

Smart City Workshop 2026 (SCW26)

Programme Schedule

DAY 1 – March 2, 2026 (Monday)		DAY 2 – March 3, 2026 (Tuesday)	
	Prof. Syed Abdul Rahman Al-Haddad (UPM, Malaysia)		Prof. Jyotsna Bapat (IIIT B, India)
9:00 – 9:40 AM	Opening Session	9:00 – 9:20 AM	Guest talk:
	Opening remarks: Dr.Ritesh (Hitachi, India) Opening speech: Prof. Debabrata Das (Director of IIIT-Bangalore, India)		Prof. Devendra Jalihal (Director of IIT Guwahati, India)
9:40 AM	Keynote 1 - Mr. Bapu Bindumadhava <i>Chair: Prof. Syed Abdul Rahman Al-Haddad (UPM, Malaysia)</i>	9:30 AM	Keynote 3 Dr. N. Subramanian <i>Chair: Prof. Jyotsna Bapat (IIIT B, India)</i>
10:10 AM	(Break)	10:00 AM	(Break)
10:20 - 10:40 AM	Technical Session: Smart Network <i>Chair: Prof. Kalpana Dhaka (IIT Guwahati, India)</i>	10:10 - 10:50 AM	Technical Session: Smart Sensing & Intelligent Infrastructures <i>Chair: Prof. Sanju Ahuja (IIIT B, India)</i>
10:20 AM	4	10:10 AM	3
10:30 AM	18	10:20 AM	10
10:40 AM	20	10:30 AM	12
10:50 AM	(Break)	10:40 AM	13
11:00 - 11:45 AM	Technical Session: Micro/Millimeter wave devices	10:50 AM	19
11:00 AM	CMN-26-022		(Break)
11:15 AM	CMN-26-023	11:10 - 11:50 AM	Technical Session: Microwave & Biomedical Sensing Systems <i>Chair: Prof. Fakhrul Zaman Rokhani (UPM, Malaysia)</i>
11:30 AM	CMN-26-024	11:10 AM	8
11:45 AM	CMN-26-025	11:20 AM	9
12:00 PM	(Break) Lunch	11:30 AM	11
1:30 - 2:15 PM	Technical Session: Radar technology	11:40 AM	14
1:30 PM	CMN-26-026	11:50 AM	16
1:45 PM	CMN-26-027	12:00 PM	(Break) Lunch
2:00 PM	CMN-26-028	1:30 PM	Keynote 4 Prof. Shigeki Takeda (Ibaraki U, Japan) <i>Chair: Prof. Takashi Shimizu (Utsunomiya U, Japan)</i>
2:15 PM	CMN-26-029	2:00 - 2:45 PM	Technical Session: Smart Automation
2:30 PM	(Break)	2:00 PM	CMN-26-030
2:50 PM	Keynote 2 Prof. Jyotsna Bapat <i>Chair: Prof. R Venkatesh (IIT Madras, India)</i>	2:15 PM	CMN-26-031
3:20 - 3:50 PM	Technical Session: Wireless Communication Systems <i>Chair: Prof. Shaiful Jahari Hashim (UPM, Malaysia)</i>	2:30 PM	CMN-26-032
3:20 PM	1	2:45 PM	CMN-26-033
3:30 PM	7	3:00 PM	(Break)
3:40 PM	21	3:20 - 3:50 PM	Technical Session: Smart Mobile Control
3:55 PM	6	3:20 PM	CMN-26-034
	23 (reserved for additional papers)	3:35 PM	CMN-26-035
4:05 PM	(Break)	3:50 PM	CMN-26-036
4:25 - 5:40 PM	Technical Session: Systems for Smart Cities <i>Chair: Prof. Narayanan P. P. (IIIT B, India)</i>	4:05 PM	Closing remarks: Prof. Tadashi Kawai (Univ. of Hyogo, Japan)
4:25 PM	2	4:25 PM	Closing of Day 2
4:40 PM	5		
4:55 PM	15		
5:10 PM	17		
5:25 PM	22		
5:40 PM	Closing of Day 1		

