

# **Indo-German Conference on Sustainability**

Exploring planetary boundaries and their challenges and opportunities

Organized by
Indo-German Centre for Sustainability (IGCS)
27 – 28 February 2016
IC&SR Building,
Indian Institute of Technology Madras

# TECHNICAL PROGRAM



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#### **Programme**

February 27, 2016

Registration: 8:30 to 9:00 am

**Inaugural Session** Venue: ICSR Auditorium

09.00 am-10.45 am

(Details of Inaugural Session will be provided in due course)



February 27, 2016
Auditorium: Key Note Address-1 10.45 am -11.30 am Moderator: Prof. B.S. Murty, IIT Madras

10.45-11.30 am Noon	Keynote Address	Prof P.P. Mujumdar, Chairman, Interdisciplinary Centre for Water Research, IISc, Bangalore.
Time Slot	Technical Session-1.1 Topic: Energy and Power (3 Papers) 11.30 am – 12.30 pm Chairman:	Title
11.30 am – 11.50 am	Hermanns and Klaus Lucka (OWI Oel-Waerme-Institute GmbH,	Topic: Micro-emulsions - microbial stabilization and growth on biogenic fuels (1570211091)
11.50 pm –12.10 pm	(Indian Institute of Technology Madras, India)	Topic: Post Oxy-fuel CO2 Enrichment for CCS of Coal- fired Power Plants (1570208591)
12.10 pm –12.30 pm	Pallavi Bharadwaj and Vinod John (Indian Institute of Science, India)	Topic: Cost Benefit Comparison of Grid-tied and Dual Mode PV System Considering Grid Outage Duration (1570206445)
12.30 pm – 1.30 pm	Lunch at AC Dining Hall	1



Time Slot	February 27, 2016  Technical Session-1.2, Hall-1  11.30 am – 12.30 pm  Topic: Waste Management (3 Papers) Chair: Dr. P. Sasidhar, IGCS, IIT Madras	Title
11.30 am – 11.50 am		Topic: Avoiding food waste - a measure for sustainability (1570181489)
11.50 pm –12.10 pm	Anu Thomas (Indian Institute of Technology Madras, India); Ligy	Topic: Optimization of bulking materials for Co-composting of septage ( 1570183813)
12.10 pm –12.30 pm	Max Juraschek (Technische Universität Braunschweig, Germany); Vikrant Bhakar (Birla Institute of Technology and Science, India); Gerrit Posselt, Alexander Kaluza, Stefan Böhme and Christoph	Topic: Recycling of plastic waste using fused deposition modeling as a production process (1570184267)
12.30 pm – 1.30 pm	Lunch at AC Dining Hall	



Time Slot	February 27, 2016  Technical Session-1.3, Hall-2  11.30 am – 12.30 pm  Topic: Land Use (3 Papers)  Chair: Dr. Mohan Kanda, IGCS IIT Madras	Title
11.30 am – 11.50 am	Talk by <b>Prof. Peter Fiener</b> Peter Fiener (University Augsburg, Germany)	Topic: Land use induced potential for carbon sequestration in South India – lessons learned from a detailed soil organic carbon survey in an intensively used catchment in Tamil Nadu (1570179793)
11.50 pm –12.10 pm	Talk by <b>Mrs Neha Madan</b> Neha Madan (College of Engineering Pune, India)	Topic: Land Management strategies for sustainable urban growth- Case Study Pune. (1570210183)
12.10 pm –12.30 pm	Talk by <b>Mr Oliver Kirui</b> Oliver Kirui (Center for Development Research, University of Bonn, Germany)	Topic: Economics of Land Degradation and Sustainable Land Management in Eastern Africa (1570185825)
12.30 pm – 1.30 pm	Lunch at AC Dining Hall	



#### February 27, 2016 **Auditorium: Key Note Address-2** 1.30 pm -2.15 pm Moderator: Prof. Krishna Vasudevan, IIT Madras 1.30 pm -2.15 pm **Keynote Address** Dr. Dieter Dohnal, Executive Director Technology, Maschinenfabrik Reinhausen GmbH, Germany Technical Session-2.1a, IAR Conf Room **Time Slot Title** 2.15 pm-3.15 pm **Topic: Energy and Power (4 Papers) Chair: Prof. Pramod Mehta, IIT Madras** 2:15 pm -2.35 pm Topic: Innovative gas turbine Talk by **Prof. Christian Oliver Paschereit**

