# WTS 2022 Paper Presentation Program

(as of March 16, 2022)

## Wednesday, April 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 pm – 2:45 pm PT</td>
<td><strong>Doctoral Students’ Session</strong>&lt;br&gt;<strong>Xplore 1570793732 A Framework for Information Freshness Analysis in UAV-based Sensing and Communications</strong>&lt;br&gt;Ananya Hazarika and Mehdi Rahmati (Cleveland State University, USA)&lt;br&gt;<strong>Xplore 1570791004 Coexistence Scenarios in 5G: Outdoor-Outdoor and Outdoor-Indoor Networks</strong>&lt;br&gt;Siminifar Samakoush Galougah (University of Maryland, USA); Luca Rose (Nokia Bell Labs, France); Philippe Sehier (Nokia, France)</td>
</tr>
</tbody>
</table>

## Thursday, April 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:45 pm – 5:15 pm PT</td>
<td><strong>Poster Paper Session</strong>&lt;br&gt;<strong>Universal Feature Vectors For Discrimination Of Modern Modulated Waveforms</strong>&lt;br&gt;Sylwester Sobolewski (USAF AFMC AFLCMC / WNYEDA, USA); William L Adams, Jr. (United States Air Force, USA); Ravi Sankar (University of South Florida, USA)&lt;br&gt;<strong>Performance Measurement of a Long-Range (LoRa) Network using the ns-3 Simulator</strong>&lt;br&gt;Amritpal Kaur and Jeff Kilby (Auckland University of Technology, New Zealand)</td>
</tr>
</tbody>
</table>

## Friday, April 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am – 9:00 am PT</td>
<td><strong>Paper Presentation Session I</strong>&lt;br&gt;<strong>Xplore 1570791926 FEAR: Federated Cyber-Attack Reaction in Distributed Software-Defined Networks with Deep Q-Network</strong>&lt;br&gt;Trung V. Phan (Technische Universität Chemnitz, Germany); Tri Gia Nguyen (FPT University, Vietnam)&lt;br&gt;<strong>Xplore 1570787574 Physical Layer Security Analysis Over Composite Generalized Gamma-Lognormal Fading Channels</strong>&lt;br&gt;Youssef Eldokmak, Mahmoud H. Ismail and Mohamed S. Hassan (American University of Sharjah, United Arab Emirates); Aiman Erbad (Hamad Bin Khalifa University, Qatar)&lt;br&gt;<strong>Xplore 1570789046 RLENS: RL-based Energy-Efficient Network Selection Framework for IoMT</strong>&lt;br&gt;Amr Abo-eleneen (Qatar University, Qatar); Alaa Awad Abdellatif (Politecnico di Torino, Italy); Amr Mohamed (Qatar University, Qatar)&lt;br&gt;<strong>Xplore 1570790888 Lead-Acid Battery Lifetime Estimation using Limited Labeled Data for Cellular Base Stations</strong>&lt;br&gt;Halil Ertan (Innova Bilişim Çözümleri, Turkey); Amir Yavariabdi (Karatay University, Turkey); Selver Kıcıkbay (Innova Bilişim Çözümleri A.Ş., Turkey); Ali Emre Tiryaki (Türk Telekom Research Center, Turkey); Ersin Aksoy (Innova Bilişim Çözümleri A.Ş., Turkey); İren Özalp (Türk Telekom Research Center, Turkey)</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>9:00 am – 9:20 am PT</td>
<td>Paper Presentation Session II</td>
</tr>
<tr>
<td>9:20 am – 11:00 am PT</td>
<td>Paper Presentation Session II</td>
</tr>
<tr>
<td>11:00 am – 12:10 pm PT</td>
<td>Lunch/Best Paper Awards Ceremony</td>
</tr>
<tr>
<td>12:10 pm – 2:10 pm PT</td>
<td>Paper Presentation Session III</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Kidwell (California State Polytechnic University, Pomona, USA); Steven Dobbs and Zhen Yu (California State Polytechnic University at Pomona, USA)

IJITN 1570789813 Performance Evaluation of Machine-Learning Models for Self-Healing in 5G Networks
Tamer Omar (California State Polytechnic University - Pomona, USA); Abdelfattah Amamra (California State Polytechnic University, USA); Thomas Ketseoglou (California State Polytechnic University, Pomona, USA); Cristian Daniel Mejia (California State Polytechnic University, Pomona & College of Engineering, USA); Cesar Soto (Cal Poly Pomona, USA); Quinlan E Stankus and Grant D Zelinka (California State Polytechnic University, Pomona, USA)

