

A Joint U.S.-India Conference



Waste Management Innovation *“Toward a Green, Inclusive, Circular Economy”*



17-18 April, 2017

Trident Hotel, Nariman Point, Mumbai

Speaker Biographies



Dr. Joseph Fiksel, Conference Chair

Dr. Fiksel is Executive Director of the Sustainable & Resilient Economy program at The Ohio State University, and a research faculty member in the Department of Integrated Systems Engineering. He is internationally recognized as an expert on sustainable business practices, with over 20 years of experience in environmental risk management, product stewardship, supply chain management, and corporate responsibility. He began his career at DuPont of Canada, then founded the Decision & Risk Management group at Arthur D. Little, and later served as Vice President for Life Cycle Management at Battelle. His clients have included multinational companies in the automotive, electronics, consumer products, defense, chemical, pharmaceutical, food and beverage, glass, cement, and electric power industries, as well as industry consortia such as the Global Environmental Management Initiative and the World Business Council for Sustainable Development. From 2010 to 2014 he served as Special Assistant for Sustainability at the U.S. EPA. He has published over 100 refereed articles and several books, and is a frequent invited speaker at business and professional conferences. He holds a bachelor's degree from M.I.T., a Ph.D. from Stanford University, and an advanced degree from La Sorbonne.



Dr. Sanjeev Chaudhari, Conference Co-Chair

Dr. Sanjeev Chaudhari is Professor and Head of the Centre for Environmental Science and Engineering (CESE) at the Indian Institute of Technology, Bombay. CESE has established strong collaborations with leading industries, academic institutions and national/international agencies by conducting sponsored research projects and offering consultancy and technical services. Dr. Chaudhari's research interests include arsenic removal from water, biological nutrient removal from wastewater, application of natural coagulants for water and wastewater treatment, and treatment of textile wastewater by biological and physicochemical processes. He holds M.Tech and Ph.D. degrees in Environmental Engineering from IIT Kanpur, as well as a Graduate Diploma in Sanitary Engineering from IHE Delft, The Netherlands.

Keynote Speakers



Dr. Rattan Lal, The Ohio State University
U.S. Keynote Speaker and Session Chair, Day 2

Dr. Rattan Lal is Distinguished University Professor of Soil Science in the School of Environment & Natural Resources at Ohio State, and is among the world's most pre-eminent soil scientists. His research focus is on climate-resilient agriculture, soil carbon sequestration, efficiency of agroecosystems, and sustainable management of soils in the tropics. He has served as president of the International Soil Tillage Research Organization; World Association of Soil and Water Conservation; Soil Science Society of America; and International Union of Soil Sciences. He is Chair of the Scientific Advisory Committee to UNU-FLORES, Dresden, Germany, and a member of the Scientific Advisory Board, Strategic Environmental Research & Development Program of the U.S. Department of Defense. As a member of the International Panel on Climate Change, he received the Nobel Peace Prize certificate in 2007. He has authored or co-authored approximately 2000 publications, and has written 19 books and edited or co-edited 63 books.



Dr. Rakesh Kumar, CSIR-National Environmental Engineering Research Institute

Dr. Kumar is Director of CSIR-NEERI, where he was previously Chief Scientist and Head of Mumbai Zonal Laboratory. He obtained his M.Tech. in Environmental Science and Engineering from IIT-Bombay and his Ph.D. in Environmental Engineering from RTM Nagpur University. He has broad experience in environmental science and engineering, urban air quality monitoring, environmental impact assessment, environmental audit, climate change and health. He has contributed to development of sustainable technologies for beneficial reuse and recycling of domestic and industrial wastewater, and has received many awards including the Commonwealth Commission Award, UK in 1994; "Environmental Leadership Award" by US Asia Environmental Partnership and US-AID in 2005. He holds 10 patents on pollution control devices, and has published more than 83 papers and three Self Learning Books.



Dr. Harshad P. Thakur, Tata Institute of Social Sciences

Dr. Thakur is a Professor at Centre for Public Health, School of Health Systems Studies, Tata Institute of Social Sciences (TISS), Mumbai, India. He obtained his MBBS and MD in Preventive and Social Medicine from Seth G.S. Medical College in 1994. Before joining TISS in 2000, Dr. Thakur was at Seth G.S. Medical College and KEM Hospital, Mumbai for 8 years as a Lecturer and Associate Professor. His research interests include environmental health, epidemiology of communicable and non-communicable diseases, radiation epidemiology, health financing, equity in access to health care, and public health in developing countries. He was instrumental in launching a MPH (Master of Public Health) with specialization in Social Epidemiology at TISS during 2008. He teaches Epidemiology Social Epidemiology and Health Policy as well as Hospital and Health Administration at TISS. He has more than 25 contributions in various journals and books.