	Gormany): Panagiotic Stathonoulos (National Tochnical University of	cycles for power generation(1570216921)
2.35 pm-2.55 pm	A. Jayashree, Anusha Gontla V V and Benny Raphael (Indian Institute of Technology, Madras, India)	Topic: Thermal comfort evaluation of a radiant cooling system coupled with mechanical ventilation (1570184265)
2.55 pm -3.15 pm	Vinith Kumar Lakshmanan, Ganesh Duraisamy, Sathyajith Sridhar and Santosh Winfred (Anna University, India)	Topic: Study of Combustion, Emission, Performance characteristics of Biodiesel derived from Waste Chicken Fat in a CI Engine (1570207047)
3.35 pm – 4.05 pm	Coffee Break, AC Dining Hall	•

3.33 pm 4.03 pm	Conce break, Ac bining hair	
Time Slot	Technical Session-2.1b, IAR Conf Room, 4.05 pm-5.25 pm Topic: Energy and Power (4 Papers) Chair: Prof. Ajit Kolar, IIT Madras	Title
4.05 pm -4.25 pm	Talk by <b>Mr Holger Nawroth</b> Holger Nawroth and Christian Oliver Paschereit (Technische Universität Berlin, Germany)	Topic: Experimental Investigation of Direct Combustion Noise of a Turbulent Jet Flame (1570215359)
4.25 pm -4.45 pm	Talk by <b>Prof. Pramod S. Mehta</b> Sravan Pannala, K Anand and Pramod S Mehta, (Indian Institute of Technology, Madras, India)	Topic: Investigations on Sustainability of Biodiesel Fuels (1570207821)
4.45 pm-5.05 pm	Talk by <b>Dr. N. Nallusamy</b> Nallusamy Nallusamy (SSN College of Engineering, India); Panneerselvam Malathi Sivaram (Research Assistant, India); Subbiar Karuppuchamy (Alagappa University, India)	Topic: Mathematical modelling and experimental investigation on solar parabolic trough collector integrated with thermal energy storage system (1570208153)
5.05 pm- 5.25 pm	Talk by <b>Mr. Ivo Schneider</b> Ivo Schneider, Frank Behrendt (TU Berlin, Germany)	Topic: Hydroliquefaction of Lignin using an iron-based Catalyst (1570210193)



Time Slot	February 27, 2016  Technical Session-2.2a, Hall-1 2.15 pm-3.35 pm  Topic: Waste Management (4 Papers) Chair: Prof. Martin Kranert, Univ of Stuttgart	Title
2:15 pm -2.35 pm	Talk by <b>Mr. C. Ramprasad</b> Ramprasad Chandrasekaran (Indian Institute of Technology Madras (IIT M), India); Mohammed A (Research Assistant, India); Ligy Philip (Indian Institute of Technology Madras (IIT M), India)	Topic: Sustainable Decentralised Wastewater Management in Urban Residential Areas.(1570182907)
2.35 pm-2.55 pm	Talk by <b>Ms Anu Thomas</b> Anu Thomas (Indian Institute of Technology Madras, India); Ligy Philip (Indian Institute of Technology Madras (IIT M), India); Martin Kranert (Institute for Sanitary Engineering, Water Quality and Solid Waste Management, University of Stuttgart, Germany)	Topic: Dewatering of Septage for Co- composting (1570183805)
2:55 pm -3.15 pm	Talk by <b>Ms Jil Sheth</b> Jil Sheth, Kinara Patel and Ganesh Devkar (CEPT University, India)	Topic: Analysis of Construction and Demolition Waste Management Policies from Sustainability Perspective (1570210951)
3.15 pm -3.35 pm	Talk by <b>Mr Cornelius Sandhu</b> Patrick Opala, Andre Kilian, Philip Grafe, Justus Tiepmar and Thomas Grischek (University of Applied Sciences Dresden, Division of Water Sciences, Germany); Cornelius Sandhu (University of Applied Sciences Dresden, Germany); Ankush Gupta (Homi Bhabha Centre for Science Education, Mumbai & Formerly IIT Roorkee, India); Pradeep Kumar (IIT Rourkee; Prakash Kimothi (Uttarakhand Jal Sansthan, India)	Topic: Robust and Low-cost Disinfection Measures and Water-tightness Methods for Urban Water Supply RBF Wells in India (1570183963)
3.35 – 4.05 pm	Coffee Break, AC Dining Hall	<u> </u>
Time Slot	February 27, 2016  Technical Session-2.2b, Hall-1  4.05 pm-5.45 pm  Topic: Waste Management (5 Papers)  Chair: Dr. Martina Scheer, Engineering Consultants	Title
4.05 pm -4.25 pm	Talk by Mr Fatha Naji Fatha Naji and Asya Drenkova-Tuhtan (University of Stuttgart, Germany)	Topic: Phosphorus recovery from wastewater, sewage sludge and sewage sludge ash (1570210717)
4.25 pm -4.45 pm	Talk by <b>Dr S. Netaji</b> Nethaji Sundarabal (Manipal Institute of Technology, Manipal, India); Arumugam Sivasamy (CSIR-CLRI, India)	Topic: Application of magnetite nanoparticles coated active carbon derived from lignocellulosic waste biomass for wastewater remediation (1570206955)



