EC FP7 Marie Curie IAPP Project 324515

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[June-August 2013]

Eds. M. Stratakis (Forthnet) and S. Modarres Razavi (LiU)

September 2013

- *Experience from Testbeds and Management platforms towards Mesh Networking with Heterogeneous Wireless Access*, by **V. Angelakis** (LiU), **A. Capone** (MobiMESH), **A. Fragkiadakis** (FORTH), **S. Napoli** (MobiMESH), **S. Papadakis** (FORTH), **G. Perantinos** (Forthnet), **V. Spitadakis** (Forthnet), **E. Tragos** (FORTH) and **D. Yuan** (LiU), presented at the 3rd IEEE Workshop on Convergence among Heterogeneous Wireless Systems in Future Internet (**IEEE WoWMoM-CONWIRE**), in Madrid, Spain.

- *Cognitive Radio Inspired M2M Communications*, **invited paper** by **E. Tragos** (FORTH) and **V. Angelakis** (LiU), presented at the IEEE Global Wireless Summit (**IEEE GWS-WPMC**), in Atlantic City, NJ, USA.

- *Performance Issues of Multiple-Relay Cooperation*, by G. Papadimitriou, N. Pappas, **A. Traganitis** (FORTH), presented at the IEEE International Conference on Communications (**IEEE ICC**) - Wireless Networking Symposium, in Budapest, Hungary.

- *Taking Advantage of Interference by Rate Control Algorithms in Wireless Networks,* by **V. Angelakis** (LiU), S. Elyasi, S. Katuri, and **D. Yuan** (LiU), presented at the IEEE Workshop on Smart Communication Protocols and Algorithms - IEEE International Conference on Communications (**IEEE ICC-SCPA**), in Budapest, Hungary.

- *Data Offloading in Load Coupled Networks: Solution Characterization and Convexity Analysis,* by C.-K. Ho, **D. Yuan** (LiU), and S. Sun, presented at the IEEE 2nd International Workshop on Small Cell Wireless Networks - IEEE International Conference on Communications (**IEEE ICC-SmallNets**), in Budapest, Hungary.

- *Successive IC Enabled by Rate Management in 802.11 Ad Hoc Wireless Networks*, by **V. Angelakis** (LiU), **E. Tragos** (FORTH), **S. Papadakis** (FORTH) and **D. Yuan** (LiU), presented at the 4th International Conference on Smart Communications in Network Technologies (**SaCoNet**), in Paris, France.

- *Malicious Traffic Analysis in Wireless Sensor Networks using Advanced Signal Processing Techniques,* by **A. Fragkiadakis** and **I. Askoxylakis** (FORTH), presented at the Institute of Computer Science, FORTH, Greece.

- *An Innovative Rate Adaptation Algorithm for Multicast Transmissions in Wireless LANs*, by S. Paris, N. Facchi, F. Gringoli, **A. Capone** (MobiMESH), presented at the 77th IEEE Vehicular Technology Conference (IEEE VTC), in Dresden, Germany.

- **A. Capone** (MobiMESH) takes the TPC Area Chair role in IEEE Infocom 2014.

- **A. Capone** (MobiMESH) joins Technical Program Committees of IEEE WoWMoM 2014, IEEE Online GreenComm'13, IFIP SustainIT 2013.

- **B. Landfeldt** (ULUND) has been appointed the scientific leader of the Mobile and Pervasive Communication Research Institute (MAPCI), which is a research institute founded by Lund Uni and SONY Mobile.

- *Optimization of Power Management for Heterogeneous Networks,* poster by **J. Liu**, **B. Landfeldt**, and **A. Franco** (ULUND), presented at the 9th Swedish National Computer Networking Workshop (**SNCNW**), in Lund, Sweden.

- *Cooperative Networks Configurations and Self-Organizing Networks,* poster by **A. Franco**, **J. Liu,** and **B. Landfeldt** (ULUND), presented at the 9th Swedish National Computer Networking Workshop (**SNCNW**), in Lund, Sweden.

- *Probabilistic Routing Schemes for Ad-Hoc Opportunistic Networks,* by **V. Angelakis** (LiU), **E. Tragos** (FORTH), **G. Perantinos** (Forthnet), and **Di Yuan** (LiU), published in: I. Woungand, et al. (eds.), Routing in Opportunistic Networks, Springer, (ISBN 978-1-4614-3513-6).

- *Traffic performance of affine routing*, by **M. Pioro** (ULUND), D. Nace, M. Poss, presented at the European Teletraffic Seminar, in Karlskrona, Germany.

- **M. Pioro** (ULUND) was awarded the Labex MS2T grant supported by the French Government through the program ``Investments for the future'' managed by the National Agency for Research (Reference ANR-11-IDEX-0004-02) to become a visiting professor at Compiegne Universite de Technologie, in Compiegne, France during May-June 2013.

- *An Optimization Model for Communication Networks with Partial Multiple Link Failures*, by **M. Pioro** (ULUND), D. Nace, Y. Fouquet, accepted in the 5th International Workshop on Reliable Network Design and Modeling (RNDM2013).

- MESH-WISE is now on Linkedin and Twitter.

July 2013

- *Improving Minimum Flow Rate in Wireless Mesh Networks by Effective Placement of Directional Antennas*, by **Y. Li**, **M. Pioro** and **B. Landfeldt** (ULUND), accepted at the **ACM MSWIM**, in Barcelona, Spain.

- *On Road Network Utility based on Risk-aware Link Choice*, by E. Fitzgerald and **B. Landfeldt** (ULUND), accepted at IEEE Intelligent Transport Systems Conference (**ITSC**), in The Hague, Netherlands.

- *Trading Accuracy and Resource Usage in Highly Dynamic Vehicular Networks*, by E. Fitzgerald and **B. Landfeldt** (ULUND), accepted at IEEE Intelligent Transport Systems Conference (**ITSC**), in The Hague, Netherlands.

■ July 8th: **D. Yuan** and **V. Angelakis** (LiU) attended the IAPP coordinator's briefing (call 2012) in Brussels, Belgium.

- *A Unified Graph Labeling Algorithm for Consecutive-Block Channel Allocation in SC-FDMA*, **L. Lei** (LiU), C.-K. Ho, S. Sun, and **D. Yuan** (LiU), accepted at the IEEE Transactions on Wireless Communications.

- *OSPF Optimization via Dynamic Network Management for Green IP Networks*, **A. Capone**, **C. Cascone** (MobiMESH), L.G. Gianoli, B. Sansò, accepted at the 3rd IFIP Conference on Sustainable Internet and ICT for Sustainability (**Sustainit**).

- *Leveraging Mesh Networking Testbeds and Management Platforms towards Heterogeneous Wireless Access by the MESH-WISE Project*, poster by **S. Modarres Razavi** (LiU), **V. Angelakis** (LiU), **A. Capone** (MobiMESH), **A. Fragkiadakis** (FORTH), **S. Napoli** (MobiMESH), **S. Papadakis** (FORTH), **G. Perantinos** (FORTHNET), **E. Tragos** (FORTH), **D. Yuan** (LiU), **M. Pioro** (ULUND), **U. Körner** (ULUND), presented at the Swedish Communication Technologies Workshop (**Swe-CTW**), in Gothenburg, Sweden.

- *A Distributed, Load-Aware, Power and Frequency Allocation Scheme for LTE Networks*, poster by M. Sajid, I. Siddiqui, and **V. Angelakis** (LiU), presented at the Swedish Communication Technologies Workshop (**Swe-CTW**), in Gothenburg, Sweden.