Session Chairs



Mr. Mathy Stanislaus, Session Chair, Day 1

Mr. Stanislaus serves as Senior Advisor for Accelerating Circular Economy Policies at the World Economic Forum. Previously he was Assistant Administrator in the U.S. EPA Office of Land and Emergency Management from 2009 to 2016. Among his many initiatives, Mr. Stanislaus led an effort to advance the transition to a circular economy through a life-cycle based sustainable materials management approach. He represented the U.S. in the G7 Alliance for Resource Efficiency, which seeks to promote best practices and foster innovation by providing a forum for stakeholder dialogue. Mr. Stanislaus is a chemical engineer and environmental lawyer with over 20 years of experience in the environmental field in the private and public sectors. He served as senior environmental counsel at a law firm, and director of environmental compliance for an environmental consulting firm. He also served as an advisor to other federal government agencies, Congress, and the United Nations on a variety of environmental issues. He received his law degree from Chicago Kent Law School and Chemical Engineering Degree from City College of New York.



Mr. Bharat Kris Rao, Session Chair, Day 2

Bharat Kris (“BK”) Rao is the founding Executive Chairman of Bharco Ecotechnologies, which conducts business throughout North America, Europe and Asia in the environmental health, renewable energy and clean water sectors. For the past two decades, he has focused his efforts on global environmental health strategies, with an emphasis on implementing solutions to mitigate risk from the current adverse environmental impact of municipal, industrial and agricultural pollution, and their related waste streams. Mr. Rao has served on several international business, government and NGO committees to assess, evaluate and recommend new and emerging clean and sustainable technologies as they apply to both the developing and the developed nations of the world. He frequently participates as a speaker in international clean technology seminars and conferences. In 2012, the Indian Economic Development & Research Association (IEDRA) nominated him for the prestigious “Indian Achievers Award for Industrial Excellence” recognizing his contributions in the field of Clean Technology and Sustainable Development.



Dr. Tarunjit Batalia, Session Chair, Day 2

Dr. Batalia serves as the program coordinator for the Coal Combustion Products (CCP) program at The Ohio State University. Batalia is a Research Associate Professor in the Department of Civil, Environmental and Geodetic Engineering. His technical specialty is characterization of natural and synthetic materials and their use in environmentally benign commercial applications. When treated and applied correctly, CCPs can be put to multiple productive uses including highway materials, mineland reclamation, and agricultural applications. Dr. Batalia obtained a Bachelor of Engineering (with Honors) in Civil Engineering from Punjab Engineering College, Chandigarh, India. He went on to earn a Master of Technology degree in Civil Engineering from Indian Institute of Technology, Bombay, India and a Doctorate in Engineering from The Ohio State University. Dr. Batalia has been involved directly in several CCP research projects, and has authored, presented and/or published more than 200 technical papers.



Mr. Tushar Bandopadhyay, Session Chair, Day 2

Mr. Bandopadhyay has about 40 years of experience in the Plastics Industry, including more than 20 years at IPCL, the first World-Scale Integrated Petrochemicals Complex in India, where he headed the Technical Services and Product Development Groups. He is a Fellow of the Indian Plastics Institute, and a Guest Faculty of the Indian Institute of Packaging under the Ministry of Commerce. He was an Expert Committee member in the Ministry of Environment, Forests & Climate Change for drafting the Plastics Waste Management Rules, as well as other committees in the Ministry of Chemicals and Fertilisers and Bureau of Indian Standards. Currently he serves as the Technical Director of the Indian Centre for Plastics in the Environment, an Autonomous National Body. He has been instrumental in establishing new processes for waste re-use in cement kilns, road construction, and fuel pyrolysis. He holds a B. Tech. in Plastics and Rubber Technology from the Department of Applied Chemistry, Calcutta University.



Dr. Pradeep Kumar Panigrahi, Session Chair, Day 2

Dr. Panigrahi is a sustainability professional with over 22 years of experience in reputed companies like Parry Agro, part of Murugappa Group; Tata Refractories, part of Tata Group and Mahindra Sanyo. He holds a Ph.D. in Ecology with an international fellowship from Université de Paris VI, France, and has published 17 papers and book chapters on different aspects of sustainability. Within Mahindra, he was instrumental in publishing the first GRI G4 report, worked on the first eLCA for 23 products, and also on the first Natural Capital Valuation for the group. He is recipient of several awards, including Bright Spark awards from Parry Agro and Mahindra Innovation Awards for a project on Circular Economy. Currently he is working as DGM – Corporate Sustainability, heading Water Security, Waste, and Circular Economy at group level in Mahindra.



