President of India's Prize</b>	<b>AS</b>	Syed Khaleelullah Utsav Bhardwaj Rajkumar Sureshchandra Pant	Design, Fabrication and Testing of Mooring Masts for Remotely Controlled Indoor and Outdoor Airships	Volume 97 Series C / Issue 2 Page 257
2.	<b>The Institution Prize (2 Nos.)</b>	<b>CV</b>	Pabitra Rajbongshi Sonika Thongram	An Approach for Nonlinear Fatigue Damage Evaluation in Asphalt Pavements	Volume 97 Series A / Issue 3 Page 191
		<b>MM</b>	Debasish Chatterjee	A Novel Tundish for Single Strand Slab Casting	Volume 97 Series D / Issue 2 Page 105
3.	<b>K F Antia Memorial Prize</b>	<b>AG</b>	Shakir Ali	Estimation of Time Variant Water Availability and Irrigation Potential of Small Ponds in a Semi-arid Region of Rajasthan, India	Volume 97 Series A / Issue 1 Page 43
4.	<b>Corps of Engineers Prize</b>	<b>MR</b>	Obla Ramanandam Nandagopan Santharam Ranjithkumar Chirayil Gopalakrishnannair Nandakumar	Shock Analysis of Water Backed Perforated Plate Subjected to Underwater Explosion	Volume 97 Series C / Issue 3 Page 291
5.	<b>The Institution Prize [Donated by Col G N Bajpai]</b>	<b>MC</b>	Kavithaa Thirumalai Subramanian Natchimuthu Balashanmugam Panaghra Veeraiah Shashi Kumar	Nanometric Finishing on Biomedical Implants by Abrasive Flow Finishing	Volume 97 Series C / Issue 1 Page 55
6.	<b>Railway Board's 1st Prize</b>	<b>CV</b>	Avijit Gangopadhyay Aparna Dey Ghosh	Seismic Retrofitting of an Existing Steel Railway Bridge by Fluid Viscous Dampers	Volume 97 Series A / Issue 3 Page 291

7.	<b>Railway Board's 2nd Prize</b>	<b>EL</b>	S S Murthy Bhim Singh Vuddanti Sandeep	Experience in Developing a Single-Phase Two Winding 5 kW Self-excited Induction Generator for Off-Grid Renewable Energy Based Power Generation	Volume 97 Series B / Issue 2 Page 127
8.	<b>E P Nicolaides Prize</b>	<b>CV</b>	Paresh V Patel Vishnu H Jariwala Sharadkumar P Purohit	Torsional Strengthening of RC Beams Using GFRP Composites	Volume 97 Series A / Issue 3 Page 313
9.	<b>John C Gammon Prize</b>	<b>CV</b>	A K Verma T N Singh Nikhil Kumar Chauhan K Sarkar	A Hybrid FEM-ANN Approach for Slope Instability Prediction	Volume 97 Series A / Issue 3 Page 171
10.	<b>Corps of Electrical and Mechanical Engineers' Prize</b>	<b>EL</b>	S Vijayalekshmy G R Bindu S Rama Iyer	Performance Improvement of Partially Shaded Photovoltaic Arrays under Moving Shadow Conditions through Shade Dispersion	Volume 97 Series B / Issue 4 Page 569
11.	<b>Union Ministry of Water Resources — Department of Irrigation Prize</b>	<b>CV</b>	Sirajul Islam Bipul Talukdar	A Linked Simulation–Optimization (LSO) Model for Conjunctive Irrigation Management using Clonal Selection Algorithm	Volume 97 Series A / Issue 3 Page 181
12.	<b>Union Ministry of Energy — Department of Power Prize</b>	<b>EL</b>	Harish Kumar Verma Cheshta Jain	A Novel Hybrid Statistical Particle Swarm Optimization for Multimodal Functions and Frequency Control of Hybrid Wind-Solar System	Volume 97 Series B / Issue 3 Page 281