4.45-5.05 pm	Talk by <b>Dr. Jaganathan Senthilnathan</b> Jaganathan Senthilnathan (Indian Institute of Technology Madras & National Cheng Kung University, India); Masahiro Yoshimura (National Cheng Kung University, Taiwan)	Topic: Submerged Liquid Plasma for Treatment of pharmaceutical wastewater (1570183083)
5.05 -5.25 pm	Talk by <b>Dr. Madan Kumar Lakshmanan</b> Madan Kumar Lakshmanan (CSIR-CEERI, India); Hardeep Mor (BITS-Pilani, India); Giridhar Subramanian, Chandrasekar Venkataraman and Deepak Srivatsav (NIT Trichy, India); Chinnu Tharmalingam (CSIR-CEERI, India)	Title: A Statistical Approach for the Classification of Plastic Polymers using Near Infrared Spectroscopy towards Efficient Waste Management (1570181145)
5.25-5.45 pm	Talk by <b>Prof. T.S. Chandra</b> Jayavignesh Vijayan (IIT Madras, India); Anju KS (Indian Institute of Technology - Madras, India); Thomas Eichmeier (Bauhaus-University Weimar, Germany); Ravikrishna R (IIT Madras, India); Franziska Steinbruch (Indian Institute of Technology Madras, India); Christian Springer (Bauhaus-University Weimar, Germany); TS Chandra (Indian Institute of Technology Madras, India)	Title: Detection of pharmaceuticals and personal care products from metro water and ground water sources in Chennai (1570213864)

Time Slot	February 27, 2016  Technical Session-2.3a, Hall-2 2.15 pm-3.35 pm  Topic: Generic Sustainability (4 Papers) Chair: Dr. Franziska Steinbruch, IITM	Title
2:15 pm -2.35 pm	Talk by <b>Prof Thomas Grischek</b> Thomas Grischek (University of Applied Sciences Dresden, Division of Water Sciences, Germany); Cornelius Sandhu (University of Applied Sciences Dresden, Germany); Narayan Ghosh (National Institute of Hydrology, India); Prakash Kimothi (Uttarakhand Jal Sansthan, India)	Topic: A Conceptual Master Plan for RBF Water Supply in India - Science, Policy & Implementation Aspects (1570183329)
2.35 pm-2.55 pm	Talk by <b>Mr Cornelius Sandhu</b> Cornelius Sandhu, Thomas Grischek and Thomas Voltz (University of Applied Sciences Dresden, Division of Water Sciences, Germany); Wido Schmidt (DVGW – Water Technology Center, Dresden Branch, Germany); Hilmar Börnick (TU Dresden, Institute for Water Chemistry, Germany); Pradeep Kumar (IIT Roorkee, India); Prakash Kimothi (Uttarakhand Jal Sansthan, India)	Topic: Riverbank Filtration for Year-round Urban Water Supply in India (1570183531)
2:55 pm -3.15 pm	Talk by <b>Ms Georgina Njiraini</b> Georgina Njiraini and Djiby Thiam (Centre for Development Research, University of Bonn, Germany)	Topic: Transaction Costs associated with water policies in the Olifants basin of South Africa (1570184221)
3.15 pm – 3.35 pm	Talk by <b>Mr. Sunil Dahiya</b> Sunil Dahiya and Suresh Jain (TERI University, India); Suneel Pandey (TERI, India); Poonam Khatri (TERI University, India)	Topic: Assessing sustainability of food grain packaging from climate change perspective: A case of Jute sacks manufacturing in India (1570181177)
3.35 pm – 4.05 pm	Coffee Break, AC Dining Hall	
Time Slot	February 27, 2016  Technical Session-2.3b, Hall-2 4.05 pm-5.05 pm  Topic: Generic Sustainability (3 Papers) Chair: Dr. Katrin Premke, Leibniz Institute	Title
4.05 pm -4.25 pm	Talk by <b>Mr. S. Niranjan</b> Niranjan S (UVCE, India)	Topic: Prediction of UHO by Morphometric Parameters at Different Reaches of Mainstream (1570210107)
4.25 pm -4.45 pm	Talk by Ms. Shrimoyee Bhattacharya Shrimoyee Bhattacharya, Sonali Patro and Sujaya Rathi (Center for Study of Science, Technology and Policy, India)	Topic: Creating Sustainable Urban Systems: Need for redesigning indicators for urban infrastructure and services (1570208733)
4.45 pm- 5.05 pm	Talk by <b>Dr. Arne Harms</b> Arne Harms (Leipzig University, Germany)	Topic: The Invisible Hand in Nature's Baskets: Reflections on the Sustainability of Economic Valuations. (1570215450)



