

**53<sup>rd</sup> Wireless World Research Forum (WWRF)**  
**Feb 18<sup>th</sup> to 20<sup>th</sup> 2025**

**Program Schedule**

<b>Day 1: Tuesday 18<sup>th</sup> February 2025</b>	
<b>Registration (Starting from 9:15 AM) and Breakfast (9:15 AM to 10 AM), Location: Auditorium</b>	
<b>Opening Session (10:00 – 11:30)</b>	
<b>Session Chair: Shri Bharat Bhatia, WWRF Vice Chair – Asia &amp; President IAFI, Room Number: F101</b>	
10:00 – 10:40	Prof. Paresh Saxena, BITS Pilani Hyderabad Campus (Welcome Address) Shri Bharat Bhatia, WWRF Vice Chair – Asia & President IAFI Dr. Nigel Jefferies, WWRF Chairman, UK Prof. Sanket Goel, Dean of Research & Innovation, BITS Pilani Prof. P. Yogeeswari, Dean of Administration, BITS Pilani Hyderabad Campus Prof. Soumyo Mukherji, Director of BITS Pilani Hyderabad Campus
10:40 – 11:20	Prof. Matti Latva-aho, Director for 6G Flagship, University of Oulu, Finland
11:20 – 11:30	Prof. Nikumani Choudhury, BITS Pilani Hyderabad Campus (Vote of Thanks)
<b>Coffee Break (11:30 – 12:00), Location: LTC Foyer</b>	
<b>Plenary Session 1: Role of Distributed Learning in Edge Artificial Intelligence (12:00 – 13:30)</b>	
<b>Session Chair: Prof. Manik Gupta, Associate Professor, BITS Pilani, Room Number: F101</b>	
12:00 – 12:30	Prof. Yogesh Simmhan, Associate Professor, Indian Institute of Science
12:30 – 13:00	Dr. Alok Rajan, AI/Research Architect, Bosch
13:00 – 13:30	Dr. Amod Anandkumar, Director of Engineering, Harman Automotive
<b>Lunch Break (13:30 – 14:30), Location: Auditorium</b>	
<b>Plenary Session 2: Role of joint sensing and communication in Digital Health (14:30-16:00)</b>	
<b>Session Chair: Dr. Nigel Jefferies, WWRF Chairman, UK, Room Number: F101</b>	
14:30 – 15:00	Dr. Sushmitha Sundar, Head - Life Sciences, Research and Innovation Circle of Hyderabad
15:00 – 15:30	Dr. Nuwan Weerasinghe, Consultant, WHO Regional Office for Europe, UK
15:30 – 16:00	Shri. Gaurav Mojasia, General Manager- Product & Engineering, AIG Hospitals
<b>Coffee Break (16:00 – 16:30), Location: LTC Foyer</b>	
<b>Plenary Session 3: Connected Vehicles (16:30-18:30)</b>	
<b>Session Chair: Prof. Seshadri Mohan, University of Arkansas at Little Rock, USA, Room Number: F101</b>	
16:30 – 17:00	Prof. Madhav Krishna, Professor, IIIT Hyderabad
17:00 – 17:30	Prof. Abhishek Mukopadhyay, Assistant Professor, Amity University, Kolkata
17:30 – 18:00	Prof. Pradipta Biswas, Associate Professor, Indian Institute of Science
18:00 – 18:30	Dr. Kentaro Ishizu, NICT Japan
<b>Dinner (19:00 – 20:30), Location: Auditorium, 1<sup>st</sup> Floor</b>	
<b>&amp;</b>	
<b>Flute performance (18:30-20:00) by Sri. Ronu Majumdarji</b>	
<b>(Location: Auditorium, Courtesy: Virasat-Vistaar 2025)</b>	
<b>END OF DAY 1</b>	