13.	<b>Sir Arthur Cotton Memorial Prize</b>	<b>CV</b>	Hemraj Ramdas Kumavat	An Experimental Investigation of Mechanical Properties in Clay Brick Masonry by Partial Replacement of Fine Aggregate with Clay Brick Waste	Volume 97 Series A / Issue 3 Page 199
14.	<b>Dr Jai Krishna Prize</b>	<b>CV</b>	A Manchalwar S V Bakre	Performance of RC Structures Equipped with Steel and Aluminium X-Plate Dampers	Volume 97 Series A / Issue 4 Page 415
15.	<b>Sir Rajendra Nath Mookerjee Memorial Prize</b>	<b>MC</b>	Chellapilla V K N S N Moorthy Vadapalli Srinivas	Corrosion and Heat Transfer Characteristics of Water Dispersed with Carboxylate Additives and Multi Walled Carbon Nano Tubes	Volume 97 Series C / Issue 4 Page 569
16.	<b>Paidit Madan Mohan Malaviya Memorial Prize</b>	<b>EL</b>	Aniket Datta G Narayanan	Measurement of Parasitic Inductances in the Bus-Bar Assembly of a High Power Voltage Source Converter	Volume 97 Series B / Issue 4 Page 537
17.	<b>Sir Thomas Ward Memorial Prize</b>	<b>ET</b>	K Usha K Jeya Sankar	Performance Analysis of New Binary User Codes for DS-CDMA Communication	Volume 97 Series B / Issue 1 Page 61
18.	<b>Shrimati Saroma Sanyal Memorial Prize</b>	<b>EN</b>	Tabish Alam Kishore Kulkarni	Municipal Solid Waste Management and its Energy Potential in Roorkee City, Uttarakhand, India	Volume 97 Series A / Issue 1 Page 9
19.	<b>Nawab Zain Yar Jung Bahadur Memorial Prize</b>	<b>EN</b>	Malabika Biswas Roy Pankaj Kumar Roy Nihar Ranjan Samal Asis Mazumdar	A Comparative Study of Labour Participation in Three Wetland Regions of West Bengal, India	Volume 97 Series A / Issue 2 Page 81

20.	<b>Sir Ganga Ram Memorial Prize</b>	<b>CH</b>	Sudev Das Swapan Bhaumik	The Effect of Coating Thickness and Roughness of Nucleate Pool Boiling Heat Transfer on Nanoparticle Coated Surface	Volume 97 Series E / Issue 1 Page 55
21.	<b>N K Iyengar Memorial Prize</b>	<b>MC</b>	Pikesh Bansal Ajit Kumar Chattopadhyay Vishnu Prakash Agrawal	Steady State Performance Characteristics of Micropolar Lubricated Hydrodynamic Journal Bearings with Flexible Liner	Volume 97 Series C / Issue 2 Page 195
22.	<b>Dr Triguna Charan Sen Prize</b>	<b>TX</b>	N C Ray A Mukhopadhyay V K Midha	Response of Slub Characteristics on Tensile Properties of Injected Slub Yarn	Volume 97 Series E / Issue 1 Page 47
23.	<b>Brij Mohan Lal Memorial Prize</b>	<b>CV</b>	P Kamatchi K Rama Raju K Ravisankar Nagesh R Iyer	Design of Visco-Elastic Dampers for RC Frame for Site-Specific Earthquake	Volume 97 Series A / Issue 4 Page 359
24.	<b>Prof R C Singh Prize</b>	<b>EN</b>	R K Singh N C Gupta B K Guha	Fly Ash Disposal in Ash Ponds: A Threat to Ground Water Contamination	Volume 97 Series A / Issue 3 Page 255
25.	<b>Tata Rao Prize</b>	<b>EL</b>	Ashwani Kumar Sharma Ram Kumar Mittapalli Yash Pal	FACTS Devices Cost Recovery During Congestion Management in Deregulated Electricity Markets	Volume 97 Series B / Issue 3 Page 339
26.	<b>Rekha Nandi and Bhupesh Nandi Prize</b>	<b>EN</b>	P V S Giri Babu G Swaminathan	Comparative Study on Synergetic Degradation of a Reactive Dye Using Different Types of Fly Ash in Combined Adsorption and Photocatalysis	Volume 97 Series A / Issue 3 Page 239

