

WTS 2024 Paper Presentation Program
(as of March 6, 2024)

Wednesday, April 10

1:15 pm – 1:45 pm	Poster Paper Session
	1570971108 Respiratory Anomaly Detection using Reflected Infrared Light-wave Signals Md Zobaer Islam (University of North Carolina, Chapel Hill, USA) Brenden Martin, Carly Gotcher, Tyler Martinez and John O'Hara (Oklahoma State University, USA); Sabit Ekin (Texas A&M University, USA)
1:45 pm – 2:15 pm	Doctoral Students' Session
	1570983159 <i>Autoencoder-Based Domain Learning for Semantic Communication with Conceptual Spaces</i> Dylan T Wheeler and Bala Natarajan (Kansas State University, USA) IEEE Xplore
3:00 pm – 3:30 pm	1570983723 <i>Starlink and Cellular Connectivity under Mobility: Drive Testing Across the Arctic Circle</i> Claes Beckman (KTH Royal Institute of Technology, Sweden); Johan Garcia (Karlstad University, Sweden); Herman Mikkelsen and Patrik Persson (Icomera AB, Sweden)

Friday, April 12

	Paper Presentation Session I
8:00 am – 10:00 am	1570978641 <i>Dynamic Adjustment of Control Message Delay in Reactive Ad Hoc Routing Protocol</i> Haoran Miao, Beomkyu Suh and Ki-II Kim (Chungnam National University, Korea (South)) IEEE Xplore
	1570977062 <i>Research on Key Technology of ISAC in Low-Altitude Network</i> Yiming Yu, Songtao Gao, Yangyang Cao and Ritao Cheng (China Mobile Group Design Institute Co., Ltd, China) IJMNDI
	1570988801 <i>Enhancements for 5G NR PRACH Reception: An AI/ML Approach</i> Rohit Singh (Indian Institute of Technology, Madras, India); Anil Kumar Yerrapragada, Jeeva Keshav S and Radha Krishna Ganti (Indian Institute of Technology Madras, India) IEEE Xplore
	1570983589 <i>Leveraging Deep Unsupervised Learning for Joint Passive Beamforming and Power Control of RIS-Aided D2D Networks with Energy Constrained Nodes</i> Ayush Madhan-Sohini (IIIT Delhi, India); Omer Waqar (University of the Fraser Valley, Canada) IEEE Xplore
	1570980683 <i>User Association for 5G Networks</i> Zohar Naor (University of Haifa, Israel) IEEE Xplore
10:00 am – 10:20 am	Break

<p>10:20 am – 11:40 am</p>	<p>Paper Presentation Session II</p> <p>1570975750 <i>Interference in Wireless Networks - A Power Allocation Approach</i> Tzalik Maimon (Ceragon Networks, Israel) IJMNDI</p> <p>1570966723 <i>Multi-criteria Knowledge-based decision-making functionality for swarm of drones</i> Elena Politi (Harokopio University, Greece); Dimitris Georgiadis (Harokopio University of Athens, Greece); George Dimitrakopoulos (Harokopion University of Athens, Greece) IEEE Xplore</p> <p>1570985574 <i>6G-based Intelligent, Context-Aware, and Trustworthy User-Centric Healthcare Applications</i> Albena Mihovska (Research, Development & Innovation Consortium (RDIC)); Vladimir K. Poulkov (Technical University of Sofia, Bulgaria) IEEE Xplore</p> <p>1570980368 <i>Feasibility exploration for an robust and reliable wireless connection for AI-generative-designed, additively manufactured articulated robotic arms</i> Thomas M. Wendt (University of Applied Sciences Offenburg & Work-Life Robotics Institute, Germany); Thomas Weeber (BESTec-etc Freiburg GmbH, Germany) IJMNDI</p>
<p>11:40 am – 1:00 pm</p>	<p style="text-align: center;">Lunch Best Paper Awards Ceremony</p>
<p>1:00 pm – 3:00 pm</p>	<p>Paper Presentation Session III</p> <p>1570983850 <i>TLS implementation for Trusted Bluetooth Devices</i> Aissaoui-Mehrez Hassane (Mines-Telecom Institute - Telecom-Paris - Institut Polytechnique de Paris, France & Laboratoire Traitement Et Communication de l'Information Paris Saclay (LTCI), France) IJMNDI</p> <p>1570978941 <i>Iterative wireless node localization based on Bluetooth and visible light for smart lighting systems</i> Marilia Barandas (Fraunhofer Portugal AICOS, Portugal); Ricardo Santos (Associação Fraunhofer Portugal Research & FCT NOVA, Portugal); Jorge Filipe and Carlos Silva (Tridonic Portugal, Portugal) IEEE Xplore</p> <p>1570983393 <i>A Machine Learning Driven Methodology for Alarm Prediction Towards Self-Healing in Wireless Networks</i> Luís Miguel Mata (Instituto Superior Técnico & Instituto Superior de Engenharia de Lisboa, Portugal); Marco Sousa (Celfinet and Instituto Superior de Engenharia de Lisboa (ISEL), Portugal); Pedro Vieira (Instituto de Telecomunicações / ISEL, Portugal); Maria Paula Queluz (Instituto Superior Técnico, Portugal); António J. Rodrigues (IT / Instituto Superior Técnico, Portugal) IEEE Xplore</p> <p>1570983699 <i>An Approach for Localizing User Terminals in 6G Mobile Networks</i> Caleb Ludinga Lodi (Laval University, Canada); Ronald Beaubrun (Université Laval, Canada) IEEE Xplore</p> <p>1570979478 <i>An Ensemble Approach for Fake Base Station Detection in 5G Networks using Temporal Graph Analysis and Anomaly Detection</i> Sheng Sun, Morris Repeta, Ibrahim AbuAlhaol, Gwenaél Poitau and Ali Esswie (Dell Technologies, Canada) IEEE Xplore</p>

3:00 pm
– 3:20
pm

Break

3:20 pm
– 5:20
pm

Paper Presentation Session IV

1570989889 *Deep Learning-based Channel Estimation for Massive MIMO-OTFS Communication Systems*
Mostafa Payami and Steven D Blostein (Queen's University, Canada)
IEEE Xplore

1570984883 *SDR Based Replay Attack for Drone Intervention*
Tamer Omar (California State Polytechnic University - Pomona, USA); Tyson Duran (Cal Poly Pomona, USA);
Motassem Al-Tarazi (University of Nebraska-Lincoln, USA); Thomas Ketseoglou (California State Polytechnic
University, Pomona, USA)
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