Wed Dec. 9th - Market and Industry Trends for IoT

9:00 Session 1: Setting the Scene: IoT from platforms and architectures to semantic interoperability
Chair: Enrico Scarrone, Telecom Italia and oneM2M Steering Committee Vice-Chair

- 09:00 ETSI Welcome
  Adrian Scrase, ETSI CTO
- 09:10 Standardized service layering for IoT in oneM2M
  Nicolas Damour, oneM2M Architecture WG Chairman
- 09:40 KEYNOTE: Horizontal platforms offer fast track to vertical applications - Applicability of oneM2M to smart city and smart living
  Omar Elloumi, oneM2M Technical Plenary Chairman
- 10:10 Demonstration overview
  Laurent Velez, ETSI CTI

10:30 COFFEE AND DEMO VISIT

11:00 Session 2: Recent IoT Market Developments and Stakeholder Strategies
Chair: Ken Figueredo, More with Mobile

- 11:00 IoT market dynamics and their strategic implications for industry stakeholders
  Ken Figueredo, More with Mobile
- 11:20 The Cloud Multi-Angle: Connecting value chains into durable IoT ecosystems
  Arthur Van der Wees, Arthur’s Legal B.V.
- 11:40 Business models, eco systems and value chains
  Avihai Degani, IPGallery
- 12:00 Questions and Answers

12:30 – 13:45 NETWORKING LUNCH AND DEMO VISIT

- 13:45 KEYNOTE: A single market for the Internet of Things: Large Scale Pilots, AIOTI and standardisation
  Achilleas Kemos, European Commission

14:15 Session 3: What’s New in Standards and Alliances
Chair: Josef Blanz Qualcomm

- 14:15 Using semantics and rich metadata to bridge IoT silos — W3C’s work on the Web of Things
  Dave Raggett, W3C
- 14:35 Integrating GlobalPlatform technology with the oneM2M Architecture
  Hans Sebastian, GlobalPlatform
- 14:55 OMA, Service Capability exposure and the DM light
  Joaquin Prado, OMA Technical Program Director
- 15:15 3GPP for IoT
  Rémi Lascoux, 3GPP GERAN3 Chairman

15:35 COFFEE AND DEMO VISIT
16:15 Session 4: Trends in wireless technologies for IoT and related security challenges
Chair: François Ennesser, Gemalto

- **16:15** Emerging Mobile IoT Technologies: Use cases, business and security requirements
  Svetlana Grant, GSMA
- **16:35** Application of OneM2M technologies for Low Power Wide Area network radio communications (LPWA-LoRa) in the city and first client experiences feedback
  Nicolas Jordan, Actility
- **16:55** DECT Ultra Low Energy (ULE): the ETSI approach to a mid-range wireless technology for IoT
  Angel Bóveda, Wireless Partners
- **17:15** Security in Low Power Low Throughput network
  Pierre Girard, Gemalto
- **17:35** Questions and Answers

17:45 Happy Hour!
**Thu Dec. 10th - Smart City & Smart Living**

**9:00 Session 5: Smart and Sustainable Cities, Towards Large Scale and Integrated Deployments**  
Chair: Nicolas Damour, Sierra Wireless

- **09:00** oneM2M based R&D and large scaled pilot projects including Busan smart city in Korea  
  Jaehoon Jeong, Ministry of Science, ICT and Future Planning of the Republic of Korea
- **09:20** Massive IoT deployment in the city framework: Some lessons learned  
  José Antonio Galache, University of Cantabria, Santander, Spain
- **09:40** Construction sector / ICT / Linked Data, Key topics towards smart buildings and cities  
  Bruno Fiès, CSTB
- **10:00** oneTRANSPORT: A real oneM2M deployment to reshape the Transport Sector  
  Raphael Cepeda Lopez, InterDigital Communications
- **10:20** A middleware for M2M services in the IoT segment of Intelligent Transport Systems  
  Paolo Pagano, CNIT

**10:40 COFFEE AND DEMOS**

**11:15 PANEL DISCUSSION: Opportunities and Challenges in the Wide Scale Deployment of Smart Cities**  
Chair: Achilleas Kemos, European Commission

- Jaehoon Jeong, Ministry of Science, ICT and Future Planning of the Republic of Korea
- José Antonio Galache, University of Cantabria, Santander, Spain
- Bruno Fiès, CSTB
- Joachim Koss, ETSI STF 505

**12:30 Networking lunch + DEMO VISIT**

**14:00 Session 6: Smart Living - Challenges Towards Large Scale Interoperability**  
Chair: Patricia Martigne, Orange

- **14:00** SAREF ontology for smart appliances: status, evolution and testing  
  Svetoslav Mihaylov European Commission & Jasper Roes, TNO
- **14:30** The integration of M2M and CEN/CENELEC standards for Smart Metering. An update on activities  
  Willem Strabbing, ESMIG
- **14:50** Achieving Interoperability in the IoT/M2M Market  
  Hans-Werner Bitzer, HGI

**15:10 COFFEE AND DEMOS**

**15:45 Session 7: From Smart Living to Well Being, e-health**  
Chair: Josef Blanz Qualcomm

- **15:45** Personal Connected Health Alliance (PCHA) – Who, What, Why  
  Laurent Bouskela, Market Adoption Working Group chair for Continua
- **16:05** Ambient Assisted Living: The European Landscape and Links to IoT  
  Saied Tazari, Fraunhofer IGD

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16:30 PANEL DISCUSSION : Smart Living Challenges
Chair Omar Elloumi, Alcatel-Lucent, oneM2M TP Chair

- Avi Barel, ULE Alliance
- Willem Strabbing, ESMIG
- Hans-Werner Bitzer, HGI
- Ian Hay, Chair of the Technical Working Group, Continua Alliance
- Emmanuel Darmois, ETSI STF 505

17:45 Happy Hour!
Fri Dec. 11th - Implementation and Large Scale Projects

09:00 Session 8: Standards and Open Source, Complementarity or Competition?
Chair: Anthony Wiles, ETSI

- **09:00** The power of open source implementations to oneM2M standards
  Jaeseung Song, Sejong University and KETI
- **09:20** Open Interconnect Consortium and Iotivity, Open standards and open source, how can they leverage each other?
  Stéphane Lejeune, Cisco
- **09:40** Driving IoT adoption with Open Source and Open Standards
  Benjamin Cabé, Eclipse Foundation
- **10:00** Applicability of the Leshan Open Source for IoT platform
  Paunescu Octavian, Hewlett Packard

10:20 COFFEE AND DEMOS

11:00 Session 9: Semantic interoperability, the next challenge for the IoT industry
Chair: Martin Bauer, NEC

- **11:00** ETSI smartM2M: Smart Appliances Standardization and supporting activities in oneM2M
  Enrico Scarrone, Telecom Italia
- **11:20** Semantic back-end support for OneM2M implementation
  Hassan Ali, HDE labs
- **11:40** Resource Discovery in IoT: Current Trends, Gap Analysis and Future Standardization Aspects
  Soumya Kanti Datta, Eurecom

12:00 TAKE AWAY /WORKSHOP CONCLUSIONS
Enrico Scarrone, Nicolas Damour, Omar Elloumi
Prize draw from Quiz to participants

12:30 GRAB A SANDWICH AND TAKE OFF!