

Note:

- All times shown below are EEST (Athens, GR time)
- In order to access the program on the platform, first click on the day tab, then click on the corresponding Workshop, Keynote or Technical session.

Day 1: Monday, June 15, 2020

[Workshop on Machine Learning in Wireless Communications \(WMLC\)](#)

Day 2: Tuesday, June 16, 2020

15:30-15:45: [Welcome](#) – Thanasis Korakis (University of Thessaly) – General Chair

15:45- 16:00: [Technical Program Opening and Best paper award announcements](#)
Iordanis Koutsopoulos (Athens University of Economics and Business) -TPC Co-chair

16.00-16:15: Break

16:15-17:15 Keynote 1: Eytan Modiano (MIT)
Title: [Optimizing Information Freshness in Wireless Networks: From Theory to Practice](#)
Chair: Longbo Huang (Tsinghua University)

17.15-17.30: Q&A

Day 3: Wednesday, June 17, 2020

17:30-18.30 Keynote 2: Sanjay Shakkottai (University of Texas at Austin)
Title: [Learning and Resource Allocation in Networks: Finite Time Bounds and Insights](#)
Chair: Vijay Subramanian (University of Michigan)

18.30-18:45: Q&A

18:45-19:00: Break

19:00-20:00: Keynote 3: David Tse (Stanford University)
Title: [Scaling Blockchains to Physical Limits](#)
Chair: Vijay Subramanian (University of Michigan)

20:00-20:15: Q&A

Day 4: Thursday, June 18, 2020

16:00-17:00 Keynote 4: Ilenia Tinnirello (University of Palermo)
Title: [Resource allocation in LoRaWAN networks: design challenges and experimental results](#)
Chair: Thanasis Korakis (University of Thessaly)

17:00-17:15 Q&A

17:15-17:30 Break

17:30-18:30: Keynote 5 (SPASWIN Keynote): Francois Baccelli (University of Texas at Austin)

Title: [Stochastic Analysis of Wireless Networks based on Vehicular Gateways](#)

Chair: Udo Schilcher (University of Klagenfurt)

18:30-18.45 Q&A

Day 5: Friday, June 19, 2020

[The 14th Workshop on Spatial Stochastic Models for Wireless Networks \(SPASWIN\)](#)

[The 4th International Workshop on Content Caching and Delivery in Wireless Networks \(CCDWN\)](#)

[The 15th Workshop on Resource Allocation, Cooperation and Competition in Wireless Networks \(RAWNET\)](#)

[WiOpt Main Conference Papers](#) (with pre-recorded talks)

[Paper cluster 1: Caching](#)

68) Bahman Abolhassani (Ohio State University, USA), John Tadrous (Gonzaga University, USA), and Atilla Eryilmaz (Ohio State University, USA), [Achieving Freshness in Single/Multi-User Caching of Dynamic Content over the Wireless Edge](#)

64) Berksan Serbetci (EURECOM, France), Eleftherios Lampiris (Technical University of Berlin, Germany), Thrasyvoulos Spyropoulos (EURECOM, France), and Petros Elia (EURECOM, France), [Augmenting Multiple-Transmitter Coded Caching using Popularity Knowledge at the Transmitters](#)

17) Lakshmi Narayana V S Ch, Sharayu Moharir and Nikhil Karamchandani (Indian Institute of Technology-Bombay, India), [RetroRenting: An Online Policy for Service Caching at the Edge](#)

72) Yong Deng and Min Dong (Ontario Tech University, Canada), [Optimal Uncoded Placement and File Grouping Structure for Improved Coded Caching under Nonuniform Popularity](#)

[Paper cluster 2: Learning and Decision making](#)

8) Ningning Ding (Chinese University of Hong Kong, Hong Kong), Zhixuan Fang (Chinese University of Hong Kong, Hong Kong), and Jianwei Huang (Chinese University of Hong Kong, Hong Kong, Chinese University of Hong Kong-Shenzhen, China, and Shenzhen Institute of AI and Robotics for Society, China), [Incentive Mechanism Design for Federated Learning with Multi-Dimensional Private Information](#)

60) Himaja Kesavareddigari and Atilla Eryilmaz (Ohio State University, USA), [Optimal Decisions of a Rational Agent in the Presence of Biased Information Providers](#)

62) Eric Jiang and Ben Liang (University of Toronto, Canada), [Socially Optimal Correlated Equilibrium in Class-Anonymous Offloading Game with Computing Access Points](#)

25) Moulik Choraria (Indian Institute of Technology - Delhi, India), Arpan Chattopadhyay (Indian Institute of Technology - Delhi, India), Urbashi Mitra (University of Southern California, USA), and Erik Strom (Chalmers University, Sweden), [A false data injection attack on networked cyber-physical systems](#)

14) Chao Huang (Chinese University of Hong Kong, Hong Kong), Haoran Yu (Beijing Institute of Technology), Jianwei Huang (Chinese University of Hong Kong, Hong Kong, Chinese University of Hong Kong, Shenzhen, China, and Shenzhen Institute of AI and Robotics for Society, China), and Randall Berry (Northwestern University), [Online Crowd Learning with Heterogeneous Workers via Majority Voting](#)

Paper cluster 3: Scheduling, graphs, and stochastic geometry

32) Akhil Bhimaraju (Indian Institute of Technology Madras, India), Debanuj Nayak (Indian Institute of Technology Gandhinagar, India), and Rahul Vaze (Tata Institute of Fundamental Research, Mumbai, India). [Non-clairvoyant Scheduling of Coflows](#)

10) Nithin Ramesan and François Baccelli (University of Texas at Austin, USA), [Wireless queues in Poisson interference fields: the continuum between zero and infinite mobility](#)

