# Wednesday September 19, 2018

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| 08:00am | Registration |
| 09:00am | **Opening Session** |

Chair: Lotfi Benmohamed (NIST)
- NIST Cybersecurity Programs, Kevin Stine (NIST)
- A New Way to Support Security, Lixia Zhang (University of California, Los Angeles), Alex Afanasyev (Florida International University)

10:00am  **Session 1- NDN support for computing**

Chair: Beichuan Zhang (University of Arizona)
- Towards an Augmented Reality Browser using NDN, Jeff Burke (UCLA REMAP)
- Edge Computing Over Named Data Networking, Abderrahmen Mtibaa (New Mexico State University)
- Compute-First-Network for NDN, Asit Chakraborti (Huawei Technologies)

11:00am  Break

11:15am  **Session 2- IoT and Security**

Chair: Giovanni Pau (Sorbonne University/UCLA)
- NDNoT: A Framework for Named Data of Things, Zhiyi Zhang (UCLA)
- Blockchain-based Decentralized Public Key Management for Named Data Networking, Kan Yang (University of Memphis)
- Distributed Ledger over NDN for A Real-world Solar System, Zhiyi Zhang (UCLA)

12:15pm  Lunch

1:30pm  **Panel 1**: Security and Privacy in NDN: An Edge Computing Perspective

Chair: Jay Misra (New Mexico State University)
Alex Afanasyev (Florida International University)
Ken Calvert (National Science Foundation)
Tamer Refaei (MITRE Corporation)
Murugiah Souppaya (NIST)

2:30pm  **Lightning Talks**

Chair: Lotfi Benmohamed (NIST)

4:00pm  **Posters and Demos**

6:00pm  Day 1 Closing

# Thursday September 20, 2018

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|---|---|
| 08:00am | Registration |
| 08:30am | **Community Feedback** |
| 09:00am | **Session 3- NDN for Vehicular Networks** |

Chair: Beichuan Zhang (University of Arizona)
- Vehicular Named Data Networking, Claudio Marxer (University of Basel)
- Connectivity and Location-aware Routing Scheme (CLRS) for Connected and Autonomous Vehicles (CAVs), Junaid Ahmed Khan (University of Memphis)
- Data-Centric MAC for Robust Multicast in Vehicular Networks, Mohammed Elbadry (Stony Brook University)

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| 10:00am | **Session 4- NDN in Mobile AdHoc Networks** |

Chair: Lan Wang (University of Memphis)
- Peer-to-Peer File Sharing in Mobile Ad hoc Networks over NDN, Spyridon Mastorakis (UCLA)
- Distributed Dataset Synchronization in Mobile Ad Hoc Networks over NDN, Tianxiang Li (UCLA)
- Toward Multi-Hop Long-Range D2D Communication via Information Centric Ad Hoc Networks, Yaoqing Liu (Clarkson University)

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| 11:00am | Break |
| 11:15am | **Panel 2**: Edge Computing: Shaping the Named Data Edge |

Chair: Christian Tschudin (University of Basel)
Jeff Burke (University of California, Los Angeles)
Asit Chakraborti (Huawei Technologies)
Martial Michel (Data Machines Corp.)
Lan Wang (University of Memphis)

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| 12:15pm | Lunch |
| 1:30pm | **Session 5- Routing and Forwarding** |

Chair: Jeff Burke (University of California, Los Angeles)
- High-Speed NDN-DPDK Forwarder, Junxiao Shi (NIST)
- A New Way of Traffic Engineering in NDN, Klaus Schneider (The University of Arizona)
- NDNCONF: Network Configuration Management System for NDN based on NETCONF protocol, Rajender Kumar (Florida International University)

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| 2:30pm | **Session 6 -NDN support for new deployments** |

Chair: Alex Afanasyev (Florida International University)
- NDN Supporting Ultra-Dense Networks, Xiaoyan Hong (University of Alabama)
- Automated Neighbor Discovery to Run NDN Anywhere, Arthi Padmanabhan (UCLA)
- NDN for Data Intensive Science, Susmit Shannigrahi (Colorado State University)

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| 3:30pm | Closing |

**Posters:**
- NDN for Public Safety Deployable Networks, Davide Pesavento (NIST)
- Bootstrapping Trust in NDN-Based Vehicular Network Using SWIFT Trust, Sanjeev Kaushik Ramani (Florida International University)
- Get an NDN certificate with NDNCERT protocol, Zhiyi Zhang (UCLA)
- Named-based Access Control, Zhiyi Zhang (UCLA)
- Upcoming Changes in NDN Protocol, Alex Afanasyev (Florida International University)
- Performance evaluation of the NDN-DPDK forwarder, Siham Khoussi (NIST)
- IoT+NDN+Wireless: Experimental Insights from Using 802.11 Infrastructure and Ad-hoc Modes, Travis Machacek (New Mexico State University)
- Leveraging Named Data Networking in Edge Computing, Byung-Seo Kim (Hongik Univeristy Sejong Campus, South Korea)
- An Overlay NDN Architecture for Application-Driven Satellite-Terrestrial Integration, Tian Song (Beijing Institute of Technology)
- Named Query Framework for Named Data Networking of Things, Byung-Seo Kim (Hongik University Sejong Campus, South Korea)
- ICE-AR Application Progress, Peter Gusev (UCLA REMAP)
- Optimal Cache Allocation under Network-Wide Capacity Constraint, Van Sy Mai (NIST)
- Distributed Network Measurement Protocol (DNMP): A Secure Role-Based Approach, Kathleen Nichols (Pollere, Inc)

**Demos:**
- ANTD NDN-IoT Testbed: Smart Building Sensing, Edward Lu (NIST)
- PSync deployment on IoT sensor testbed, Ashlesh Gawande (Uinversity of Memphis)
- Vehicular Named Data Networking, Christopher Scherb (University of Basel)
- HomeCam Browser-based Home Surveillance Camera, Junxiao Shi (NIST)
- NDN Supporting Ultra-Dense Networks, Xiaoyan Hong (University of Alabama)
- A Raspberry Pi Based Data-Centric MAC for Robust Multicast in Vehicular Networks, Mohammed Elbadry (Stony Brook University)