Dr. Kishor Munshi, Session Chair, Day 2

Dr. Munshi serves as a Director at CTech Labs Pvt. Ltd., SINE, IIT Bombay. Previously he was a Full Professor at the Indian Institute of Technology, Bombay, where he served as Head of the Industrial Design Centre from 1996 to 1999. He has also been a visiting professor at Lulea University of Technology, Sweden; Middle East Technical University; and Oslo School of Architecture and Design. He has been a consultant to over industrial organisations, and has directed design programmes for a number of innovative products. He has published and presented internationally, and has served on a variety of Government of India advisory committees. He received a Bachelor of Mechanical Engineering from the Birla Institute of Technology, and Post-graduate Diploma in Product Design from the Indian Institute of Technology, Bombay. He is a founding member and past vice-president of the Society of Industrial Designers of India.

Invited Speakers (in order of appearance)

Inaugural Session



Mr. Thomas L. Vajda, U.S. Consul General

Mr. Vajda assumed the post of U.S. Consul General in Mumbai on July 31, 2014. He is responsible for representing American interests and promoting U.S.-India relations in the Indian states of Maharashtra, Gujarat, Goa, Chhattisgarh, and Madhya Pradesh. He joined the Foreign Service in 1991 and is a career member of the Senior Foreign Service with the rank of Minister Counselor. He has served overseas in Northeast and Southeast Asia, Central Europe, the Balkans, and at the State Department headquarters in Washington, D.C. His recent postings include Deputy Chief of Mission in Rangoon, Burma (Myanmar), Director of the Middle East Partnership Initiative, and Deputy Coordinator for Assistance to the Middle East.



Ms. Mehnaz Ansari, U.S. Trade & Development

Ms. Ansari is the Country Representative-India for United States Trade and Development Agency (USTDA). She is responsible for managing USTDA's India office operations and supports USTDA activities in advancing host country development priorities, US industry trade interests, and US government foreign policy objectives. She serves as a senior advisor and professional analyst to the USTDA South Asia team to identify, evaluate, recommend and track the progress of major initiatives for USTDA grant funding to promote economic and social development and trade throughout South Asia. She also helps identify priorities for Bangladesh, Nepal and Sri Lanka for USTDA projects. Mehnaz represents USTDA on its two signature public-private partnerships in India: the U.S.-India Aviation Cooperation Program (ACP) and the U.S.-India Energy Cooperation Program (ECP). She holds a Bachelor's in Zoology from University of Delhi, an MBA in Marketing Management and also a Post-Graduate Diploma in Journalism and Mass Communications.



Mr. Ajoy Mehta, Municipal Commissioner, Mumbai

After taking over as Municipal Commissioner for Mumbai, Mr. Mehta has initiated work on affordable housing in the draft development plan. He has also tackled the sanitation issue in Mumbai. He is a member of the 1984 Cadre from the Maharashtra Batch of the IAS. He has served as Collector of Ahmednagar district and Municipal Commissioner of Nashik. He is a former Chief of the state agriculture department and has significant bureaucratic experience in the power sector, where he instituted significant changes. Mr Mehta has also effectively implemented the surplus power plan for the state of Maharashtra.

Dr. Sanjay A. Mukherjee



Additional Municipal Commissioner, Mumbai

Dr. Mukherjee is Additional Municipal Commissioner is responsible for Greater Mumbai Mega Projects such as the Coastal Road, the Goregaon Mulund Link Road, Mumbai Sewage Disposal Project, Solid Waste Management, and several water supply projects. He is also responsible for property tax, octroi, and all matters of finance and taxation. Previously he held a number of senior administrative posts in Nagpur, and was instrumental in major projects including the planning and design of the prestigious Multimodal International Hub Airport. Under his leadership, the GDP of the district of Nagpur grew from 6% to 12.76% per annum, making it one of the fastest growing areas of the country. He has also been involved in making Governance more transparent, and has led several e-governance projects such as the electronic Caste Certificate disposal system, Dial 1917, Citizen's Helpline, Digitization of all Village Maps of the district, and Computerization of Land Records. He has won numerous State and National Level Awards for his accomplishments. He received a B.A. in Public Administration from Nagpur University, MBBS with Honors from Government Medical College, Nagpur, and C.F.A. from ICFAI, Hyderabad.