IJITN 1570790579 Autonomous Rover for Groundwork Lawn Mowing
Tamer Omar (California State Polytechnic University - Pomona, USA); Alex X Pazmino (USA) Van T Chau (California State Polytechnic University, Pomona, USA); Marco A Gallardo (1725 Pecos River, USA); Daniel R Lopez (University of Engineering, USA)

IJITN 1570790180 Detection and Analysis Ads through the Mini-Programs
Linjie Liu and Biao Liu (Beijing Electronic Science and Technology Institute, China); Jianyi Zhang (Beijing Electronic Science and Technology Institute & University of Louisiana at Lafayette, USA); Leixin Yang and Zhiquiang Wang (Beijing Electronic Science and Technology Institute, China)

2:10 pm – 2:30 pm PT

Paper Presentation Session IV

Xplore 1570784332 Simplified Path Split Strategy for SCL Decoding Algorithm with Lower Latency
Yiling Peng (Xiamen University, China); Huihui Wu (McGill University, Canada); Pingping Chen (Fuzhou University, China); Lin Wang (Xiamen University, China)

Xplore 1570786750 An Enhanced Interleaved Chirp Spreading LoRa Modulation Scheme for High Data Transmission
Yu Shi, Weikai Xu and Lin Wang (Xiamen University, China)

Xplore 1570787273 Joint Time and Power Control of Energy Harvesting CRN Based on PPO
Kun Du (CQUPT, China); Xie Xian-Zhong and Zhaoyuan Shi (Chongqing University of Posts and Telecommunications, China); Min Li (Chongqing University of Posts & Telecommunications, China)

Xplore 1570790378 Low-Complexity Distributed Precoding in User-Centric Cell-Free mmWave MIMO Systems
Yingrong Zhong, Yashuai Cao and Tiejun Lv (Beijing University of Posts and Telecommunications, China)

Xplore 1570791177 Energy-efficient multi-connectivity enabled user association and downlink power allocation in mmWave networks
AiLing Chen (Wenzhou University, China); Shengchang Li and Zhenzhong Tang (Wenzhou University, China); Kezhong Jin (Wenzhou University, China & Chonnam National University, Korea (South))

Xplore 1570787972 Regression-based K nearest neighbour for resource allocation in network slicing
Dandan Yan (Macao Polytechnic University, China); Xu Yang and Laurie Cuthbert (Macao Polytechnic Institute, Macao)

Xplore 1570784332 Simplified Path Split Strategy for SCL Decoding Algorithm with Lower Latency
Yiling Peng (Xiamen University, China); Huihui Wu (McGill University, Canada); Pingping Chen (Fuzhou University, China); Lin Wang (Xiamen University, China)

Xplore 1570790378 Low-Complexity Distributed Precoding in User-Centric Cell-Free mmWave MIMO Systems
Yingrong Zhong, Yashuai Cao and Tiejun Lv (Beijing University of Posts and Telecommunications, China)

Xplore 1570790809 Trajectory Optimization in UAV-aided Mobile Edge Computing Systems With Reinforcement Learning
Kexin Sheng (Nanjing University of Science and Technology); Huaju Song (Nanjing Xiaozhuang University, China); Yuwen Qian (Nanjing University of Science and Technology, China)

Xplore 1570791177 Energy-efficient multi-connectivity enabled user association and downlink power allocation in mmWave networks
AiLing Chen (Wenzhou University, China); Shengchang Li and Zhenzhong Tang (Wenzhou University, China); Kezhong Jin (Wenzhou University, China & Chonnam National University, Korea (South))

Xplore 1570787972 Regression-based K nearest neighbour for resource allocation in network slicing
Dandan Yan (Macao Polytechnic University, China); Xu Yang and Laurie Cuthbert (Macao Polytechnic Institute, Macao)

IJITN 1570790180 Detection and Analysis Ads through the Mini-Programs
Linjie Liu and Biao Liu (Beijing Electronic Science and Technology Institute, China); Jianyi Zhang (Beijing Electronic Science and Technology Institute & University of Louisiana at Lafayette, USA); Leixin Yang and Zhiquiang Wang (Beijing Electronic Science and Technology Institute, China)

IJITN 1570787722 Integration of Agricultural Wireless Sensor Networks to Web-of-Things through an Edge-computing-enriched WSNs/WoT Gateway
Chenrui Yu, Liang Gong, Rui Fang, Yixiang Huang, Wei Wu and Chengliang Liu (Shanghai Jiao Tong University, China)
Increased Throughput on LTE-Wifi using Balia Multipath-TCP on Software Defined Wireless Network

Teknologi Informasi (Telkom University & Information Technology Bachelor Program, Indonesia)