✎IEEE R10 HTC2025 Program [Tentative]

Search:

Title	Papers	Start time	End time	Rooms
Opening Ceremony & Invited Talks	**OC: Opening Ceremony & Invited Talks** 9:30-9:35 Opening Remarks,Kiyoharu Aizawa (LOC General Co-chair) 9:35-9:40 Greetings,Toshiro Hiramoto (Tokyo Section Chair) 9:40-10:00 Greetings & Introduction of R10 Activity,Takako Hashimoto (R10 Director) 10:00-10:30 Keynote Talk,Grayson Randall (IEEE HTB Chair) 10:30-11:00 Keynote Talk,Yasuhiro SOSHINO Ph.D. (Disaster Management Research Institute, Japanese Red Cross College of Nursing) 11:00-11:25 Keynote Talk,Chun Che (Lance) Fung (IEEE R10 Past Director 2025-2026) 11:25-11:55 Keynote Talk, Kazunori Ide (NX Tech (Gold Sponsor/Presenter)) 11:55-12:05 Keynote Talk, Eng. Thulfiqar Hoshi Khalaf (Iraqi Engineers Union President) and Dr. Hussain Falih Mahdi (University of Diyala, IEEE PES HAC Chairperson 2025) 702	2025-09-29 09:30:00AM	2025-09-29 12:00:00PM	702
Poster Session @ Entrance	**PS: Poster Session @ Entrance** *Thread-Level Parallelization Efficiency in Real-Time Drone Signal Analysis: a Comparative Study of DJI Drone Models* Riza Alaudin Syah (Universiti Teknologi Malaysia, Malaysia & DVI Solution Asia, Indonesia) *Towards 2030: Comparative Analysis of SDG Achievements in India, Indonesia and Japan Using Machine Learning Techniques* Sreekanth Bonthala (Madnapalle Institute of Technology and Science, India); Basabi Chakraborty (Iwate Prefectural University, Japan); Yukari Shirota (Gakushuin University, Japan) *A Measurement of Packet Delivery Rate and Signal Strength in LoRa Communication in Urban and Suburban Areas of Sapporo* Yuito Ishisaki, Kyotaro Kunii, Hiroshi Tsutsui and Takeo Ohgane (Hokkaido University, Japan) *Enhancing Quarry Management Using RTK-UAV LiDAR* Jieling Wu (Suwa University of Science, Japan) *A Mathematical Formalization of Vision-Driven Agent Models* Shuqi Hao, Toshiyuki Kaneda and Koichi Moriyama (Nagoya Institute of Technology, Japan) *Multiparameter Analysis of Gold Dissolution in Chloride-Hypochlorite Leaching of Philippine Ore* Rica Jan C. Ondoy (Mapúa Malayan Colleges Mindanao, Philippines); Gerald M Gumahad and Lea Krishia E. Capin (Department of Science and Technology, Philippines); Gernelyn T. Logrosa (Mapua Malayan Colleges Mindanao, Philippines) *A Contextual Readiness Model for Smart Learning Environment Implementation in Indonesian Higher Education* Rivaldi Rizalul Akhsan (Universitas Indonesia, Indonesia); Dana Indra Sensuse (University of Indonesia, Indonesia); Harry Budi Santoso (Universitas Indonesia, Indonesia); Ria Febrianti, Rf (University of Malang, Indonesia & State University of Malang, Indonesia) *Developing ADDIE-Based Motion Graphics for Enhancing Solid Waste Management Knowledge, Attitude, and Practice Among Generation Z* Raupert Martin C. Quinal, Virgianne Prissca A. Boiser, Alliya Kim S. Panes and Marie Gabrielle R. Ba-ang (Mapúa Malayan Colleges Mindanao, Philippines) *Blockchain-Enabled Explainable AI Framework for Secure UAV-Based Delivery in Telesurgery Systems* Krisha Shastri, Mahek Shah, Kajal Lochab, Priyal Bhinde, Lakshin Pathak, Dhrishita Parve and Rajesh Gupta (Nirma University, India); Sudeep Tanwar (Nirma University & Institute of Technology, India); Jitendra Bhatia (Nirma University, India) *Development of Music Materials for Special Needs Schools That Can Be Performed with Simple Operation* K. Ukaji (Nagoya University of Economics, Japan) *Smart Interactive IoT for Post Nuclear Disaster Landscapes: Towards Sustainable Human-Wildlife Coexistence* Haoran Hong and Daisuke Shimotsu (The University of Tokyo, Japan); Junya Kawase (University of Tokyo, Japan); Hill Hiroki Kobayashi (The University