Mr. Pratap Padode, Smart Cities Council India

Mr. Padode is a chartered accountant specializing in financial research, and he pioneered equity research in India by launching India's most successful equity journal. In 1986 he established the Corporate & Economic Research Centre, which developed financial models to evaluate corporate performance. He is the founder of ASAPP Info Global Group and has demonstrated innovative thought leadership through publications, conferences and awards in the fields of construction, infrastructure and engineering. He is President of the Foundation of Infrastructure Research Studies Training (FIRST), established in 2003 to develop research reports and newsletters on the construction, infrastructure, real estate, and finance sectors. He received an award for research in the construction sector at CIDC Vishwakarma Awards 2010, from Dr. C. Rangarajan, Chairman of the Prime Minister's Economic Advisory Committee. Since 2014 he has served as the Founding Director of Smart Cities Council India, promoting the move to smart, sustainable cities and contributing to Smart Cities Council Partners' business success through advocacy and action.

Luncheon Speaker, Day 1



Dr. Sonal Thengane, IIT Bombay

Dr. Thengane is a Postdoctoral Fellow at Tata Centre for Technology and Design, IIT Bombay, working on biomass gasification with a focus on utilizing garden waste for community-level cooking. He obtained his B.Tech in Chemical Engineering from LIT Nagpur, M.E. from BITS Pilani, and Ph.D. from IITB-Monash Research Academy working on a project funded by Orica Mining Services, Australia in the field of thermochemical water splitting. His research interests are waste management, process integration, hydrogen production processes and thermodynamic analysis. He has done his projects and seminars at CSIR labs such as NCL and NEERI. His achievements include: CGPA of 10.00 in M.E. with gold medal, Academic excellence award, University level Chess player and Swimmer, and prizes in national level paper presentation competitions. He is associated with several NGOs working in the area of waste management and teaching cultural activities to needy children in Mumbai.

Plenary Panel Session 1



Mr. John Opsteen, Kimberly-Clark Corporation

Mr. Opsteen leads Kimberly-Clark's solid waste management programs globally, most recently with a focus on K-C's post-consumer waste diversion efforts. John has been with Kimberly-Clark for 16 years, having worked in a variety of roles, including both regional and mill environmental leadership positions, as well as some time as a team leader in operations. He has also served three years as environmental coordinator and manager for a large fire truck manufacturer in Wisconsin. John was born and raised in Kimberly, Wisconsin and has been living in Atlanta, Georgia since 2006. He holds a bachelor of science in environmental science and policy from the University of Wisconsin-Green Bay and is based at K-C's Roswell, Georgia Campus.



Dr. Jochen Hertlein, Nestlé

Dr. Hertlein is Corporate Packaging Manager, Sustainability and Lean Packaging, at Nestec Ltd. Based in the Nestlé Head Office in Vevey, Switzerland, he is coordinating and working on projects to improve the environmental performance of packaging materials globally, with a clear focus on plastics. Previously he headed the packaging team of Nestlé Germany and actively contributed to packaging sustainability topics in the German brand association ("Markenverband") and the joint industry Working Group: Packaging and Environment ("AGVU-Arbeitsgemeinschaft Verpackung und Umwelt"). As a trained food technologist at the Technical University of Munich, he entered the packaging area with a strong focus on product requirements and product-machine-packaging interactions. He uses this knowledge together with experience in packaging waste management to reduce the environmental impact of packaging concepts. He holds a doctoral degree in Food Engineering.



Mr. Gokul Venkataraman, Owens-Corning

Mr. Venkataraman is Business Development Leader for Owens Corning, based in Mumbai, offering solutions for Swachha Bharat Abhiyaan, Green Buildings and Smart Cities. He is accountable for driving Owens Corning growth initiatives through digital and end-customer-based business development in the areas of Infrastructure, Industrial & Buildings, including water management, waste management, and energy efficiency. In this role, he supports Owens Corning's initiatives in business consultancy services for start-ups and diversification in the field of composite materials. He has 14 years of techno-commercial B2B experience across varied industrial segments, including Thermoplastics, Polymers & Composites, Coatings, Specialty Chemicals, Lubricants & Sealants. He is a Chemical Technologist with Post Graduate Diploma in Marketing Management.



Ms. Anita Kedia, Waste Management, Inc.