Type - 1 Speakers		
Paper ID	Authors	Title
1	Sahil Mehra, Rohan Atre, Meghdeep Ray, Subhojeet Mukherjee, Ritesh Kalle	LCS-II: Active Reachability Inference for OT Attack Path Modelling
2	Takashi Shimizu	Comparative Evaluation of Low-Cost and Commercial VNAs for Ubiquitous Microwave Measurements
3	Takashi Takimoto	Realization of small figure detection using image AI in remote monitoring operations
4	Tamizhelakkiya K, Dibakar Das, Jyotsna Bapat, and Debabrata Das	Intent-Based Zero-Touch Network Management for Smart Cities
5	Keiichiro Inaba	Gastronomy Ecosystems for next generation Smart City : A Draft for Sapporo(Hokkaido, Japan) × San Sebastian (Basque, Spain) Collaboration
6	Thiruvengadam Samon, Sahil Mehra, Suresh Natarajan	Beyond the Data Chasm: A Multi-Dimensional Framework for Transition Finance and Financed Emissions Management in Indian Banking
7	Akhash Vellandurai , Ankit Sharma, Vinoth Kumar	ML-Driven Bluetooth-Based Proximity Detection for Automated Metro Fare Gates
8	Natsuki Sato, Futoshi Kuroki	Wide Range Sensing for Soil Moisture Content Using Antennas Buried in Soils
9	Shudai Izumi, Takato Shinhama, Futoshi Kuroki	Groundwater Detection Using Phase Variation of Reflection Coefficients at VHF Bands
10	Shaik Suheb Ahammed, Suhas Nagabandi, Narayanan P.P.	Capacitance-and-Dielectric-Conductance-to-Time Converter for Liquid-Based Capacitive Sensing
11	Gangula Monish Reddy, Surya Sumeet Singh, Narayanan P. P.	Design of a Water Level Sensor Independent of Liquid Properties With a Permittivity Deviation Study for Water Quality Assessment
12	Annapoorna GH, Indhu M, Sasirekha GVK, Jyotsna Bapa	Smart City Kitchen Waste Compost Management System
13	Tanmay Kumar, Rajan Samar, Narayanan P.P.	A Load-Cell-Based Sensor Array System for 3D Detection and Localization of Palletized Boxes
14	Tanushree Mana, Udiptya Saha, Narayanan Madaboosi, Mayilvahanan Bose, Thangarajan Rajkumar and V.V. Raghavendra. Sai	Plasmonic Fiber Optic Biosensor for Detection of DNA Methylation for Cancer Diagnostics
15	Sonal Sinha, Selamawit Getachew Tekle, Christina Grace Danny, V V R Sai	Development of an Array U-FOS System for Cryogenic Liquid Level Sensing
16	Maryann Ephraim Mampilly, Prof.V V Raghavendra Sai	Fabrication techniques for U- bent 0.25 mm POF: handling, bending and decladding for biosensing applications
17	Selamawit Getachew Tekle, Ganesh Indusekar, C M Rangan, V V R Sai	Design and Development of Automated U-bent Fiber Optic Sensor Array (UFOSA)
18	Saranathan D, Dr. Venkatesh Ramaiyan	A Lightweight Reliable Multi-Hop Wi-Fi Architecture for Smart City Edge Nodes Using ESP32
19	Akhash Vellandurai, Sheetal Kumar K R, Abhishek Kumar, Vinoth Kumar	Deep Reinforcement Learning for Opportunity Charging of Electric Bus Fleets Under Operational Uncertainty
20	Vigneshwaran N, Mridul Harish, Dr. Venkatesh Ramaiyan	IPFLOWG: A Lightweight Flow Logger for Embedded Routers
21	Barsha Das, Narayanan Madaboosi, Thomas Paulraj, V.V.R. Sai	Absorbance-Based U-FOS pH Sensor
22	Ken Takei	Decomposition of Elliptically Rotating Polarization Wave into Circularly Rotating Polarization Waves

Type - 2 Speakers		
Paper ID	Authors	Title
CMN-26-022	*Danang Kumara Hadi, Tomonori Sumiya, Seiya Kasahara, Haruto Narikiyo, Keita Suto, Zequn Song, Budi Rahmadya, Ran Sun, Shigeki Takeda	Estimation Area Enhancement for 2D RFID-Based Indoor Localization Using a Handheld Reader and Machine Learning
CMN-26-023	*Yoshinari Demoto, Sato Natsuki, Futoshi Kuroki	Theoretical and Experimental Investigations on the Electromagnetic Shielding Effect of Carbon Fiber Composite Materials from VHF to UHF Bands
CMN-26-024	Futoshi Kuroki, Yoshinari Demoto, Mototsugu Ohtani	Recent Research Activities on DTM Line at Millimeter-wave Frequencies
CMN-26-025	Tadashi Kawai	Design of Rectangular Planar Circuit Quadrature Coupler at Ka-Band
CMN-26-026	*Song Zequn, Sun Ran, Takeda Shigeki, Kumara Hadi Danang, Ishii Koji	Indoor Environment Reconstruction via Multi-View FMCW Radar Point Cloud
CMN-26-027	*Taisei Komukai, Shigeki Takeda, Ran Sun, Zequn Song	Distributed Millimeter-Wave Radars for Detecting Closely Spaced Targets with Large and Small RCSs
CMN-26-028	Ran Sun, Rei Ishitsuka, Yuto Sugawara, Shigeki Takeda	Multi-Target Sub-Millimeter Displacement Sensing Using Phase Information of Millimeter-Wave Radar
CMN-26-029	*Arnya Anandika, Ran Sun, Budi Rahmadya, Zequn Song, Shigeki Takeda	Enhancing Vulnerable Road User Safety through Radar-Based Impulsive Signaling and Envelope Detection
CMN-26-030	*Sharath Kumar, Prashant Kumar, Nestor Mariyasagayam	Prompt Specificity vs Model Size: Trade-offs in LLM-Based Web Automation
CMN-26-031	*Avinash Krishna, Munender Varshney, Marie Nestor Damian Mariyasagayam	Graph-Based Anomalous Transaction Detection in Offline CBDC Payments
CMN-26-032	*HISHAMUDEEN K, Siddharth Chouksey, Subhojeet Mukherjee, Ritesh Kumar Kalle	Using the LibAFL framework for LLM-driven Over-the-network Greybox Fuzz Testing of Operational Technology Firmware Components in Isolation
CMN-26-033	Kouji Hirata, Nao Maeda, Tomotaka Kimura	UAV Trajectory Design for Data Collection from Moving Animal Herds
CMN-26-034	Saima Mohan, Rajat Goswami, Vinay Chandraker, Pranay Verma, Bineet Kumar, Banerjee Kingshuk	Hybrid Data-driven Model using Operational CFD and Sensor Data for Efficient Hot-spot Prediction in Smart Spaces
CMN-26-035	*Vinay Chandraker, Bineet Kumar, Saima Mohan, Pranay Verma, Rajat Goswami	Predicting HVAC Setpoints for Target Indoor Thermal Comfort Using CFD-Informed Surrogate Modelling
CMN-26-036	Ken Takei	Stochastic Evaluation of Wireless Communication Quality in time-varying Radio Environment

Type-2 presentation	https://workshop.iee.or.jp/sbtk/cgi-bin/sbtk-showprogram.cgi?workshopid=SBW0000A3F3&lang=E
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