



USA delegation visit to 5TONIC 9-10/3/2020, Madrid

Agenda

Day 1: March 9: 5TONIC, Madrid

10:00 arrival to 5TONIC

10:15 -11:00 Presentation of IMDEA and 5TONIC by Arturo Azcorra (UC3M, IMDEA, 5TONIC)

11:00 - 11:30 Coffee

11:30 - 13:00 Demonstrations

- Millimeter-Wave Experimentation Platforms: From Narrowband to Ultra Wideband MIMO Systems – Joerg Widmer Group (Presentation + demo 30 min), IMDEA
- Presentation of research in Visible Light Communication Systems and demonstration of OpenVLC (openvlc.org). Demo about video streaming using embedded Linux boards and low cost Visible light communication hardware for IoT applications – Domenico Giustiniano (20 min), IMDEA
- Presentation and Demonstration of Electrosense (electrosense.org): crowdsourced spectrum data analytics with low-cost spectrum sensors and big data architecture. The demonstration will show the new capabilities of the system, with real-time decoding of spectrum data to provide incentives to users – Domenico Giustiniano (20 min), IMDEA

13:00 - 14:00 Lunch

14:00 - 16:00 Presentations on European Research projects

- EC H2020 5G Infrastructure PPP Programme and Projects – Didier Bourse (15 min), Nokia
- InterDigital's Experimental Platform for 5G Industry Verticals – Alain Mourad (15 min, Webex), IDCC
- ICT-17 Platform 5GENESIS – Pedro Merino (20 min), UMA
- ICT-17 Platform 5G-VINNI
 - 5G-VINNI 5G Vertical Innovation Infrastructure project presentation – Carmen Guerrero (20 min), UC3M
 - 5G-VINNI Demo on Model-based Telemetry for KPI measurement – Sonia Fernández (Telefonica R+D) and Adrian Gallego (UC3M) (20 min)
 - 5G-VINNI Demo on First steps on Testing as a Service: OpenStack OpenTAP plug-in in 5TONIC Spain Facility – Adrian Gallego (20 min) in collaboration with Keysight, UC3M

16:00 - 16:30 Coffee

16:30 - 18:00 Collaboration Meetings

- Collaboration discussion with 5GENESIS – 30 min (Pedro Merino)
- Collaboration discussion with EMPOWER – 30 min (Didier Bourse, Antonio de la Oliva, Arturo Azcorra)



- Collaboration discussion with 5G-VINNI – 30 min (Carmen Guerrero, Sonia Fernández, Adrian Gallego)

20:00 Self-Paid Dinner

Day 2: March 10: 5TONIC, Madrid + Travel Home PM

9:00 Arrival to 5TONIC

9:15 - 10:15 Presentations on European Research projects

- 5G-EVE
 - 5G EVE project presentation – Pablo Serrano (10 min), UC3M
 - 5G EVE Portal and Validation Framework presentation + demo – Ginés García (20 min), UC3M
 - 5G EVE Industry 4.0 demonstration – Ignacio Berberana (10 min), 5TONIC

10:15 - 11:00 Collaboration Meetings

- Collaboration discussion with 5G-EVE – Pablo Serrano, Ignacio Berberana, Ginés García (45 min)

11:00 - 11:30 Coffee

11:30 - 12:30 Demonstrations

- Demo: vrAI Proof-of-Concept — A Deep Learning Approach for Virtualized RAN Resource Control – Marco Gramaglia (30 min), UC3M
- Video demo of Robot deployment at shopping mall in Taiwan – Antonio de la Oliva (10 min), UC3M
- Video demo about next generation eHealth services – Antonio de la Oliva (15 min), UC3M

12:30 – 13:00 Ad-hoc meetings with researchers

13:00 – Adjourn