27.	<b>Suchit Kumar Ghosh Memorial Prize</b>	<b>CV</b>	P Ramachandra Reddy Kovvuri Anil Sawhney Ritu Ahuja Aiswarya Sreekumar	Efficient Project Delivery Using Lean Principles - An Indian Case Study	Volume 97 Series A / Issue 1 Page 19
28.	<b>Aerospace Engineering Division Prize</b>	<b>AS</b>	Kolandapaiyan Vijayakumar Uttam Chandrasekhar Nagaraj Chandrashekhar	Aerodynamic Analysis of Flexible Flapping Wing Micro Aerial Vehicle Using Quasi-Steady Approach	Volume 97 Series C / Issue 4 Page 497
29.	<b>Agricultural Engineering Division Prize</b>	<b>AG</b>	Vivek Kumar H K Sharma K Singh	Mathematical Modeling of Thin Layer Microwave Drying of Taro Slices	Volume 97 Series A / Issue 1 Page 53
30.	<b>Architectural Engineering Division Prize</b>	<b>AR</b>	Sukanya Ghosh Souvanic Roy Manas Kumar Sanyal	Soft System Methodology as a Tool to Understand Issues of Governmental Affordable Housing Programme of India: A Case Study Approach	Volume 97 Series A / Issue 3 Page 343
31.	<b>Computer Engineering Division Prize</b>	<b>CP</b>	Ch. Rupa	A Novel Approach in Security Using Gyration Slab with Watermarking Technique	Volume 97 Series B / Issue 3 Page 273
32.	<b>Marine Engineering Division Prize</b>	<b>MR</b>	Kambagowni Venkata Subbaiah Koneru Yeshwanth Sai Challa Suresh	QFD-ANP Approach for the Conceptual Design of Research Vessels: A Case Study	Volume 97 Series C / Issue 4 Page 539
33.	<b>Metallurgical and Materials Engineering Division Prize</b>	<b>MM</b>	Satendra Kumar Mrigendra Singhai Rahul Desai Srimanta Sam Pradip Kumar Patra	Development of Advanced High Strength Steel for Improved Vehicle Safety, Fuel Efficiency and CO <sub>2</sub> Emission	Volume 97 Series D / Issue 2 Page 153

34.	<b>Dr Rajendra Prasad Memorial Prize</b>	<b>MN</b>	Sandi Kumar Reddy Vedala Rama Sastry	Stress Distribution on Blasting Gallery Barrier Pillar due to Goaf Formation During Extraction	Volume 97 Series D / Issue 2 Page 205
35.	<b>Production Engineering Division Prize</b>	<b>PR</b>	Nilrudra Mandal Biswanath Doloi Biswanath Mondal	Surface Roughness Prediction Model using Zirconia Toughened Alumina [ZTA] Turning Inserts : Taguchi Method and Regression Analysis	Volume 97 Series C / Issue 1 Page 77
36.	<b>SAIL Award 2017</b>	–	Subir Bhattacharya Sanjay Sen M. R Kumar U. K. Vishwakarma	Growth of India's Steel Sector Amidst Global Overcapacity: Challenges for 300 MT Steel Vision	–
37.	<b>Dr M Visvesvaraya Award 017</b>	–	Subhra Dhara Somnath Kumar	Sustainability of Steel in the Transition to a Low Carbon Economy	–
38.	<b>Coal India (J G Kumaramangalam Memorial) Award 2017</b>	–	G. Venkateswara Rao G V S Nageswara Rao Rajan Kumar	Safety Culture Promotional Strategy for Large Coal Mining Company – Indian Perspective	–
39.	<b>H Nandy Memorial Award</b>	–	Ashok Kumar	For being the topper in Section B Examination in Materials and Metallurgical Engineering discipline of the Institution considering both Summer 2016 and Winter 2016 Examinations	