# Celebration of the 5<sup>th</sup> anniversary of IGCS Cultural Programme

27<sup>th</sup> February 2016 Central Lecture Theater, IIT Madras

6.15 pm-8.30 pm

(Details of Cultural Programme will be provided in due course)

8.30pm - 10pm

Dinner: 8:30 pm – 10 pm at AC dining hall, ICSR

All are welcome.



## **Programme**

# February 28, 2016

Special IGCS Session Venue: ICSR Auditorium 9.00 am – 10.40 am

#### Chair:

	Chair.
9.00 am – 9.25 am	Invited Talk by <b>Prof Rafig Azzam</b> , IGCS Area Coordinator
9.25 am-9.50 am	Invited Talk by <b>Prof Sudhir Chella Rajan</b> , IGCS Area Coordinator
9.50 am-10.15 am	Invited Talk by <b>Prof Ajit Kolar</b> , Former IGCS Energy Area Coordinator
10.15 am–10.40 am	Invited Talk by <b>Prof Ligy Philip</b> , IGCS Waste Area Coordinator
10:40 am-11.15 am	Coffee Break, AC Dining Hall

	February 28, 2016  Auditorium: Key Note Address-3 11.15 Noon -12.00 Noon  Moderator: Dr. Christoph Woiwode, IITM	
11.15 Noon -12.00 Noon	Keynote Address	Prof. DrIng. Peter Gotsch, Int. Cooperation and Urban Development, TU Darmstadt
Time Slot	February 28, 2016  Technical Session-3.1, IAR Conf Room 12.00 Noon -1.00 pm  Topic: Land Use (3 Papers)  Chair: Prof. Peter Fiener, Univ of Augsburg	Title
12.00-12.20 pm	Talk by <b>Prof. Peter Fiener</b> Paul D. Wagner (Freie Universität Berlin, Germany); Murty Bhallamudi (IIT Madras, India); Balaji Narasimhan (Indian Institute of Technology Madras, India); Lakshmi Kantakumar (Institute of Environment Education and Research & Bharati Vidyapeeth University, India); Shamita Kumar (Institute of Environment Education & Research, Bharati Vidyapeeth University, India); Peter Fiener (University Augsburg, Germany)	Topic: Analyzing the effects of dynamic representations of land use change in hydrologic impact assessments (1570184429)
12.20-12.40 pm	Talk by: <b>Prof Klaus Reicherter</b> Klaus Reicherter (RWTH Aachen University)	Topic: Impact of coastal hazards on urban environments (1570215447)



12.40-1.00 pm	Talk by <b>Dr Martina Scheer</b> Martina Scheer (Engineering Consultants Scheer, Germany)	Topic: Application of traditional and advanced cost approaches including investment theory based methods in sustainable technical infrastructure projects (1570212392)
1.00 pm – 2.00 pm	Lunch at AC Dining Hall	

Time Slot	February 28, 2016 Technical Session-3.2, Hall-1 12.00 Noon -1.00 pm Topic: Water (3 Papers) Chair:	Title
12.00-12.20 pm	Talk by <b>Mr C. Ramprasad</b> Ramprasad Chandrasekaran and Ligy Philip (Indian Institute of Technology Madras (IIT M), India)	Topic: Greywater treatment and reuse using constructed wetlands - A sustainable approach (1570182859)
12.20-12.40 pm	Talk by <b>Mr. Tilman Floehr</b> Tilman Floehr and Henner Hollert (RWTH Aachen University, Germany)	Title: A glimpse in the black box - Ecotoxicological impacts on the Yangtze Three Gorges Reservoir, China (1570184231)
12.40-1.00 pm	Talk by Ms. Krithika Delhiraja Krithika Delhiraja (Indian Institute of Technology Madras(IITM), India); Srinivas Reddy (IIT Madras, India); Ligy Philip (Indian Institute of Technology Madras (IIT M), India); Sharon Nadar and Philip Varghese (IITM, India)	Topic: Preliminary Studies on Treatment of Black Water by Sustainable Technology - A Zero Liquid Discharge Toilet (1570180907)
1.00 pm – 2.00 pm	Lunch at AC Dining Hall	•