Anita is a Senior Manager for Business Development with over 15 years of experience in sustainable business strategies and project management. She leads strategic business activities for WM Sustainability Services, focusing on developing zero waste policies, sustainable supply chains, product and packaging design, and environmental efficiency programs for Fortune 500 companies. Anita has frequent speaking engagements at sustainability conferences, including GreenBuild, American Institutes of Architects, International Council of Shopping Centers (Retail Green), Sustainable Cosmetics Summit, and the US-India Business Council Conclave of Smart Cities. Her previous experience includes developing LEED Certified retail complexes, consulting on green building solutions, and creating energy management strategies for commercial properties. In 2012, Anita served on the prestigious U.S. Department of Homeland Security Sustainability and Efficiency Task Force. She is a LEED Accredited Professional and LEAN Six Sigma Green Belt, has a B.A. in Religious Studies, and is fluent in Spanish and Hindi.



Ms. Alka Upadhyay, AVP, Tata Sustainability Group

Ms. Upadhyay heads the Environment Services Team for Tata Sustainability Group, and is responsible for promoting environmental sustainability across the Tata group of companies by driving various initiatives such as Water Footprint Assessment, Low Carbon strategy and Energy management, Natural Capital Valuation and the concept of Circularity. Her work involves meeting C-suite executives, identifying and developing improvement plans and securing senior-level commitment for their implementation. She is a metallurgist by discipline, having spent over 14 years in the steel industry, and received the Young Metallurgist award in 2005 from the Ministry of Steel. She has over 17 years of experience in areas encompassing operation, technology development, customer support and climate change.



Mr. Anirban Ghosh, Mahindra Group

Mr. Ghosh has worked at Mahindra Group since 1999, and currently serves as Vice President, Sustainability. During his tenure with Mahindra he helped Mahindra's tractor business become the largest in the world, and served as President of the tractor business in the United States of America. His roles have included Sales, Marketing, Strategy and New Business Development. He led the implementation of award-winning shared value projects such as Watershed Development, and has taken a strategic approach to the Group's social investments. The Strategy work done by his team led to a white paper

on enabling the second green revolution in India. Prior to joining Mahindra Mr. Ghosh has worked in the Information Technology and Office Automation industries in Sales and Marketing roles. He has served on the committees of a number of Industry Associations including the Board of the Association of Equipment Manufacturers, USA. He has also been guest or visiting faculty at a number of institutes in India including IIT Ahmedabad and IIT Indore. He received a B.Eng. from Jadavpur University, Calcutta, and pursued doctoral studies in Marketing Management at IIM Ahmedabad.



Ms. Deeksha Vats, Aditya Birla Group

Deeksha is head of environmental sustainability at Aditya Birla Group. She has more than 20 years of experience across diverse industry sectors and has a strong background in all aspects of sustainability. She has led numerous project and initiatives in the areas of corporate sustainability strategy and reporting; environmental policy issues; environmental and social due diligence; environmental management solutions and systems; climate change mitigation including development of CDM projects;

greenhouse gas accounting, water, waste management, among others. Deeksha received a B.E in civil engineering from Delhi College of Engineering and a M. Tech in Environmental Science and Engineering from IIT Mumbai. She began her career at the prestigious engineering consultancy firm Engineers India Limited, worked at Chemtex Engineering, and then worked at the professional services firms Ernst & Young and PriceWaterhouseCoopers. Currently she works with Aditya Birla group companies for management of environmental aspects including climate change, renewable energy, biodiversity, water, waste, and emissions.

Plenary Panel Session 2



Mr. Pundlik Awate, Municipal Corporation

Mr. Awate is Chief Engineer at the Municipal Corporation of Mumbai. A Mechanical Engineer from VJTI, Mumbai, has been working with Brihanmumbai Municipal Corporation during the last 34 years in various capacities. His principal area of experience is preparation of master plans for the processing and disposal of sewage and solid waste. Among the major project plans that he has conceived and prepared are the Mumbai Sewerage Disposal Project, Master Plan for Sewage Treatment & Disposal facilities, Closure of Gorai Dumpsite Project with CDM Benefit, and the Bio-Reactor Landfill at Kanjur. Currently he is handling a number of projects that address Waste to Energy, Recycling of Construction & Demolition Waste, and Bioremediation of Old Dumpsites.

