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Wednesday, October 28

Wednesday, October 28 9:30 - 11:00

TU1: Wed 28-Oct-2020 9:30 - 11:00 - Tutorial #1: Network Slicing in 5G: current status and future trends

Network Slicing in 5G: current status and future trend

Adlen Ksentini

Chair: Nazih Salhab (University Gustave Eiffel, France & Lebanese University, Lebanon)

Abstract: 5G networks have now entered the phase of deployment. Since the first 5G architecture release, Network Slicing is in the heart of the novel concepts to support the new envisioned services' diverse requirements, such as autonomous driving, Unmanned Aerial Vehicles (UAV), Augmented and Virtual Reality (AR/VR). In this talk, I will shed light on the status of Network Slicing, where we are in terms of technological evolution and current trends, and the remaining issues.

Adlen Ksentini (EURECOM, France)

Wednesday, October 28 11:15 - 12:15

S1: Short papers 1: Resource optimization

Chair: Mawloud Omar (Laboratoire LIMED, Faculté des Sciences Exactes, Université de Bejaia, Algeria)

An Optimized Approach to Load Balancing and Resource Usage in 5G Multi-tiered cellular Networks.....1

Ogechi Akudo Nwogu (University Sorbonne Paris Nord, L2TI, UR 3042, F-93430, France); Gladys Diaz (University of Paris 13 & L2TI, Institut Galilee, France); Marwen Abdennebi (L2TI Laboratory, University of Paris Nord, France)

A study on Optimizing VNF Software Cost.....6

Ghoshana Bista (Ecole Normale Supérieure de Lyon); Eddy Caron (ENS-Lyon, France); Anne-Lucie Vion (Université Grenoble-Alpes & Orange, France)

Wednesday, October 28 2:00 - 3:30

S2: Full papers 1: 5G Networks

Chair: Bouziane Brik (University of Bourgogne, France)

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Wednesday, October 28 3:45 - 4:45

KN1: Wed 28-Oct-2020 15:45 - 16:45 - Keynote #1: Cloud - Fog Computing: Resource Allocation and Scheduling Challenges

Chair: Sahar Hoteit (University of Paris Sud & Centrale-Supelec, France)

Thursday, October 29

Thursday, October 29 9:45 - 10:45

KN2: Thu 29-Oct-2020 09:45 - 10:45 - Keynote #2: Mobile Crowd Sensing (MCS) - a first step towards building collective intelligence

Chairs: Amdouni (EURECOM, France), Ichrak Amdouni (LISSI, France)

Thursday, October 29 11:00 - 12:30

S3: Full papers 2: SDN/IoT

Chair: Sidi-Mohammed Senouci (University of Bourgogne - ISAT Nevers, France)

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Sylvain Cherrier (Université Gustave Eiffel, France); Rami Langar (University Gustave Eiffel, France)

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Chair: Cedric Adjih (INRIA, France)

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Thursday, October 29 3:15 - 4:15

KN3: Thu 29-Oct-2020 15:15 - 16:15 - Keynote # 3: AI-Enabled Wireless Networks: A Bridge from 5G to 6G

Chair: Yacine Ghamri-Doudane (University of la Rochelle, France)

Friday, October 30

Friday, October 30 9:45 - 10:45

KN4: Fri 30-Oct-2020 09:45 - 10:45 - Keynote #4: Small data transmission in 5G New Radio (NR) systems: Applications, design and performance evaluation

Chair: Ilhem Fajjari (Orange labs, France)

Friday, October 30 11:00 - 12:30

S5: Full papers 3: Fog Computing

Chair: Mohammad Hammoudeh (Manchester Metropolitan University, United Kingdom (Great Britain))

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Hoan Le (Université Sorbonne Paris Nord & L2TI, France); Nadjib Achir (University of Paris 13 & L2TI - University of Paris 13, France); Khaled Boussetta (Université Sorbonne Paris Nord, France)

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