

Technical Program I: Applications

09:00– 10:20 Technical Program I - Applications

Session time	Monday, Sep 23, 09:00-10:20 A.M. EST
Location	Conference Room 235
Talk time per paper	19 minutes (Long), 9 minutes (Short, Work-in-Progress)
Chaired by	

Paper	Paper details
1	<p><i>Conscious GPS: A System to Aid the Visually Impaired to Navigate Public Transportation</i></p> <p>Josiah-David Sykes (New York Institute of Technology, USA); Randy St. Fleur (New York Institute of Technology, USA); Daler Norkulov (New York Institute of Technology, USA); Ziqian (Cecilia) Dong (New York Institute of Technology, USA); Reza K. Amineh (New York Institute of Technology, USA) 1570556130</p>
2	<p><i>Short-Term Traffic Speed Prediction on the Target Road Using Linear Interpolation with Missing Data</i></p> <p>Junyi Ye (New Jersey Institute of Technology, USA); Xiaoyuan Liang (New Jersey Institute of Technology, USA); Guiling Wang (New Jersey Institute of Technology, USA) 1570583656</p>
3	<p><i>Intelligent optical computation for online optical signal processing</i></p> <p>Yahui Wang (New Jersey Institute of Technology, USA); Xuan Liu (New Jersey Institute of Technology, USA) 1570584647</p>
4	<p><i>Simultaneous Synchronization and Detection in Loosely Synchronized Tiny Packet Networks</i></p> <p>Zongwen Tang (Rutgers University, USA); Predrag Spasojević (Rutgers University, USA); Chryssalena Koumpouzi (Rutgers University, USA); Fikadu Dagefu (US Army Research Laboratory, USA) 1570556527</p>
5	<p><i>A First Step Towards Production-Ready Network Function Storage: Benchmarking with NFSB</i></p> <p>Haochen Pan (Boston College, USA); Yingjian Wu (Boston College, USA); Lewis Tseng (Boston College, USA); Muntasir Raihan Rahman (Nokia Bell Labs, USA); Nakjung Choi (Nokia & Bell Labs, USA) 1570570282</p>

Technical Program II: Resource Allocation

Session time	Monday, Sep 23, 3:40-5:00 P.M. EST
Location	Conference Room 235
Talk time per paper	19 minutes (Long), 9 minutes (Short, Work-in-Progress)
Chaired by	

Paper	Paper details
1	<p><i>Acceleration of Multipath TCP by Letting ACKs Take the Shortest Path</i></p> <p>Jiangnan Cheng (Cornell University, USA); Kevin Tang (Cornell University, USA); Jaehyun Hwang (Cornell University, USA) 1570551860</p>
2	<p><i>Multiple Access Schemes for Indirect Diffused Free-Space Optical Networks</i></p> <p>Nicolò Macaluso (Politecnico di Torino, Italy); Roberto Rojas-Cessa (New Jersey Institute of Technology, USA); Michela Meo (Politecnico di Torino, Italy) 1570560988</p>
3	<p><i>Multiple-Rate Channel Codes in $\text{GF}(p^{n^2})$</i></p> <p>R. S. Raja Durai (Jaypee University of Information Technology, India) 1570570162</p>
4	<p><i>Branch-Awareness in Service Function Graph Embedding</i></p> <p>Maryam Jalalitar (Boston College, USA); Yang Wang (La Salle University, USA); Xiaojun Cao (Georgia State University, USA) 1570569880</p>
5	<p><i>Towards An Explanatory Model for Network Traffic</i></p> <p>Jorge L Gonzalez (Florida Atlantic University & NREIP, USA); Joshua Clymer (Naval Postgraduate School, USA); Chad A Bollmann (Naval Postgraduate School, USA) 1570579525</p>

Technical Program III: Wireless Networks

Session time	Tue, Sep 24 09:00– 10:20 A.M. EST
Location	Conference Room 235
Talk time per paper	19 minutes (Long), 9 minutes (Short, Work-in-Progress)
Chaired by	

Paper	Paper details
1	<p><i>Varying the Beamwidth of Hybrid Beamforming for mm Wave Communications</i></p> <p>Yavuz Yaman (Rutgers University, USA); Predrag Spasojević (Rutgers University, USA) 1570570439</p>
2	<p><i>NOMA Power Allocation for Minimizing System Outage under Rayleigh Fading Channel</i></p> <p>Ömer Faruk Gemici (TÜBİTAK BİLGEM & İstanbul Teknik Üniversitesi, Turkey); Ibrahim Hokelek (TUBITAK BILGEM, Turkey); Hakan A. Çırpan (Istanbul Technical University, Turkey) 1570566683</p>
3	<p><i>Discovering Shadowing Effects Over Effective Spectrum Availability Inside Smart Buildings for Cognitive Short Range Systems Operation</i></p> <p>Washington Medina (Escuela Superior Politécnica del Litoral, Ecuador); Francisco Novillo (Escuela Superior Politécnica del Litoral, Ecuador); Eduardo Chancay (Escuela Superior Politécnica del Litoral (ESPOL), Ecuador); Juan Romero-Arguello (University of California Davis, USA) 1570570511</p>
4	<p><i>Innovative Approach to achieve Tri-Band Capabilities by Parabolic Antenna Stacking</i></p> <p>Clive Sugama (Colorado State University, USA) 1570547481</p>

Technical Program IV: Security and Automation

Session time	Tue, Sep 24 3:40-5:00 P.M. EST
Location	Conference Room 235
Talk time per paper	19 minutes (Long), 9 minutes (Short, Work-in-Progress)
Chaired by	TBA

Paper	Paper details
1	<p><i>Comprehensive Overview of Selfish Mining and Double Spending Attack Countermeasures</i> Kervins Nicolas (Manhattan College, USA); Yi Wang (Manhattan College, USA); George C Giakos (Manhattan College, USA) 1570570311</p>
2	<p><i>Game Theory and Biology Inspired Flight Control for Autonomous UAVs Operating in Contested Environments</i> M. Umit Uyar (City College of The City University of New York, USA); Janusz Kusyk (New York City College of Technology, USA); Kelvin Ma (City College of New York, USA); Kevin Budhu (City College of New York, CUNY, USA); Eltan Samoylov (City Colelge of The City University of New York, USA); Joseph Plishka (I2WD, US Army RDECOM CERDEC, USA); Giorgio Bertoli (Chief, USA); Jeffrey Boksiner (US Army CCDC C5ISR Center, USA); Dilip Guha (CERDEC, Aberdeen Proving Ground, MD, USA) 1570551348</p>
3	<p><i>A Capacity-Aware Distributed Denial-of-Service Attack in Low-Power and Lossy Networks</i> Rajorshi Biswas (Temple University, USA); Jie Wu (Temple University, USA); Xiuqi Li (Temple University, USA) 1570571377</p>
4	<p><i>Tactical Network Automation with NetZTP and One Shot</i> William Brockelsby (Duke University & North Carolina State University, USA); Sean Dilda (Duke University, USA) 1570568543</p>