EC FP7 Marie Curie IAPP Project 324515

3rd Quarterly News Digest

[September-November 2013]

Eds. M. Stratakis (Forthnet) and V. Angelakis (LiU)
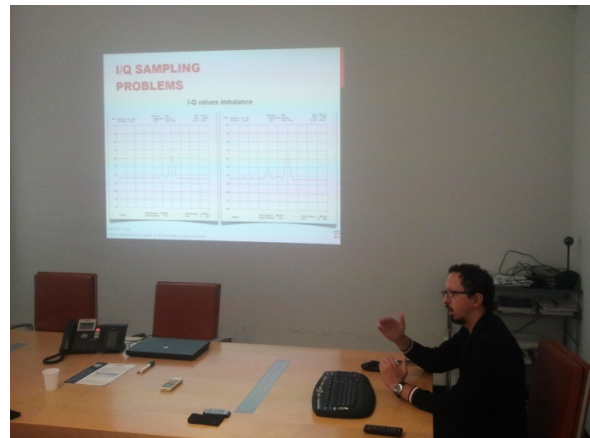
Dec. 2013

September 2013

- **D1.6: "**Dissemination & outreach plan", is the first publicly available deliverable of MESH-WISE. It can be retrieved from the project webpage on the Dissemination → Public Deliverables section (Direct link: http://www.mesh-wise.eu/d61.pdf).

- News-piece on **MESH-WISE** appears in Greek news portal Cretalive www.cretalive.gr reported 1.5 million hits in September. (Direct link: http://www.cretalive.gr/culture/view/sunergasia-ite-forthnet-gia-asurmata-diktua-plegmatos/108627).

  English version available in FORTH's news page (Direct link: www.forth.gr/index_main.php?l=e&c=28&i=476e).

- **V. Angelakis** (LiU) presents the MESH-WISE project to the Communications and Transportaion Systems at the KTS Seminar Series of LiU.

- **Best Paper Award** for: *An Optimization Model for Communication Networks with Partial Multiple Link Failures*, by **M. Pioro** (ULUND), D. Nace, and Y. Fouquet, presented in the 5th International Workshop on Reliable Network Design and Modeling (**RNDM**), 2013.

- *Improved Resource Allocation Algorithm based on Partial Solution Estimation for SC-FDMA Systems*, by **L. Lei**, **S. Fowler**, and **D. Yuan** (LiU), presented in the IEEE 78th Vehicular Technology Conference (**VTC**), 2013.

- *Evaluation of Cell Selection Algorithms in LTE-advanced Relay Networks*, by Z. Chao, **V. Angelakis**, **D. Yuan** (LiU), and B. Timus, presented in the IEEE 18th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (**CAMAD**), 2013.

- *Power Efficient Uplink Scheduling in SC-FDMA: Bounding Global Optimality by Column Generation*, by H. Zhao, **L. Lei**, **D. Yuan** (LiU), T. Larsson, and E. Rönnberg, presented in the IEEE 18th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (**CAMAD**), 2013.

- *Joint Compressed-sensing and Matrix-Completion for Efficient Data Collection in WSNs* , by **A. Fragkiadakis**, **Y. Askoxylakis**, and **E. Tragos** (FORTH), presented in the IEEE 18th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (**CAMAD**), 2013.

- **V. Angelakis** (LiU) undertakes TPC duties in 2014 IEEE/SAE International Conference on Connected Vehicles & Expo.
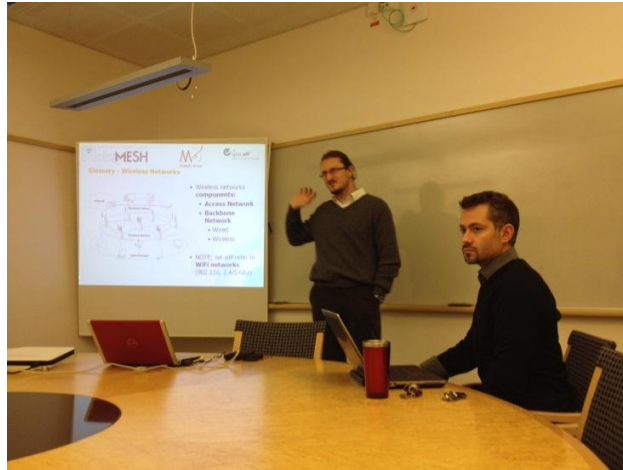
- **Stefano Napoli** of MobiMESH starts his secondment at Linköping University, Sweden.

- **Stefanos Papadakis** of FORTH starts his secondment in MobiMESH, Italy.

  - Dr. Papadakis gives a tutorial at MobiMESH on "*Choices Challenges and Solutions for Cognitive Radio for Emergency Communications*"

  - Dr. Papadakis gave an invited talk to students of **Politechnico di Milano** on Building a Cognitive Radio system for Emergency Communications.

- Mr. Napoli Delivers an open seminar at LiU on "Real life issues and guidelines in designing and implementing a municipal wireless network"

- Dr. Saeed Bastani is selected for recruitment at Lund University as a MESH-WISE Experienced Researcher. Dr Bastani comes from the University of Sydney and will start working on MESH-WISE in 2014.

- *A unified graph labeling algorithm for consecutive-block channel allocation in SC-FDMA*, by **L. Lei**, C.-K. Ho, S. Sun, and **D. Yuan**. Appears in *IEEE Transactions on Wireless Communications*, IEEE, 12:5767-5779, 2013.

- Björn Landfeldt Chairs 16th ACM/IEEE International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems – MSWIM 2013 in Barcelona, Spain.

- *Improving minimum flow rate in wireless mesh networks by effective placement of directional antennas*, by **Y. Li, M. Pioro,** and **B. Landfeldt**, is presented at ACM/IEEE MSWIM 2013, **(acceptance ratio: 26%)**.