Mr. R.A. Rajeev, Joint Secretary, Dept. of Atomic Energy



Shri R.A. Rajeev assumed the charge of Joint Secretary (Finance) in the Department of Atomic Energy on October 1, 2014. He has 27 years of extensive experience in many areas including land revenue and district administration, rural development, environment and forest, environment and pollution control, textiles, agriculture and co-operation, and urban development. In particular, he has substantial experience in handling urban and environmental issues of urban local bodies including City of Mumbai. He has received training in the United Kingdom and the United States of America on rural poverty alleviation. He is a graduate in Political Science, English Literature & Mathematics, and received postgraduate degrees in Political Science from Allahabad University and in Public Administration from the Maxwell School, University of Syracuse, New York, USA.

Day 2

Parallel Sessions 1 to 3



Mr. Jose Jacob, Antony Waste Management

Mr. Jose Jacob is Director of Antony Motors P Ltd., and has 20 years of work experience in the area of waste management. He is a Founder, Shareholder, and Promoter of Antony Waste Handling Cell P Ltd., a market leader in municipal solid waste management projects in India. The company owns and operates approximately 1000 vehicles and employs about 4000 people across the country. It was awarded India's largest solid waste management project in Mumbai, working with a Brazilian company to process 4000 tons of solid waste per day. Mr. Jacob's team has implemented similar projects for municipal corporations in Amritsar, Gurgaon, Delhi, Greater Noida, and Jaipur, and earned second place in the CII-JCB-APTDC award for excellence in solid waste management projects at the National level.



Mr. Arackal Shine, Envac India

Mr. Shine is Managing Director of Envac India, a wholly-owned subsidiary of Envac AB, Sweden. He serves as the Director and India Head of Envac Environmental Technology Pvt Ltd and has been with Envac since its inception in India. Mr. Shine has been instrumental in establishing Envac in India, and has 21 years of experience in the engineering and manufacturing industries. He started his career with US MNC Otis Elevator India Limited. He worked as a Manager in Demag Cranes, a German MNC into material handling solutions. He worked as Regional Manager – South & West India at US MNC Wotek. He is also a certified SAP consultant with expertise in manufacturing applications. Mr. Shine is a graduate electrical engineer from M A College of Engineering of Mahatma Gandhi University, Kerala, and earned his Master's of Business Administration from Cochin University of Science & Technology, Cochin.

Mr. Sydney Lobo, Tata Power Company



Mr. Lobo joined Tata Power in December 2008 as Head of Sustainability, and then was promoted to Head of Clean Technology Projects. He and his team are evaluating renewable energy technologies, distributed generation systems, improvement of operational efficiency, and other clean technologies. He obtained his B.E. in Civil Engineering from Mumbai University and M.S. in Environmental Health Engineering from the University of Kansas, USA. He began his career with Tata Consultancy Services, Pune on consultancy projects in Environmental Engineering and Sciences, and continued his career in the field of environmental engineering design at Kirloskar Consultants Limited. His longest stint in the Environmental field was at Reliance Industries Limited, as General Manager, Corporate Environment, where he provided technical assistance to the Health, Safety & Environment groups at various manufacturing locations and project groups of Oil & Gas, Petrochemicals, Refineries, Pipelines, Terminals, Coal Bed Methane, Life Sciences, Special Economic Zones, Biotech, and others.



Dr. Biplab Patnaik, Life Link

Dr. Patnaik is Founder & Managing Director of Life Link, a for-profit green social business initiative founded in 2001, focused on Soil Biotechnology and Environmental Engineering Solutions for rural and urban waste recycling, sanitation and water quality improvement. Dr. Patnaik received his B.Tech in Biochemical Engineering HBTI, from Kanpur, and Ph.D. from IIT Bombay.

He has been actively involved in projects with IIT, and mentors young engineering students willing to delve into experimentation and active field work. Dr. Patnaik was selected for an award as one of the “50 Most Impactful Leaders in Water & Water Management” at the World Corporate Social Responsibility (CSR) Congress in 2016. He has developed a patented approach to prevent human waste in rural areas from being dumped into local water bodies.



Ms. Medha Tadpatrikar, Keshava Plastics

Dr. Tadpatrikar, a serial entrepreneur, is a Director of Mantraa Research & Consultants Pvt Ltd, Phoenix General Insurance Brokers Pvt Ltd and Rudra Environmental Solutions (India) Ltd. She co-developed a pilot machine in 2010 that successfully converted waste plastic into usable fuel, and the company now operates two plants in and around Pune. Medha is a trustee of Keshav Sita

Memorial Foundation Trust, which collects waste plastic from more than 15,000 households, hotels and offices in and around Pune, as well as a number of other cities and towns. Medha holds an MBA from Nottingham University, UK and an LLB from Pune University, and a Ph.D. in Branding. She has published scholarly papers on management and marketing research in several leading international journals, and conducts lectures and seminars on communication, branding and women empowerment in various colleges and institutes across Maharashtra.