of Tokyo, Japan) *Meta-Analysis of Biomass-Derived Carbon Material from Agricultural Residue for Heavy Metal Adsorption* Carlo Venci V. Alageño, Joseph D. Dinauto, Herald Carl O. Jesalva and Rica Jan C. Ondoy (College of Engineering and Architecture, Mapúa Malayan Colleges Mindanao, Davao City, Philippines) *Exploring the Potential of Duckweed-Derived Materials in Mercury Removal: a Systematic Review* Lalaine Joan A Limbago, Althea Leen Berganio, Jesslien Kaye Cantil and Exelle Megan Delima (Mapúa Malayan Colleges Mindanao, Philippines) *A Low-Cost Edge ML System for Real-Time Drinking Water Contamination Detection* Asif Ahmed Joy and Mohaiminul Islam (Independent University, Bangladesh, Bangladesh); Tarem Ahmed (Independent University, Bangladesh (IUB), Bangladesh) *Edge-AI Technologies for Sustainability: a Comparative Analysis* Shadi Mahmoodi Khaniabadi (Polytechnic Institute of Viana Do Castelo (IPVC), Portugal); Salviano Soares (Universidade de Trás-os-Montes e Alto Douro, Portugal); Sergio Ivan Lopes (Polytechnic University of Viana Do Castelo, Portugal & CiTin - Centro de Interface Tecnológico Industrial, Portugal) *A Computational Approach for Incidence Prediction Models of Lung Cancer in Asia Countries* Kung-Min Wang, Chrestella Ayu Hernanda, Shih-Hsien Tseng and Kung-Jeng Wang (National Taiwan University of Science and Technology, Taiwan) *Predicting Breast Cancer Outcomes Using Integrated Machine Learning Classifiers* Khushi Kansara, Yug Trivedi, Zuzer Chathiwala and Husen Lakdawala (Marwadi University, India); Sejal Shah (Marwadi University Rajkot, India); Muktesh Chandra (Marwadi University, India) *Hydrological Analysis of Upland Reservoirs Using DEM Data* Jieling Wu (Suwa University of Science, Japan) *Quality Attributes of Collaborative Architectures Utilizing Open Data - Based on Research by PLATEAU -* Yo Suzuki, Kaito Domon and Sumie Morita (Akita Prefectural University, Japan) *Dialogue System Using Emotion Analysis* Ryusei Maeda (Mie University, Japan); Kenta Morita (Suzuka University of Medical Science, Japan); Haruhiko Takase (Mie University, Japan) *ClimateNet: a Multi-Faceted Classifier for Analyzing Climate Change Discourse* Tustee Mazumdar and Adrika Chowdhury (Asian University for Women, Bangladesh); Abu Nowshed Chy (University of Chittagong, Bangladesh); Tarem Ahmed (Independent University, Bangladesh (IUB), Bangladesh) *A Compact and Lightweight Astronaut Assistance Rover with Robust Validation* Md. Ragib Aunjum, Ali Ahsan, Zareef Jafar, S. M. Masrur Ahmed, Razin Bin Issa, Md. Mahbub Ali, KM Fahim Mahmud, Mohammad Zahirul Islam and Zaber Mohammad (BRAC University, Bangladesh); Musa Al Johan Gazi (Brac University, Bangladesh); Md. Saiful Islam, Md. Golam Rabiul Alam and Md. Khalilur Rhaman (BRAC University, Bangladesh) *IoT-Driven Window System for Real-Time Environmental Monitoring and Enhanced Safety for Home 4.0* Khondaker Iffti Hasan Turjo, Debashish Kumar Ghosh, Mustakim Ahmed, Kazi Redwan, Ahmed Hossain, Md. Faruk Abdullah Al Sohan and Abu Shufian (American International University-Bangladesh, Bangladesh) *Ensemble Learning Approaches in HPV Associated Oral Squamous Cell Carcinoma* Amisha Patel (RK University, India); Arjav Bavarva (Marwadi University, India); Tripti Swarnkar (National Institute of Technology, Raipur CG (NITRR), India); Vijaykumar Gupta (Rajkot Cancer Society, India); Sejal Shah (Marwadi University Rajkot, India); Yug Trivedi (Marwadi University, India)	2025-09-29 12:30:00PM	2025-09-29 02:30:00PM	
