40th IEEE Sarnoff Symposium, NJIT, Newark, NJ, Sep. 23-24, 2019
TECHNICAL PROGRAM SCHEDULE

Technical Program I: Applications

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

Paper	Paper details
1	*Conscious GPS: A System to Aid the Visually Impaired to Navigate Public Transportation* 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
2	*Short-Term Traffic Speed Prediction on the Target Road Using Linear Interpolation with Missing Data* 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
3	*Intelligent optical computation for online optical signal processing* Yahui Wang (New Jersey Institute of Technology, USA); Xuan Liu (New Jersey Institute of Technology, USA) 1570584647
4	*Simultaneous Synchronization and Detection in Loosely Synchronized Tiny Packet Networks* Zongwen Tang (Rutgers University, USA); Predrag Spasojević (Rutgers University, USA); Chryssalenia Koumpouzi (Rutgers University, USA); Fikadu Dagefu (US Army Research Laboratory, USA) 1570556527
5	*A First Step Towards Production-Ready Network Function Storage: Benchmarking with NFSB* 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

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TECHNICAL PROGRAM SCHEDULE

Technical Program II: Resource Allocation

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

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

Technical Program III: Wireless Networks

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

Paper	Paper details
1	*Varying the Beamwidth of Hybrid Beamforming for mmWave Communications* Yavuz Yaman (Rutgers University, USA); Predrag Spasojević (Rutgers University, USA) 1570570439
2	*NOMA Power Allocation for Minimizing System Outage under Rayleigh Fading Channel* Ömer Faruk Gemici (TÜBİTAK BİLGEM & İstanbul Teknik Üniversitesi, Turkey); Ibrahim Hokelek (TUBITAK BILGEM, Turkey); Hakan A. Çırpan (Istanbul Technical University, Turkey) 1570566683
3	*Discovering Shadowing Effects Over Effective Spectrum Availability Inside Smart Buildings for Cognitive Short Range Systems Operation* 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
4	*Innovative Approach to achieve Tri-Band Capabilities by Parabolic Antenna Stacking* Clive Sugama (Colorado State University, USA) 1570547481

Technical Program IV: Security and Automation

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

Paper	Paper details
1	*Comprehensive Overview of Selfish Mining and Double Spending Attack Countermeasures* Kervins Nicolas (Manhattan College, USA); Yi Wang (Manhattan College, USA); George C Giakos (Manhattan College, USA) 1570570311
2	*Game Theory and Biology Inspired Flight Control for Autonomous UAVs Operating in Contested Environments* 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
3	*A Capacity-Aware Distributed Denial-of-Service Attack in Low-Power and Lossy Networks* Rajorshi Biswas (Temple University, USA); Jie Wu (Temple University, USA); Xiuqi Li (Temple University, USA) 1570571377
4	*Tactical Network Automation with NetZTP and One Shot* William Brockelsby (Duke University & North Carolina State University, USA); Sean Dilda (Duke University, USA) 1570568543