Mr. Ulhas Parlikar, ACC Cement

Mr. Parlikar is Deputy Head of Geocycle India, a division of ACC Limited. Previously he worked for Hindustan Lever and National Peroxide Limited. He holds a B. Tech from Osmania University and a M. Tech from IIT Chennai in Chemical Engineering. He has broad experience in policy advocacy, functional management, marketing, project management, process design and engineering,

strategic planning, research and development, and technology transfer. He authored a chapter on AFR co-processing in “Low carbon technology road map for the Indian Cement Industry” published by IEA and WBCSD. He is an invited member of the committee formulated by CPCB and MoEFCC for preparing guidelines on SMC disposal, an invited member of the MoEFCC working group for drafting hazardous waste management rules, chairman of the CII project on increasing AFR utilization in the Indian cement industry, and chairman of the advisory committee for the SRI India Plastic Project of WRFA.

Parallel Sessions 4 to 6



Tejashree Joshi, Godrej Group

Ms. Joshi is Deputy General Manager for Environment & Sustainability at Godrej & Boyce Mfg. Co. Ltd. Mumbai. Her primary responsibilities are management of compliance with environmental laws, as well as Sustainability initiatives such as environmental studies and planning for new projects, conceptualizing and implementing comprehensive water and waste management projects to achieve positive water balance and zero waste targets, green building design and operation, carbon mitigation by green cover management, biodiversity indexing and management. and many other initiatives in line with the company's strategic objectives. She also contributes as a core team member for the Sustainability framework implementation and annual reporting on triple bottom line performance per the Global Reporting Initiative. Ms. Joshi holds a Bachelor of Engineering degree with Environmental specialization and a Master's degree in Business Management.



Mr. Keith Weitz, Research Triangle Institute

Mr. Weitz is Director of Sustainability and Resource Management at RTI, where he works with clients to conduct waste sector research including management strategy analyses, greenhouse gas (GHG) emissions inventory and mitigation analyses, life-cycle assessments, and technology assessments. He leads the development of a computer-based decision support tool for evaluation of alternative solid waste management strategies, and leads work to assess the vulnerability of the waste sector infrastructure to climate impacts, such as sea level rise, in coastal regions. He also works with clients to understand the cost, energy, and environmental aspects of emerging waste-to-energy technologies such as gasification, pyrolysis, hydrolysis, and anaerobic digestion. He holds a Master's in Environmental Management from Duke University and a BA in Economics and Business Administration from Augustana College.



Dr. Dilip Kulkarni, Jain Irrigation

Dr. Kulkarni is President of Jain Irrigation's agro and food processing group, and has been instrumental in developing the company's sustainability program across the value chain. He is responsible for developing linkages with other organizations including public-private partnerships within India and internationally. He is the recipient of multiple awards and certificates, including IFC Inclusive Agribusiness Leader for 2011 and 2012. He holds a Master's and a Ph.D in Food Technology from CFTRI, Mysore, and was appointed Professor and Head of Food Science and Technology at Marathwada Agricultural University. He has been a DANIDA Fellow in Denmark, consultant in Indonesia, advisor and visiting professor in Mauritius, and visiting professor to the Chinese academy of sciences in China. He has served on numerous advisory bodies including the expert group in the area of secondary agriculture of biotechnology, as well as the Rajiv Gandhi Science and Technology Commission for Food Technology Park.



Mr. Ashish Jain, Indian Pollution Control Association

Mr. Ashish Jain is a post graduate in Environmental Science and Four Director of the non-profit Indian Pollution Control Association (NGO), Director in RecMech Enviro Pvt. Ltd., Avasa Technologies Pvt. Ltd., Air Quality Management Services, and Parshvi International. He has more than 15 years of experience in recycling municipal solid waste, electronic waste, and hazardous waste, and has developed a network of recyclers across India. He has planned and implemented solid waste management projects for towns and cities, as well as corporate and educational campuses, including introduction of new technologies for waste minimization and recycling with minimal environmental impact. He has also developed manual and electric balers for waste traders in rural areas, and has done research on vermicomposting technology to treat bio-degradable organic waste. At the grass roots level he works with the informal sector to improve the social and economic status of rag-pickers.