Technical Program 1	**TP01: Technical Program 1** 1208 *Proposal of an Emotion Estimation Method for Speech Using Knowledge Distillation* Oriha Hamaguchi (Japan Advanced Institute of Science and Technology, Japan); Kenta Morita (Suzuka University of Medical Science, Japan) *Food Security and Emotional Acceptance* Michiko Ohkura, Hidetsugu Nanba, Yasushi Kyutoku and Hiroko Shoji (Chuo University, Japan) *Leveraging User Mutual Affinity to Generate Recommendations for Dynamically Evolving Groups* Dilip Singh Sisodia (National Institute of Technology Raipur, India); Devesh Kumar Sahu (Oracle, India) *EmoSync: Synchronizing AI-Mediated Book Recommendation with Readers' Emotions* M. Fahim Ferdous Khan (The University of Tokyo, Japan); Kanata Negoro (Toyo University, Japan); Ken Sakamura (The University of Tokyo, Japan)	2025-09-29 02:30:00PM	2025-09-29 04:00:00PM	1208
Technical Program 2	**TP02: Technical Program 2** 1209	2025-09-29 02:30:00PM	2025-09-29 04:00:00PM	1209

Title	Papers	Start time	End time	Rooms
	Developing a Retrieval-Augmented Natural Language Interface for Philippine Demographics and Social Statistics Marienel N. Velasco (Polytechnic University of the Philippines, Philippines & PUP, Philippines); Minera Laiza C. Acosta, Mark Jayson T. Agao, Sheena D. Rom, Alfea Aemiel V. Mingua, Edrian Joshua L. Rosero and Anne Bernadette D. Yaoto (Polytechnic University of the Philippines, Philippines) *Private 5G Radio Control Scheme for IPTV by Cable TV* Hiroshi Ito, Hideki Ohno and Hikaru Kitano (NEC Networks & System Integration Corporation, Japan); Shuichi Matsumoto (Japan Cable Laboratories, Japan) *Enhancing Detection of Abnormal Climate and Fire Incidents in Lac Cultivation Areas* Jaratpong Tepmanee (University of Phayao, Thailand); Chukiat Fakkaew and Pattarawadee Fakkaew (CK Tech Innovation, Thailand); Thitirath Chaewsuwan (University of Phayao, Thailand); Tossaphorn Maniam (School of Information and Communication Technology, University of Phayao, Thailand); Jirabhorn Chaiwongsai (University of Phayao, Thailand) *Translating Requirements into CARLA Executable Scripts: an LLM-Driven Automated Scenario Realization* Shiyang Guan and Yijun Lu (Waseda University, Japan); Jati H. Husen (Telkom University, Indonesia); Haowei Cheng, Hironori Washizaki, Naoyasu Ubayashi and Nobukazu Yoshioka (Waseda University, Japan)			
Technical Program 3	## TP03: Technical Program 3 1210 *PUF and Edge-Assisted Secure V2V Communication Framework for ITS Underlying 6G Networks* Parth Vyas, Ratnesh Patel, Chitt Bhavsar and Jitendra Bhatia (Nirma University, India); Malaram Kumhar (Institute of Technology Nirma University Ahmedabad, India); Nileshkumar Patel and Rajesh Gupta (Nirma University, India); Sudeep Tanwar (Nirma University & Institute of Technology, India) *Beyond the SDGs: Intelligent Equity Planning and Economic Resilience in South Auckland's Renewable Energy Transition* Rahul R Chopra (University of Auckland, New Zealand); Amanda Yates (Auckland University of Technology, New Zealand); Nirmal Nair (University of Auckland, New Zealand) *Explainable Ensemble Learning-Based Robust Intrusion Detection Framework for Power Systems* Arhaan Godhrawala, Devarsh Patel, Fenil Ramoliya, Shlok Patel, Lakshin Pathak and Rajesh Gupta (Nirma University, India); Sudeep Tanwar (Nirma University & Institute of Technology, India)	2025-09-29 02:30:00PM	2025-09-29 04:00:00PM	1210
