Day 1 – Thursday September 5, 2019
08:00   Registration
09:00   Opening Session
10:00   Session 1
11:00   Break
11:15   Session 2
12:15   Lunch
1:30P   Session 3
2:30P   Lightning Talks
4:00P   Posters and Demos
6:00P   Day 1 Closing
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Day 2 – Friday September 6, 2019
08:00   registration
09:00   Session 4
10:00   Session 5
11:00   Break
11:15   Panel 1
12:15   Lunch
1:30P   Panel 2
2:30P   Session 6
3:30P   Break
4:00P   Session 7
5:00P   Closing

Panels

Panel 1: Enabling a Data-Centric Ecosystem for Big Data Applications

Panel 2: Towards easier NDN application development

Presentations

Building a Bridge from Applications to NDN
Kathleen Nichols, Pollere, Inc.; Van Jacobson, UCLA

Commercialization of NDN in Cybersecure Energy System Communications
Randall King, Operant Networks

Information-Centric Networking in Wireless Edge Networks
Christian Tschudin, University of Basel

The Case for Hop-by-Hop Traffic Engineering
Klaus Schneider, University of Arizona; Beichuan Zhang, University of Arizona; Van Sy Mai, NIST; Lotfi Benmohamed, NIST

Enhancing Resiliency in Electrical Grid OT Networks Using NDN
Travis Machacek, MITRE Corporation; Tamer Refaei, MITRE Corporation

GitSync

Xinyu Ma, University of California, Los Angeles; Zhaoning Kong, University of California, Los Angeles

NDN-ABS: Attribute Based Signature Scheme for Named Data Networking

Sanjeev KaushikRamani, Florida International University; Reza Tourani, St. Louis University; George Torres, New Mexico State University; Satyajayant Misra, New Mexico State University; Alex Afanasyev, Florida International University

Hyper-connected Intelligence Infrastructure based on NDN

Namseok Ko, ETRI; Sunghyuk Byun, ETRI; Sunme Kim, ETRI

NDN-DPDK: High-Speed Named Data Networking Forwarder

Junxiao Shi, NIST; Lotfi Benmohamed, NIST

DLedger

Zhiyi Zhang, UCLA ; Vishrant Vasavada, UCLA ; Xinyu Ma, UCLA ; Lixia Zhang, UCLA

ICT-Sync and its use in DARPA SHARE

John DeHart, Washington University in St. Louis

Secure Predictive Low-Latency Information Centric Edge for Next Generation Wireless Networks

Srinivas Shakkottai, Texas A&M University; I-Hong Hou, Texas A&M University

Service Discovery in NDN IoT

Yufeng Zhang, UCLA; Zhiyi Zhang, UCLA

Secure Onboarding and Provisioning of NDNoT Devices

Davide Pesavento, NIST; Kerry McKay, NIST; Junxiao Shi, NIST; David Cooper, NIST; Lotfi Benmohamed, NIST

NDND: NDN Neighbor Discovery

Xinyu Ma, UCLA ; Zhiyi Zhang, UCLA ; Lan Wang, U. Memphis ; Lixia Zhang, UCLA

Data-Centric Medium Access Control Supporting Robust Multicast

Mohammed Elbadry, Stony Brook University; Fan Ye, Stony Brook University; Peter Milder, Stony Brook University

On the Power of In-Network Caching in the Hadoop Distributed File System

Eric Newberry, The University of Arizona; Beichuan Zhang, The University of Arizona)

On Namespace Management in NDN and How DNSSEC Might Help

Pouyan Fotouhi Tehrani, Fraunhofer FOKUS; Eric Osterweil, George Mason University; Jochen Schiller, Freie Universität Berlin; Thomas C. Schmidt, HAW Hamburg; Matthias Waehlisch, Freie Universität Berlin

Result Provenience in Named-Function Networking

Claudio Marxer, University of Basel; David Kuhn, University of Basel; Christian Tschudin, University of Basel

Posters and Demos

Demo: Towards an NDN-based Online Gaming Architecture
Philipp Moll, Klagenfurt University; Sebastian Theuermann, Klagenfurt University; Hermann Hellwagner, Klagenfurt University; Jeff Burke, UCLA

Location-Based Certificates
Dan Ameme, New Mexico State University; Travis Machacek, New Mexico State University; Abderrahmen Mtibaa, New Mexico State University; Sanjeev Kaushik Ramani, Florida International University; Satyajayant Misra, New Mexico State University; Alex Afanasyev, Florida International University

Better Multipath Route Calculation for ndnSIM
Klaus Schneider, University of Arizona

Demo: NDN Control Center
Xinyu Ma, UCLA ; Zhaoning Kong, UCLA ; Zhiyi Zhang, UCLA

Demo: Decentralized multimedia sharing Android application over NDN
Ashlesh Gawande, University of Memphis; Jeremy Clark, University of Memphis; Lan Wang, University of Memphis

Automated Fuzz Testing for NDN
George Torres, NIST; Davide Pesavento, NIST; Junxiao Shi, NIST; Lotfi Benmohamed, NIST

An NDN Push-To-Talk Application for Public Safety Communications
Edward Lu, NIST; Davide Pesavento, NIST; Junxiao Shi, NIST; Lotfi Benmohamed, NIST; Maxwell Maurice, NIST

Demo: A Comparison of Bootstrapping Protocols for IoT over Named Data Networking
Laqin Fan, University of Memphis; Lan Wang, University of Memphis

Medium Integration Architecture for ICDTNs using NDN
Katherine Russell, George Mason University; Robert Simon, George Mason University