



RASSE 2023: PROGRAMME OVERVIEW

DAY 0 (Nov. 8, Wednesday) - Tutorials	
13:30-15:00	Tutorial 1 - Reliability Design of Complex Systems - Modelling and Efficient Simulation Dr. Armin Zimmermann Ilmenau University of Technology & Systems and Software Engineering, Germany
15:00-15:30	Coffee Break
15:15-16:45	Tutorial 2-Reinforcement Learning based Control System Design Dr. Sohom Chakrabarty Indian Institute of Technology, Roorkee, India

DAY 1 (Nov. 9, Thursday) – Inauguration, Keynote and Research Tracks	
08:30-09:30	Registration and Welcome Coffee
09:30-10:30	Inaugural Session
10:30-10:45	Coffee break
10:30-12:30	Keynote Talk 1- Smart Observer for Working Conditions in Distant Water Fisheries Pao-Ann Hsuing, Chief Information Officer, Director of Taiwan-India Joint Research Centre on AI, and Professor, National Chung Cheng University, Taiwan
	Keynote Talk 2- Challenges in Translating Research from Lab to Land (products/solutions) Ramesh Loganathan, Professor Co-Innovation/Outreach, Indian Institute of Information Technology Hyderabad, India

	Keynote Talk 3- Investigation on the Control Techniques for Grid-tied Solar PV System Chiti Babu, Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kancheepuram, India				
	Keynote Talk 4- Importance of Engineering Research and Innovation in Advancing Sustainability Chithirai Pon Selvan, Director – Research, Head of Faculty, Head of School – Science and Engineering, Curtin University, Dubai				
12:30-13.30	Lunch				
13.30-14.00	Keynote Talk 5- Medical Imaging Wei-Min Liu National Chung Cheng University (CCU), Taiwan				
14.00-14.30	Keynote Talk-6 - Optimization/ systems engineering Mr.Vinay Ramanath Principal Expert R&D at Siemens Technology, Siemens, India				
14:30-16:00	Research Track 1 Session 1 Machine Learning	Research Track 2 Session 2 Computer Systems and Networks	Research Track 3 Session 3 VLSI and Embedded Systems	Research Track 4 Session 4 Signal Processing and Communication Systems	Research Track 5 Session 5 Robotic and Control Systems
16:00-16:15	Coffee break				
16:15-17:15	Research Track 1 Session 6 Machine Learning	Research Track 2 Session 7 Computer Systems and Networks	Research Track 3 Session 8 VLSI and Embedded Systems	Research Track 4 Session 9 Signal Processing and Communication Systems	Research Track 5 Session 10 Robotic and Control Systems

DAY 2 (Nov. 10, Friday) – Industry Forum	
	Theme: Exponentially Disruptive Technologies (EDT) catalysed by Industry 6.0/2030, generative AI / AGI, metaverse, blockchain, quantum computing, new compute, and added transformative innovations in all domains: Implications for Business, Investments, Education, Governments, new technologies, and Society

	<p>1. Accelerating Innovation for a Sustainable Future</p> <p>2. Pioneering the Digital Frontier: Metaverse, Web3.0, and Beyond</p> <p>3. The Next Computing Revolution: New Compute and Biomedical Breakthroughs</p> <p>4. Navigating the Ethical and Social Landscape of EDT Adoption</p>
08:30 -11:15	<p>Industry Forum Opening Naveen John Punnoose Chair, Industry Forum</p> <p>Keynote Talk 1- Stephen Ibaraki REDDS Capital, Canada</p> <p>Keynote Talk 2- Dinesh Thampi, Tata Consultancy Services, India</p> <p>Keynote Talk 3- Sunil Kumar Vuppala Director - Data Science, Ericsson, India</p> <p>Keynote Talk 4- Ashutosh Garg The Brand Called You, Guardian Pharmacy, India</p> <p>Keynote Talk 5- Deepak Waikar Singapore Institute of Technology, Singapore</p> <p>Keynote Talk 6- Sivakumar Opal-RT Technologies, India</p>
11:15-11:30	Coffee break
11:30-13:00	<p>Expanding Role of AI/AGI in Traditionally Human-centric Industries Keynote - Paul Lee, Founder and CEO, Mind.ai, South Korea Moderator - Naveen Punnoose, Saintgits College of Engineering Panelist 1 - Dileep Viswanathan, Engineering Program Manager, Hewlett Packard Enterprises Panelist 2 - Nikhil Malhotra, CIO Tech Mahindra Panelist 3 - Sunil Kumar Vuppala, Director - Data Science, Ericsson Panelist 4 – Chen-Kuo (Adrian) Chiang – Associate Professor, National Chung Cheng University</p>
13:00-14:00	Lunch
14:00-15:30	<p>Blockchain as an Exponentially Disruptive Technology - Applications and Implications Keynote - Gigo Joseph, VP, Chainyard, India Moderator - Jubilant Kizhakethottam, Saintgits College of Engineering Panelist 1 - Dinesh Thampi, VP and Delivery Head, TCS Panelist 2 - Gigo Joseph, VP, Chainyard Panelist 3 - Panchami V, HoD, CSE, IIIT Kottayam Panelist 4 - Chintan Oza, Anantam ecosystems</p>
15:30-16:00	Coffee break
16:00-17:30	<p>Accelerating Innovation for a Sustainable Future Keynote - Mr Jijimon Chandran, CEO and Founder, Acsia Tech, India</p>

	Moderator - Ashutosh Garg , The Brand Called You, Guardian Pharmacy Panelist 1 - Ajith Gopi , ANERT Panelist 2 - Jijimon Chandran , CEO and Founder, Acsia Tech Panelist 3 - Chocko Valliappa , Vee Technologies, Sona Group Panelist 4 - Deepak Waikar , Singapore Institute of Technology Panelist 5 - CJ George , Founder and MD, Geojit Financial Services
17.30	Cultural Evening
19:00	Conference Banquet

DAY 3 (Nov. 11, Saturday) – Research Focus and Special Tracks				
9.30-12.00	Workshop AI for Reduced Order Modelling in Complex Engineering Systems using MATLAB & Simulink Dr.Debanand Singdeo , MathWorks India		Special Session Privacy and Security of Big Data in Electrical Smart Grid Applications. Dr. Vivekanandan , National Institute of Technology- Silchar, Assam Dr.Ritesh Dash, Dr. Kalvakurthi Jyotheeswara Reddy & Dr.Saahithi S- REVA University, Bengaluru	
9:30-11:00	Research Track 2 Session 11 Computer Systems and Networks	Research Track 4 Session 12 Signal Processing and Communication Systems	Research Track 6 Session 14 Energy and Power Electronics Systems	Short Papers
11:00-11:15	Coffee Break			
11:15-12:45	Research Track 2 Session 15 Computer Systems and Networks	Research Track 4 Session 16 Signal Processing and Communication Systems	Ph.D. Forum	
12:45-13:00	Conference Close			