Technical Program 4	## TP04: Technical Program 4 1211 *Smart Waste Management Systems Using IoT and Machine Learning: Case Study of Kuala Lumpur and Putrajaya* Wai Yie Leong (INTI International University, Malaysia) *Low-Cost IoT Sensor Networks for Real-Time Water Quality Monitoring in Refugee Camps* Wai Yie Leong (INTI International University, Malaysia) *Optimizing Flotation for Ultrafine Gold Recovery in Small-Scale Mining Communities: a Scoping Review with Scientometric Analysis* Wayne Hiroshi L. Bañados, Kaye R. Orlanes and Richard Jr R. Anghag (Mapúa Malayan Colleges Mindanao, Philippines); Gernelyn T. Logrosa (Mapua Malayan Colleges Mindanao, Philippines) *Compressive Strength and Workability of Recycled Gold Tailings as Replacement for Concrete Aggregate* Evan Myles S Rapanot (Mapua Malayan Colleges Mindanao, Philippines); Juren Michael Jay B Padin (Mapua Malayan Colleges Mindanao, Philippines & Geotechnologies for Mineral and Environmental Laboratory and Research Center (GemLab), Philippines); Kit Lester P Balayo (Mapua Malayan Colleges Mindanao, Philippines & Geotechnologies for Mineral and Environmental Laboratory and Research Center, Philippines); Gernelyn T. Logrosa (Mapua Malayan Colleges Mindanao, Philippines)	2025-09-29 02:30:00PM	2025-09-29 04:00:00PM	1211
Technical Program 5	## TP05: Technical Program 5 1212 *Motivation Enhancement Method for Students Based on Personality Analysis* Rikuto Fukada, Toru Nakata, Takashi Sakamoto and Toshikazu Kato (Chuo University, Japan) *Development and Effectiveness Analysis of Virtual Reality on Students' Understanding and Application of Laboratory Safety Procedures in School* Fatimatuzzahro (National Chung Hsing University, Taiwan); Khakam Maruf (Gadjah Mada University, Indonesia); Rizal Justian Setiawan (National Chung Hsing University, Taiwan & Yuan Ze University, Taiwan); Tony Tai-Ting Liu (National Chung Hsing University, Taiwan); Darmono (Yogyakarta State University, Indonesia); Nur Azizah (National Cheng Kung University, Taiwan & China Medical University, Taiwan) *KuruKuru: a Real-World Oriented Learning Material Integrating Coding and Modeling for Informatics Education* Shiki Hanaoka and Noriya Ogawa (Shinshu University, Japan); Takashi Nagai (Institute of Technologists, Japan & Shinshu University, Japan); Nobuyuki Tachi and Mizue Kayama (Shinshu University, Japan) *Developing Interactive and Immersive Studying Environments Using AI and Game Engine* Ayana Akutsu and Xiang Li (The University of Aizu, Japan)	2025-09-29 02:30:00PM	2025-09-29 04:00:00PM	1212
Special Program 1	## SP01: Special Program 1 Empowering the Society for a Sustainable Future: Strategies for Promoting SDG Education in the Asia-Pacific Region IEEE R10 Educational Activities (EA) Committee (Organizer: Chi-Un Lei) 1208	2025-09-29 04:15:00PM	2025-09-29 05:45:00PM	1208
Special Program 2	## SP02: Special Program 2 TUTORIAL ON, "Future 6G Wireless Network Technologies with Intelligent Computing for Sustainable Earth" Dr. Arun Agarwal 1209	2025-09-29 04:15:00PM	2025-09-29 05:45:00PM	1209
Special Program 3	## SP03: Special Program 3 Special Session Intelligent Systems for Computational Biology: Advancing Healthcare Through AI Dr. Sejal Shah 1210	2025-09-29 04:15:00PM	2025-09-29 05:45:00PM	1210
Special Program 4	## SP04: Special Program 4 Empowering Student Innovators: Humanitarian Technology for Social Good IEEE R10 Student Activities Committee (SAC) &R10 Young Professionals (YP) (Organizer: Natt Leelawat, Ray Cheung, and Vismini Amarasinha) 1211	2025-09-29 04:15:00PM	2025-09-29 05:45:00PM	1211
Special Program 5	## SP05: Special Program 5 Emerging Technologies for a Resilient and Sustainable World: Generative AI, Blockchain, Security, and Agent-Based Modeling 1. Takao Terano, 2. Alfred Taudes, 3. Yuichi Ikeda, 4. Chathura Rajapakse 1212	2025-09-29 04:15:00PM	2025-09-29 05:45:00PM	1212
Reception @ CUC	## RC: Reception @ CUC	2025-09-29 06:00:00PM	2025-09-29 08:00:00PM	