Ms. Jessica Hines, Purpose PBC



As a Campaigns Director at Purpose Climate Lab, Ms. Hines delivers campaign ideas and execution grounded in deep experience and understanding of best practice and cultural specificity. At Purpose Climate Lab, she has worked with the India team since its inception. Before joining Purpose, Jessica worked with the film and TV industries in India and the UK, wrote a book about Indian megastar Amitabh Bachchan called “Looking For The Big B— Bollywood, Bachchan and Me,” ran her own branded digital content business in India and the UK, served as the brand development manager for a hair and beauty brand, and worked with the London mayor’s office and British government programming state and mayoral visits to India. Jessica graduated from The School of Oriental and African Studies at London University, BA Hons and then got an MA from The British Film Institute.



Ms. Kavya Raman, Barefoot College

Ms. Raman is a Fellow with the State Bank of India’s “Youth for India” fellowship program, working for Barefoot College in the field of environmental protection. She received a Bachelor’s degree in Technology in Electrical and Electronics Engineering from GITAM University, Visakhapatnam. After graduation, she worked in the field of analytics as a decision scientist for 3 years at Mu Sigma, Bangalore. At Barefoot College, her current work is focused on developing Waste Management Systems and raising awareness about the WASH (water, sanitation and hygiene) agenda among rural areas in and around Tilonia, Ajmer, Rajasthan.

Concluding Plenary Session



Ms. Ashima Sukhdev, Ellen MacArthur Foundation

Ashima leads the Ellen MacArthur Foundation's Government & Cities Programme, which focuses on supporting public bodies – at the national, regional, and city level – in setting the right enabling conditions for the transition to a circular economy. Ashima's previous work at the Foundation has included leading projects for the Business and Insights & Analysis teams, and a secondment to the World Economic Forum's circular economy initiative. Prior to joining the Ellen MacArthur Foundation, Ashima worked with the Strategy & Operations group of Deloitte Consulting in New York, focused on the Pharmaceutical and Health Insurance industries. Ashima graduated *summa cum laude* from the University of Pennsylvania with a Bachelor of Arts in Economics and Sustainability & Environmental Management.



Dr. Prasad Modak, Environmental Management Centre

Prasad Modak runs a strategic consultancy, Environmental Management Centre LLP, which is focused on sustainability, and is Director of Ekonnnect Knowledge Foundation. He served as Chief Sustainability Officer at IL&FS Ltd and was the first Dean of IL&FS Academy for Applied Development. He has worked with most key developmental institutions in the world, as well as the Governments of India, Bangladesh, Egypt, Indonesia, Mauritius, Thailand and Vietnam. Dr Modak has authored numerous books and over 400 consulting reports, and trained more than 6000 professionals worldwide. In 2015, he was invited to serve on the prestigious Indian Resources Panel by the Ministry of Environment, Forests & Climate Change. An alumnus of IIT Bombay, he holds a doctorate from the Asian Institute of Technology, Bangkok. He was a Professor in the Centre for Environmental Science and Engineering at IIT Bombay between 1984-1995, and currently is Adjunct Professor at the Centre for Technology Alternatives in Rural Areas.



Mr. Samir Unhale, Municipal Commissioner, Nanded

Mr. Unhale is a practitioner in Urban affairs dealing with Urban Infrastructure, Water and Sanitation, Poverty Alleviation, and Smart Urban Governance. He is currently Working as the Municipal Commissioner, Nanded Municipal Corporation, India. He previously worked as the Mission Director of the Swachh Maharashtra Mission, State Nodal Officer for the Urban Infrastructure and Governance Sub-mission under JNNURM, Maharashtra. Mr. Unhale has also worked with the Mumbai Metropolitan Regional Development Authority, and has coordinated the efforts of multilateral agencies on Environmental projects. He has introduced major revenue enhancement and stabilization of Municipal finance and has helped to initiate innovative projects in urban transport and community programs to provide citizen feedback.



Mr. James B. Fennell, U.S. Consulate General

James Fennell is a U.S. Foreign Service Officer currently serving as Cultural Affairs Officer (CAO) at the U.S. Consulate General in Mumbai, India where he manages all cultural, educational, and exchange programs. Mr. Fennell served previously as CAO in Baghdad and as Public Affairs Officer at the U.S. Department of State, Office of the Haiti Special Coordinator, in Washington, D.C. His career with the Department of State includes prior assignments in Peru, Iraq, Kuwait, and the Democratic Republic of Congo. He also has prior overseas experience in France and Haiti. Before becoming a Foreign Service Officer, Mr. Fennell was a writer and public relations manager in New York and Washington, D.C. Originally from New Jersey, he has a B.A. in journalism from Rutgers University and an M.A. in international affairs from The American University. He also studied for one year at the University of London.