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<b>Day 2: Wednesday 19<sup>th</sup> February 2025</b>		
<b>Registration (Starting from 9:00 AM) and Breakfast (9 AM to 9:30 AM), Location: Auditorium</b>		
<b>Plenary Session 4: Non-Terrestrial Networks for 6G (9:30 – 11:00)</b> <b>Session Chair: Prof. Angeliki Alexiou, Professor, University of Piraeus, Greece, Room Number: G204-A</b>		
9:30 – 10:00	Dr. Punit Rathore, Lead – Technical Standards, Qualcomm	
10:00 – 10:30	Shri. Bharat Bhatia, WWRF Vice Chair - Asia and President, IAFI	
10:30 – 11:00	Prof. Mohamed-Slim Alouini, Professor, King Abdullah University of Science and Technology (KAUST), Saudi Arabia	
<b>Coffee Break (11:00 – 11:30), Location: G204-A</b>		
<b>Plenary Session 5: Standards: Progress for 5G and Roadmap for 6G (11:30 – 13:00)</b> <b>Session Chair: Shri Bharat Bhatia, WWRF Vice Chair – Asia, President IAFI, Room Number: G204-A</b>		
11:30 – 11:55	Dr. Sendil Kumar Devar, General Manager, Ericsson	
11:55 – 12:20	Prof. Angeliki Alexiou, Professor, University of Piraeus, Greece	
12:20 – 12:45	Shri. Madhukar Tripathi, Associate Director, Anritsu India Pvt. Ltd.	
12:45 – 13:10	Shri. Rajesh Kumar Pathak, Director General, Bharat 6G Alliance	
<b>Lunch Break (13:10 – 14:00), Location: Auditorium</b>		
<b>Plenary Session 6: Green Wireless Networking: Current Trends and Future Prospective (14:00 – 15:30)</b> <b>Session Chair: Dr. Vinod Kumar, Treasurer WWRF, France, Room Number: G204-A</b>		
14:00 – 14:30	Dr. Subhankar Pal, Senior Director, Capgemini	
14:30 – 15:00	Prof. Moustafa M. Nasralla, Associate Professor, Prince Sultan University, Saudi Arabia.	
15:00 – 15:30	Prof. Malika Meghjani, Assistant Professor, Singapore University of Technology and Design (SUTD)	
<b>Coffee Break (15:30 – 16:00), Location: G204-A</b>		
<b>Women in Science &amp; Engineering (16:00 - 17:00), Room Number: G204-A</b> <b>Session Chair: Prof. Runa Kumari, BITS Pilani and Session Moderator: Prof. Barsha Mitra, BITS Pilani</b>		
Dr Balamati Choudhury, Senior Principal Scientist, CSIR-National Aerospace Laboratories, Bangalore, India.		
Dr. Madhumita Chakravarti, CMSDS, DRDO lab, Kolkata		
Dr. Anuradha Vattem, Lead Architect of the Smart City Living Lab, IIIT Hyderabad		
<b>Break (17:00-17:15)</b>		
<b>Working Group Paper Presentations (17:15 – 19:00)</b>		
<b>Working Group C &amp; 6G – Paper Presentation</b> Location: G204-A <ul style="list-style-type: none"> <li>Paper #27 - MAAL: Multi-Agent Adaptive Learning for video delivery over wireless networks.</li> <li>Paper #51 - Edge-Optimized Cloud Detection and Segmentation Using ResNet.</li> <li>Paper #52 - SDN-Enabled Energy-Aware Routing and Distribution for Circular Sustainable Industrial Ecosystems: A Dynamic Optimization Approach.</li> <li>Paper #21 - A Review on Emotion and Fluency Analyzer using Image Processing and Audio Extraction.</li> <li>Paper #39 - Computation Offloading in NTN-empowered MEC Systems: Distributed Deep Reinforcement Learning Frameworks.</li> </ul>	<b>Working Group A/B – Paper Presentation</b> Location: F206 <ul style="list-style-type: none"> <li>Paper #24 - Real - Time Aqua-Culture Pollution Identification Using Deployed RC Boat and IoT: A Step Towards Sustainable Aquatic Environments</li> <li>Paper #38 - Multilingual Sign Language Recognition and Text-to-Speech Conversion using CNNs and NLP Techniques</li> <li>Paper #44 - A Low Cost IoT based Monitoring for Aquaculture using AI</li> <li>Paper #58 - Enhancing LoRaWAN Scalability with Intelligent Relay Buffering and Traffic Prioritization for IoT Applications</li> </ul>	<b>Working Group D &amp; HF – Paper Presentation</b> Location: F101 <ul style="list-style-type: none"> <li>Paper #9 - Design and Analysis of Millimeter-wave Antenna for New Radio (NR) 5G Bands Supporting a Green Wireless Future</li> <li>Paper #26 - Multi-Standard Reconfigurable OFDM Transceiver for UAV Applications</li> <li>Paper #45 - Reconfigurable Intelligent Surfaces in Cooperative NOMA: A Review of Key Concepts and Applications</li> <li>Paper #13 - An Efficient Robust Localization Framework Leveraging LoRa 2.4 GHz Two-Way Time of Arrival: Implementation and Experimental Analysis</li> </ul>
<b>END OF DAY 2</b>		

