

2021 IEEE International Symposium on Local and Metropolitan Area Networks (LANMAN 2021)

**Virtual Conference
12 – 13 July 2021**



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IEEE LANMAN 2021

The 27th IEEE International Symposium on Local and Metropolitan Area
Networks

12-13 July 2021 – Virtual Conference

Day 1 – Monday July 12, 2021	
Time	Event
09:45 - 10:00	Opening and Welcome
10:00 – 11:00	Keynote #1: Experiencing a New Internet Architecture Adrian Perrig (ETH Zürich)
11:10 – 11:45	Invited Talk #1: Is the Web User Experience Improving? Aruna Balasubramanian (Stony Brook University)
11:45 – 13:00	<p style="text-align: center;">Session 1: Distributed Machine Learning</p> <ol style="list-style-type: none"><i>On the Resource Consumption of Distributed ML.....1</i> Georgios Drainakis (Iroon Polytechniou Str. 9 & Institute of Communication and Computer Systems, Greece); Panagiotis Pantazopoulos and Konstantinos V. Katsaros (Institute of Communication and Computer Systems (ICCS), Greece); Vasilis Sourlas (ICCS-NTUA, Greece); Angelos Amditis (Institute of Communication and Computer Systems, Greece)<i>Model Fragmentation, Shuffle and Aggregation to Mitigate Model Inversion in Federated Learning.....7</i> Hiroki Masuda, Kentaro Kita, Yuki Koizumi, Junji Takemasa and Toru Hasegawa (Osaka University, Japan)<i>Model-Distributed DNN Training for Memory-Constrained Edge Computing Devices.....13</i> Pengzhen Li and Hulya Seferoglu (University of Illinois at Chicago, USA); Venkateswara Dasari (US Army Research Laboratory, USA); Erdem Koyuncu (University of Illinois at Chicago, USA)
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<p>14:35 - 15:25</p>	<p style="text-align: center;">Session 2: Caching and Virtualization</p> <p>4. <i>Detecting Cache Pollution Attacks Using Bloom Filter.....19</i> Takakazu Ashihara (Fukuoka University, Japan); Noriaki Kamiyama (Ritsumeikan University, Japan)</p> <p>5. <i>Fast Function Instantiation with Alternate Virtualization Approaches.....25</i> Vivek Jain (University of California Riverside, USA); Shixiong Qi and K. K. Ramakrishnan (University of California, Riverside, USA)</p>
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<p>Day 2 – Tuesday, July 13, 2021</p>	
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<p>09:30 - 10:05</p>	<p>Invited Talk #3: Secure and Efficient Distributed Learning for Wireless Edge Networks Diep N. Nguyen, University of Technology Sydney</p>
<p>10:15 - 11:45</p>	<p>Panel: Networking in the New Normal: The Past, Present, and Future Moderator: Muhammad Shahbaz (Purdue University)</p> <p>Ihsan Ayyub Qazi (Lahore University of Management Sciences) Bozidar Radunovic (Microsoft Research) Umar Saif (CEO of SurveyAuto) Vijay Vusirikala (Google)</p>

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