Greetings & Invited Talks	## GI: Greetings & Invited Talks 8:30-9:00 Keynote Talk (Online),Don Tan (IEEE Vice President TAB) 9:00-9:30 Keynote Talk,Mary Ellen Randall (IEEE President-Elect 2025) 9:30-10:00 Keynote Talk,Isabelle Mercier (Director, Independent Evaluation Office, UNDP) 10:00-10:30 Keynote Talk,Ryuki Tachibana (Keynote Speaker) 10:30-10:45 Introduction of CUC Tour,Susumu Teshima (Chiba University of Commerce) 702	2025-09-30 08:30:00AM	2025-09-30 10:45:00AM	702
Technical Program 6	## TP06: Technical Program 6 [Keynote Speaker] Sérgio Ivan Fernandes Lopes, [Title] Digital Technologies for Sustainability: From Data to Actionable Information 701	2025-09-30 11:00:00AM	2025-09-30 12:30:00PM	701

Title	Papers	Start time	End time	Rooms
	Advanced Earth Observation Using Explainable AI for Climate Change Monitoring in the Era of Multisensor Cooperation Akira Hirose (The University of Tokyo, Japan); Gunjan Joshi (Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Germany); Ryo Natsuaki (The University of Tokyo, Japan)			
	Energy Efficiency of Ball Milling at Varying Lifter Number and Mill Speed Using DEM Simulation and Experimental Study Kit Lester P Balayo (Mapua Malayan Colleges Mindanao, Philippines & Geotechnologies for Mineral and Environmental Laboratory and Research Center, Philippines); Juren Michael Jay B Padin (Mapua Malayan Colleges Mindanao, Philippines & Geotechnologies for Mineral and Environmental Laboratory and Research Center (GemLab), Philippines); Evan Myles S Rapanot and Gernelyn T. Logrosa (Mapua Malayan Colleges Mindanao, Philippines)			
	Proof of Authenticity of General IoT Information with Tamper-Evident Sensors and Blockchain Kenji Saito (Waseda University, Japan)			
Technical Program 7	**TP07: Technical Program 7** 711 *Natural Fibre Reinforced Steel Concrete Composite Wall Panel for Sustainable Building* Sangeetha P (Sri Sivasubramaniya Nadar College of Engineering, India); P Kaythry (Anna University, India & Sri Sivasubramaniya Nadar College of Engineering, India) *Machine Learning-Based Prediction of Load-Slip Behaviour in Composite Space Trusses for Sustainable Structural Design* P Kaythry (Anna University, India & Sri Sivasubramaniya Nadar College of Engineering, India); Sangeetha P (Sri Sivasubramaniya Nadar College of Engineering, India) *Analysis of Thermoelectric Energy Harvesting Using PCM Thermal Storage for Output Voltage Enhancement* Muhammad Amsyar Arif Mohd Amran, Khairun Nisa Khamil, Azdiana Md. Yusop and Mohd Afzanizam Mohd Rosli (Universiti Teknikal Malaysia Melaka, Malaysia); Mohd Faizul Mohd Sabri (Universiti Malaya, Malaysia) *A Mixed-Review Method Analysis of Green Corrosion Inhibitors for Carbon Steel in an Acidic Environment* Lalaine Joan A Limbago, John Noel R Cabusas, Kate M Calderon, Althea Mae C Ledesma and Leila Kristine T Villaflor (Mapúa Malayan Colleges Mindanao, Philippines)	2025-09-30 11:00:00AM	2025-09-30 12:30:00PM	711
Technical Program 8	**TP08: Technical Program 8** 721 *Modified Physics-Informed Neural Network for Predicting Earthquake-Induced Landslides Susceptibility* Loreniel E Anonuevo (ML-PREP, Caraga State University, Ampayon, Butuan City, 8000 Philippines); Vince Jebryl G. Montero (Mapua Malayan Colleges Mindanao, Philippines); Paolo L. Pacaldo, Jay Melvin Segales, Ken Adrian Villarias and Jayrold P Arcede (Caraga State University, Philippines) *Drone Swarms for Post-Disaster Search and Rescue in Remote and Inaccessible Areas* Wai Yie Leong (INTI International University, Malaysia) *Projection of Temperature Change in Busan City Under Shared Socioeconomic Pathway Scenarios (SSPs)* Ismail Robbani and Jurng-Jae Yee (Dong-A University, Korea (South))	2025-09-30 11:00:00AM	2025-09-30 12:30:00PM	721