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<b>Day 3: Thursday 20<sup>th</sup> February 2025</b>	
<b>Registration (Starting from 9:00 AM) and Breakfast (9:00 AM to 9:30 AM), Location: Auditorium</b>	
<b>Plenary Session 7: Bridging the Digital Divide for a Sustainable Future: Opportunities and Challenges with B5G and 6G (9:30-11:05)</b>	
<b>Session Chair: Prof. Sudhir Dixit, Basic Internet Foundation, USA, Room Number: G204-A</b>	
9:30 – 9:55	Dr. Dilip Krishnaswamy, Executive Vice President, C-DOT, Bangalore
9:55 – 10:20	Prof. Kiran Kuchi, Professor, IIT Hyderabad
10:20 – 10:45	Dr. Abhishek Thakur, CTO, IDRBT, Hyderabad
10:45 – 11:05	Dr. Shruthi Koratagere Anantha Kumar, Research and Innovation Associate at the University of Strathclyde, UK
<b>Coffee Break (11:05 – 11:30), Location: G204-A</b>	
<b>Plenary Session 8: Cybersecurity in 6G and Future Networks (11:30 – 13:00)</b>	
<b>Session Chair: Prof. Knud Erik Skouby, University of Aalborg, Denmark, Room Number: G204-A</b>	
11:30 – 12:00	Shri. Prabhat Arora, Senior Director of Engineering, Axiado
12:00 – 12:30	Prof. SoKal Kosta, Associate Professor, Aalborg University, Denmark
12:30 – 13:00	Shri. Deepak Maheshwari, Public Affairs Advisory Board, Palo Alto Networks
<b>Lunch Break (13:00 – 14:00), Location: Auditorium</b>	
<b>Plenary Session 9: Future of Chip Design: Impact of Quantum Computing and Other Relevant Technologies (14:00-15:30),</b>	
<b>Session Chair: Prof. Soumya J, BITS Pilani, Room Number: G204-A</b>	
14:00 – 14:30	Prof. Amlan Chakrabarti, Professor, University of Calcutta
14:30 – 15:00	Shri. Shankar Ramakrishnan and Shri. Pandithurai Sangaiyah, Google
15:00 – 15:30	Dr. Sithu D Sudarsan, Executive Director, CDAC
<b>Coffee Break (15:30 – 16:00), Location: G204-A</b>	
<b>Working Group Paper Presentations (16:00 – 18:00)</b>	
<p style="text-align: center;">Working Group Cybersecurity – Paper Presentation Location: F206</p> <ul style="list-style-type: none"> <li>Paper #19 - Masked Face Recognition, age and gender identification using transfer learning on MobilenetV3</li> <li>Paper #34 - AI-Powered Smart E-Cheque Validation and Fraud Detection System</li> <li>Paper #36 - Adaptive Antenna Array for Jamming Mitigation Using SDR-Based Direction of Arrival Estimation</li> <li>Paper #53 - Securing the Future : Blockchain , AI, and Cybersecurity in Data- Protection</li> <li>Paper #57 - AI Agents and Their Capabilities &amp; Transactions on Blockchain</li> </ul>	<p style="text-align: center;">Working Group DTH, CV &amp; AI– Paper Presentation Location: G204-A</p> <ul style="list-style-type: none"> <li>Paper #20 - A hybrid approach to Parkinson’s disease detection using deep learning</li> <li>Paper #22 - Predictive Analysis of Mental Health Using Machine Learning for Depression Prediction</li> <li>Paper #32 - One-Class SVM for Anomaly Detection in WBANs: A Path to Energy-Efficient and Sustainable Digital Health</li> <li>Paper #8 - Accident Detection and Prevention system using IoT and VANET</li> <li>Paper #48 - Efficient Object Detection in LiDAR Point Clouds Using PointPillars Network</li> <li>Paper #42 - Smart Currency Recognition System with Integrated Facial Feature Analysis Using Machine Learning</li> </ul>
<b>Closing Session (18:00-18:30), Room Number: G204-A</b>	
<b>Hindustani Vocals (18:00 to 20:00) by Sri. Omkar Dadarkarji, (Location: Auditorium, Courtesy: Virasat-Vistaar 2025)</b>	
<b>END OF DAY 3</b>	