EC FP7 Marie Curie IAPP Project 324515

5th Quarterly News Digest

[March 2014 – May 2015]

Eds. M. Stratakis (Forthnet) and Q. He (LiU)

March 2014

- **A. Fragkiadakis** (FORTH) delivers an invited outreach talk at the High School of Episkopi, Crete, on "*Wireless Mesh Network Technologies and Applications*".

- **A. Fragkiadakis** ended his secondment at Forthnet, Greece.

- **A. Capone** (MobiMESH) delivers a re-intergation seminar at MobiMESH, on the topic of *"Resource assignment problems in wireless networks: modelling and algorithmic approaches"*.

- **D. Yuan** ended his secondment at MobiMESH, Italy.

April 2014

- MESH-WISE Partners lead the hosting of System and Network Optimization for Wireless (SNOW), in Åre, Sweden, with **Di Yuan** & **Björn Landfeld** co-chairing.
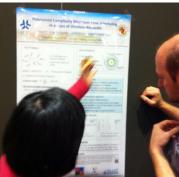
- *A Unified Graph Labeling Algorithm for Consecutive-Block Channel Allocation in SC-FDMA*, by **Lei Lei**, **Di Yuan** (LiU), Chin Keong Ho, and Sumei Sun, presented at SNOW

- *Polynomial Complexity Minimum-Time Scheduling in a Class of Wireless Networks*, (Poster) by **Q. He**, **V. Angelakis**, A. Ephremides, and **D. Yuan** (LiU), presented at SNOW

- *Basic Fundamental Optimization Topology Design for Free Space Optical Networks*, (Poster) by **Scott Fowler** (LiU) and **Yuan Li** (ULUND) presented at SNOW

- *Presence and Sensor Platform*, (Poster) **Stefano Napoli** and **Alberto Pollastro** (MobiMESH), presented at SNOW

- MESH-WISE holds a dedicated *Open Workshop Event* at SNOW with the Advisory Committee via video-conference tools.

  Six technical presentations are given by fellows and members of the project

  - **Vangelis Angelakis** (LiU): *Reliable multihop wireless mesh backbone design based on FSO links*
  - **Björn Landfeldt** and **Antonio Franco** (ULUND): *Cooperative systems configuration among wireless mesh nodes*
  - **Elias Tragos** (FORTH): *The impact of interference on the performance of a wireless metropolitan multi-path multi-radio mesh network*
  - **George Vasilakis** (Forthnet): *Wireless Mesh Networking market exploitation potential*
  - **Stefano Napoli** (MobiMESH): *Heterogeneous WiFi and sensor networks: Zigbee and Bluetooth low energy architecture models for a smart city MESH-WISE scenario*
  - **Eleni Karamichali** (FORTH): *Incentives for citizen participation in smart city applications enabled by wireless heterogeneous mesh access*
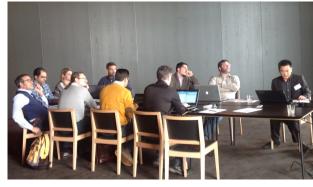
- **M. Stratakis** (Forthnet) and **S. Napoli** (Mobimesh) gave a joint guest lecture at LiU on the topic of *"MESH applications of Wireless Communications Systems"* in TNK080 "Wireless Communication Systems", Spring 2014 (course responsible: V. Angelakis).

- **S. Fowler** (LiU) ended his secondment at MobiMESH, Italy.

May 2014

- **S. Napoli** (MobiMESH) delivers two re-intergation seminars at MobiMESH, on the topics of *"Performance issues in wireless mesh networks"* and *"Smart architectures for Smart Environments".*

- **M. Stratakis** (Forthnet) delivers a 2-ECTS PhD course, on *"Commercialization of Innovation"* and ends his secondment at LiU.