Technical Program 9	**TP09: Technical Program 9** 741 *Optimized Parameter Selection for Parkinson's Diagnosis Using a Hybrid Machine Learning Models* Husen Lakdawala, Zuzer Chathiwala, Yug Trivedi, Jaikee Kumar Singh and Himanshu Avashthi (Marwadi University, India); Sejal Shah (Marwadi University Rajkot, India) *Novel Ventilation Design and CFD Modelling Validation of an Isolation Operating Theatre in Hong Kong* Hau Nam Chen, Wing Kit Wan, Lok Yiu Tang and Ka Nin Lee (Electrical and Mechanical Services Department, Hong Kong); Yee Ting Wong and Wing Sum Lai (Arup, Hong Kong) *Controllable Medical Image Generation Using Text Prompts on Multi-Phase Contrast CT Data* Nguyen Duong Nguyen Nhat, Thanh Huyen Dang Thi and Viet Dung Nguyen (Hanoi University of Science and Technology, Vietnam) *ADaFSlide: Adapting Vision-Language Foundation Model for Lifelong Whole Slide Image Analysis* Doanh Cao Bui (Nara Institute of Science and Technology, Japan); Hoai Luan Pham (NARA Institute of Science and Technology, Japan); Vu Trung Duong Le, Tuan Hai Vu, Van Duy Tran and Yasuhiko Nakashima (Nara Institute of Science and Technology, Japan)	2025-09-30 11:00:00AM	2025-09-30 12:30:00PM	741
Technical Program 10	**TP10: Technical Program 10** 742 *The Impact of Body Fat on the Signal Performance of Implantable NFC Chips* Ye Zhang, Xiaodong Song, Mao Wang and Megumi Saito (Waseda University, Japan); Shigeru Shimamoto (Waseda University & Graduate School of Global Information and Telecommunication Studies, Japan) *Data Transmission Scheme in Underwater Wireless Power Transfer Systems for Dynamic Spectrum Access* Koshi Inoue, Urara Tsuchiya and Mamiko Inamori (Tokai University, Japan) *An Economics of Creative Machines: the Role and Responsibility of Human-AI Creators* Tetsuya Saito (Globiz Professional University, Japan & DERaC, Japan)	2025-09-30 11:00:00AM	2025-09-30 12:30:00PM	742
Special Program 6	**SP06: Special Program 6** Workshop on "From Idea to Impact: Funding Humanitarian Technology Projects as IEEE Members" Allya Paramita Koesoema 1208	2025-09-30 01:30:00PM	2025-09-30 03:00:00PM	1208
Special Program 7	**SP07: Special Program 7** Road to AI ethical and equitable professional: From Zero to Hero IEEE R10 EAAC & DEI (Organizer: Chi Un lei and Jong Chang Yi) 1209	2025-09-30 01:30:00PM	2025-09-30 03:00:00PM	1209
Special Program 8	**SP08: Special Program 8** Workshop on Reverse Vaccinology: Using Insilico methods to develop vaccines Dr. Sejal Shah 1210	2025-09-30 01:30:00PM	2025-09-30 03:00:00PM	1210
Special Program 9	**SP09: Special Program 9** Special Session Title: Control and Optimization Strategies for Source Hybridization and Estimation Techniques in Electric and Hybrid Vehicles Dr.Madhuri Bayya 1211	2025-09-30 01:30:00PM	2025-09-30 03:00:00PM	1211
Special Program 10	**SP10: Special Program 10** Empowering Women in Engineering: Shaping the Future Through Science and Technology IEEE Tokyo/Shin-etsu Joint Section WIE [Keynote speaker: Dr. Emi Yuda] 1212 This session features a keynote speech by a globally recognized female scientist and a showcase of humanitarian activities by WIE groups in Region 10. Join us in thinking about the future we can shape together with women through science and technology!	2025-09-30 01:30:00PM	2025-09-30 03:00:00PM	1212
Special Program 11	**SP11: Special Program 11** Redefining Tomorrow : Beyond SDGs Challenges IEEE R10 LMAG (Organizer: Hideki Hayashi) 1101	2025-09-30 03:15:00PM	2025-09-30 05:45:00PM	1101
Special Program 12	**SP12: Special Program 12** When Disaster Strikes: What We Learned from the 2024 Earthquakes in Japan and Myanmar Organizer: Takako Hashimoto and Takao Terano 1104	2025-09-30 03:15:00PM	2025-09-30 05:45:00PM	1104

Title	Papers	Start time	End time	Rooms