5) Steffen Böhmer, Lucas Böltz and Hannes Frey (University of Koblenz-Landau, Germany), [Local Construction of Connected and Plane Spanning Subgraphs under Acyclic Redundancy](#)

59) Dorine Tabary, Sébastien Bindel, Frédéric Drouhin and Benoît Hilt (University of Haute Alsace, France), [A new strategy for the selection of communication technologies in VANETs with fully controllable vehicles.](#)

Paper cluster 4: Network Slicing and 5G

48) Apostolos Apostolaras (University of Thessaly and CERTH, Greece), Kostas Chounos (University of Thessaly and CERTH, Greece), Thanasis Korakis (University of Thessaly and CERTH, Greece), and Leandros Tassioulas (Yale University, USA), [Servicing Inelasticity, Leasing Resources and Pricing in 5G Networks](#)

6) Jiaxiao Zheng (University of Texas at Austin, USA), Gustavo de Veciana (University of Texas at Austin, USA), and Albert Banchs (University Carlos III Madrid and IMDEA Networks, Spain), [Constrained Network Slicing Games: Achieving Service Guarantees and Network Efficiency](#)

21) Tom Pijnappel (Eindhoven University of Technology, Netherlands), Sem Borst (Eindhoven University of Technology, Netherlands), and Philip Whiting (Macquarie University, Australia), [Joint Scheduling of Low-Latency and Best-Effort Flows in 5G Wireless Networks](#)

65) Mandar Datar (INRIA Sophia Antipolis Méditerranée and CERI/LIA-University of Avignon, France), Eitan Altman ((INRIA Sophia Antipolis - Méditerranée, CERI/LIA-University of Avignon and LINCS Lab Paris, France), Francesco De Pellegrini (CERI/LIA-University of Avignon, France), Rachid Elazouzi (CERI/LIA - University of Avignon, France), and Corinne Touati (INRIA Grenoble - Rhône-Alpes, France), [A Mechanism for Price Differentiation and Slicing in Wireless Networks](#)

Paper cluster 5: Age of Information

16) Kavya Bhandari, Santosh Fatale, Urvidh Narula, Sharayu Moharir and Manjesh Kumar Hanawal (Indian Institute of Technology, Bombay, India), [Age-of-Information Bandits](#)

27) Jean Abou Rahal (University of Texas at Austin, USA), Gustavo de Veciana (University of Texas at Austin, USA), Takayuki Shimizu (Toyota Motor North America, USA), and Hongsheng Lu (Toyota Motor North America, USA), [Optimizing Timely Coverage in Communication Constrained Collaborative Sensing Systems](#)

53) Ali Maatouk (CentraleSupélec, France), Yin Sun (Auburn University, USA), Anthony Ephremides (University of Maryland, College Park, USA), and Mohamad Assaad (CentraleSupélec, France), [Status Updates with Priorities: Lexicographic Optimality](#)

61) Mohammad Moltafet (University of Oulu, Finland), Markus Leinonen (University of Oulu, Finland) and Marian Codreanu (Linköping University, Sweden), [Average Age of Information for a Multi-Source M/M/1 Queueing Model with Packet Management and Self-Preemption in Service](#)

47) Man Hon Cheung (Chinese University of Hong Kong, Hong Kong), [Age of Information Aware UAV Network Selection](#)

Paper cluster 6: Network economics and Markets

26) Arnob Ghosh (Indian Institute of Technology - Delhi, India), and Randall Berry (Northwestern University, USA), [Entry and Investment in CBRS Shared Spectrum](#)

73) Ashok Krishnan K S (Indian Institute of Science Bangalore, India), Chandramani Singh (Indian Institute of Science Bangalore, India), Siva Theja Maguluri (Georgia Institute of Technology, USA), and Parimal Parag (Indian Institute of Science Bangalore, India), [Optimal Pricing in Finite Server Systems](#)

46) Nithin Ramesan (University of Texas at Austin, USA), Sachin Nayak (Sony Corporation, Japan), and Rahul Vaze (Tata Institute of Fundamental Research, Mumbai, India), [How Much to Share in Resource Pooling](#)

71) Gourav Saha and Alhussein Abouzeid (Rensselaer Polytechnic institute, USA), [Optimal Partitioning of Spectrum Bands in Tiered Spectrum Access under Stochastic Market Models](#)

Paper cluster 7: Wireless Resource allocation

37) Nilanjan Biswas, Seyed Hamed Mirghasemi and Luc Vandendorpe (Universite Catholique de Louvain, Belgium), [Joint Optimization of Relaying Rate and Energy Consumption for Cooperative Mobile Edge Computing](#)

70) Borna Sayedana (McGill University, Canada), Aditya Mahajan (McGill University, Canada), and Edmund Yeh (Northeastern University, USA), [Cross-layer communication over fading channels with adaptive decision feedback](#)

54) Ashish Rauniyar (University of Oslo and Oslo Metropolitan University, Norway), Paal Engelstad (University of Oslo and Oslo Metropolitan University, Norway), and Olav N. Østerbø (Telenor Research, Norway), [Ergodic Capacity Performance of NOMA- SWIPT Aided IoT Relay Systems with Direct Link](#)

52) Jaya Goel and J Harshan (Indian Institute of Technology-Delhi, India), [On the Optimal ARQ Distribution for Low-Latency Communication over Line-of-Sight Dominated Multi-Hop Networks](#)

12) Ehsan Aryafar (Portland State University, USA) and Alireza Keshavarz-Haddad (Shiraz University, Iran), [Distributed Alpha-Fair Throughput Aggregation in Multi-RAT Wireless Networks](#)