Time Slot	February 28, 2016  Technical Session-3.3, Hall-2  12 Noon -1.00 pm  Topic: Air Quality (3 Papers)  Chair: Prof. Sachin Gunte, IITM	Title
12.00-12.20 am	Talk by <b>Dr. S.M. Shiva Nagendra</b> Shiva Nagendra SM (IIT Madras, India); Uwe Schlink (Helmholtz Centre for Environmental Research, Germany); Jyothi S Menon, Lekshmi Mohan, Sathyanarayana N Gummadi and Ravikrishna R (IIT Madras, India)	Industrial and High-Traffic
12.20-12.40 am		Topic: Personal exposure to PM10 concentration at selected hotspots in Chennai city (1570184087)
12.40-1.00 pm	Talk by <b>Mr. Anand Kakarla</b> Anand Kakarla (Indian Institute Of Technology Hyderabad, India); Soumya Jana (Indian Institute of Technology, Hyderabad, India); Swades De (Indian Institute of Technology Delhi, India)	Topic: Fine Scale Mapping of Air Pollution based on Mobile Sensing: A Practical Prototype (1570206479)
1.00 pm – 2.00 pm	Lunch at AC Dining Hall	

















Time Slot	February 28, 2016  Technical Session-4.1, IAR Conf Room 2.00 pm – 4.00 pm  Topic: Land use (7 Papers)  Chair: Prof. Peter Gotsch, TU Darmstadt	Title
2.00-2.20 pm	Talk by <b>Mr. Tobias Kuttler</b> Tobias Kuttler (Technical University Berlin, Germany); Pushkal Shivam (Indian Institute of Technology Madras, India)	Topic: Development by "state of exception" in peri-urban Chennai - the case of Sriperumbudur (1570210137)
2.20-2.40 pm	Talk by <b>Ms. Keerthi Purushothaman</b> Keerthi Purushothaman (Indian Institute of Technology Madras, India); Amala Devi (Indo-German Centre for Sustainability, India); Sudhir Chella Rajan (IIT Madras, India)	Topic: Agent-based modelling of peri-urban land conversions as decisions of land-holding farmers (1570210015)
2.40-3.00 pm	Talk by Mr. Lakshmi Kantakumar Lakshmi Kantakumar (Institute of Environment Education and Research & Bharati Vidyapeeth University, India); Priti Neelamsetti (JV Analytics, India); Paul D. Wagner (Freie Universität Berlin, Germany); Chandrasekhar Vibhute (JV Analytics, India)	Topic: Projecting land use change in an eco-sensitive zone of Sawantwadi (Maharashtra) using Markov chains and artificial neural networks (1570184429)
3.00 – 3.20 pm	Talk by <b>Mr Niklas Potthoff</b> Paul D. Wagner and Niklas Potthoff (Freie Universität Berlin, Germany); Balaji Narasimhan (Indian Institute of Technology Madras, India); Björn Waske (Freie Universität Berlin, Germany)	Topic: Monitoring land use changes in the Chennai Basin using multi-temporal remote sensing data (1570184319)
3.20-3.40 pm	Talk by <b>Dr Katrin Premke</b> Katrin Premke (Leibniz-Institute of Freshwater Ecology and Inland Fisheries, ZALF Müncheberg, Germany); Pascal Bodmer, Jenny Fabian (Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany); Jayakumar Renganathan (IITM), Robert Taube and Katrin Attermeyer (Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany)	Topic: Carbon turn-over in a cascade of South Indian irrigation ponds (1570184237)
3.40-4.00 pm	Talk by <b>Ms Divya Swaminathan</b> Ms Divya Swaminathan (Center for Development Research, University of Bonn, Germany)	Topic: Landuse change, Agricultural Transformation and indigenous communities: A case study of the Soliga communities in Southern India
4.00 pm – 4.30 pm	High Tea at AC Dining Hall	I

