Special Program 13	**SP13: Special Program 13** "From Innovation to Impact: Advancing Humanity through IEEE Humanitarian Initiatives" Organizer: Hussain Mahdi 1103	2025-09-30 03:15:00PM	2025-09-30 05:45:00PM	1103
Transfer to Banquet Venue	**TF: Transfer to Banquet Venue**	2025-09-30 06:00:00PM	2025-09-30 07:00:00PM	
Banquet with Award Ceremony @ Hotel	**AB: Banquet with Award Ceremony @ Hotel**	2025-09-30 07:00:00PM	2025-09-30 09:00:00PM	
Special session for resilient and green ICT (Sendai Section)	**SP: Special session for resilient and green ICT (Sendai Section)** 9:30-10:00 Adaptive Antenna Network Control Technology for Green and Resilient B5G. Advancement of resilient ICT elemental technologies that support robust information and communication, Qiang Chen (Tohoku University, School of Engineering) 10:00-10:30 Challenges and Directions of Resilient ICT: Introduction of Research at NICT and Research Outcomes Utilized by Local Governments, Masugi Inoue (National Institute of Information and Communications Technology, NICT, Resilient ICT Research Center) 10:30-11:00 Resilient Wireless Communication Technology for B5G/6G with Adaptive RAN, Fumiyuki Adachi (Tohoku University, International Research Institute of Disaster Science) 11:00-11:30 Establishing strategic approaches for developing resilient systems that can withstand disruptions and maintain functionality, Hirohito Yamada (Tohoku University, International Research Institute of Disaster Science) 11:30-12:00 High-Availability Storage Considering the Disaster Risk of Network Sites, Takaki Nakamura (Tohoku University, Cyberscience Center) 1101	2025-10-01 09:30:00AM	2025-10-01 12:00:00PM	1101
Lunch	**LB3: Lunch**	2025-10-01 12:00:00PM	2025-10-01 01:00:00PM	
Special Program 14	**SP14: Special Program 14** 1101	2025-10-01 01:00:00PM	2025-10-01 02:30:00PM	1101
Special Program 15	**SP15: Special Program 15** Extending Double-Entry Bookkeeping: A Proposal for Production Accounting to Bridge Financial and ESG Reporting Organizer: Takao TERANO, Hiroshi DEGUCHI, and Kaya AKAGI 1103	2025-10-01 01:00:00PM	2025-10-01 02:30:00PM	1103
Special Program 16	**SP16: Special Program 16** How Hackers access on you? Are you safe Organizer: Sukesh S 1209	2025-10-01 01:00:00PM	2025-10-01 02:30:00PM	1209
Special Program 17	**SP17: Special Program 17** Professional Engineers and Humanitarian Technology: Synergy for Sustainable Impact IEEE R10 Professional Activities Committee (Organizer: Agnes Irwanti) 1210	2025-10-01 01:00:00PM	2025-10-01 02:30:00PM	1210
Technical Program 11	**TP11: Technical Program 11** 1211 *Arbitrary Image Style Transfer by Using Conditional Latent Diffusion Models* Ting-Chun Chiu (National Taipei University of Technology, Taiwan); Cheng-Ming Huang (National Taipei University of Technology (TaipeiTech), Taiwan) *Threshold-Free Event Detection for Non-Intrusive Load Monitoring Using Relative Position Matrix and Convolutional Neural Networks* Yen-Kuang Lin and Men-Shen Tsai (National Taipei University of Technology, Taiwan) *Blockchain-Secured Federated Learning for Energy Forecasting in Steel Manufacturing* Nazia Sultana Plabon (Premier University, Chittagong, Bangladesh) *In Silico Classification of Nanotoxicity Using QSAR-Perturbation Based Model* Heidi A. Puato and Perlita E. Gasmen (University of the Philippines Manila, Philippines); Jahaziel B. Rafael, Aries Valeriano and John Riz V. Bagnol (University of Southeastern Philippines, Philippines); Vince Jebryl G. Montero (Mapua Malayan Colleges Mindanao, Philippines); Loreniel E Anonuevo (Caraga State University); Rey Capangpangan (Mindanao State University at Naawan)	2025-10-01 01:00:00PM	2025-10-01 02:30:00PM	1211
Closing Ceremony	**CC: Closing Ceremony**	2025-10-01 02:45:00PM	2025-10-01 03:15:00PM	