Time Slot	February 28, 2016  Technical Session-4.2, Hall-2 2.00 pm -4.00 pm  Topic: Energy and Power (7 Papers)  Chair: Prof. Oliver Paschereit, TU Berlin	Title
2.00-2.20 pm	Talk by <b>Dr. Anand Krishnasamy</b> Anand Krishnasamy, S. Santhosh, J. Thangaraja, Pramod S. Mehta (Indian Institute of Technology Madras, India)	Topic: Effects of Compositional Variations on Biodiesel Properties ( 1570209971)
2.20-2.40 pm	Talk by <b>Dr Nitin Labhsetwar</b> Nitin Labhsetwar (NEERI, India)	Topic: Catalytic Combustion of Producer Gas: A Potential Renewable Energy Option (1570215145)
2.40-3.00 pm	Talk by <b>Mr. R. Senthil Kumar</b> Ranganathan Senthil Kumar (Anna University, India)	Topic: Numerical and Experimental Investigation of the Transient Thermal Behaviour on Solar Photovoltaic Thermal (PV/T) Hybrid System (1570210033)
3.00-3.20 pm	Talk by <b>Mr Abdus Azad</b> Abdus Azad, Dibakar Rakshit and S Kaushik (Indian Institute of Technology Delhi, India)	Topic: A comparative study of energy efficient building using different Building Energy Modeling Programs (1570176115)
3.20-3.40 pm	Talk by <b>Mr. K. Saikiran</b> Kasamsetty Saikiran (Indian Institute of Technology Madras, India); Benny Raphael (Indian Institute of Technology, Madras, India)	Topic: A novel energy-efficient dehumidification system for a radiant cooled chamber (1570184111)
3.40-4.00 pm	Talk by <b>Mr Sreejus Kumar</b> Sreejus Kumar and Arun Nagarkatti (Indian Institute of Technology Madras, India); Ajit Kolar (IIT Madras, India)	Topic: Methodology to Estimate the Sustainability Index of a Solar Photovoltaic Energy System (1570205707)
4.00-4.20 pm	Talk by <b>Mr Darpan das</b> Darpan Das (IIT Bombay, India)	Topic: Study of Coal Gasification for Potential Applications in Cook Stoves (1570210143)
4.00 pm – 4.30 pm	High Tea at AC Dining Hall	

















Time Slot	February 28, 2016 Technical Session-4.3, Hall-1 2.00 pm -4.00 pm Topic: Air Quality (3 Papers) Chair: Dr. Shiva Nagendra, IITM	Title
2.00-2.20 pm	Talk by Mr Sreekanth Bojjagani Sreekanth Bojjagani (Centre for Environmental Science and Engineering, IIT Bombay, Mumbai, India); Anil Namdeo (Newcastle University, United Kingdom); Rakesh Kumar (National Environmental Engineering Research Institute, Mumbai Zonal Center, India); Virendra Sethi (Centre for Environmental Science and Engineering, IIT Bombay, Mumbai, India); OpalaMargaret Bell (Newcastle University, United Kingdom); Rashmi Patil (Centre for Environmental Science and Engineering, IIT Bombay, Mumbai, India)	Title: Comparison of the Influence of Rain on Ambient Particulate Matter in London (UK) and Chandrapur (India) (1570210181)
2.20-2.40 pm	Talk by <b>Dr. Anirban Middey</b> Anirban Middey, Navneet Kumar, Shweta Meshram, Mayuri Shrirang and Padma Rao (CSIR-National Environmental Engineering Research Institute, India)	Title: Impression of fine dust and Black carbon concentrations at traffic junctures on ambient air quality - a pilot study in Nagpur city (1570212889)
2.40-3.00 pm	Talk by <b>Ms Neha Agarwal</b> Neha Agarwal (Indian Institute of Technology, India); Shiva Nagendra SM (IIT Madras, India)	Title: Modelling of Particulate Matter Size Distribution in Work Environments (1570181261)

















# February 28, 2016

**Valedictory Function Venue: ICSR Auditorium** 

4.30 pm-5.00 pm

4.30-4:35 pm	Welcome Address	Prof Krishna Vasudevan, Chairman, Local Organizing Committee
4.35-4.45 pm	Review of Conference Proceedings	Prof. B.S. Murty, IITM IGCS Area Coordinator, Water Management
4.45-4.55 pm	Distribution of Certificates to Prize winning pape	rs
4.55- 5.00 pm	Vote of Thanks	Prof Ajit Kolar, Chairman, Technical Program Committee













