

Scientific Publications

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Journals

- [1] Manabu Tsukada, José Santa, Olivier Mehani, Yacine Khaled, and Thierry Ernst. Design and experimental evaluation of a vehicular network based on NEMO and MANET. *EURASIP Journal on Advances in Signal Processing*, 2010, September 2010. ISSN 1687-6180. doi: 10.1155/2010/656407. URL <http://www.hindawi.com/journals/asp/2010/656407.html>. Article ID 656407, Special Issue on Vehicular Networks.
- [2] José Santa, Manabu Tsukada, Thierry Ernst, Olivier Mehani, and Antonio F. Gómez-Skarmeta. Assessment of VANET multi-hop routing over an experimental platform. *International Journal of Internet Protocol Technology*, 4(3):158–172, September 2009. ISSN 1743-8209. doi: 10.1504/IJIPT.2009.028655. URL http://www.inderscience.com/search/index.php?action=record&rec_id=28655.

Conference and Workshop Papers

- [1] Olivier Mehani, Roksana Boreli, Michael Maher, and Thierry Ernst. User- and application-centric multihomed flow management. In Tom Pfeifer and Anura Jayasumana, editors, *LCN 2011, 36th IEEE Conference on Local Computer Networks*, Los Alamitos, CA, USA, October 2011. IEEE Computer Society. ISBN 978-1-61284-928-7. URL <http://www.nicta.com.au/pub?id=4578>.
- [2] Olivier Mehani, Roksana Boreli, Guillaume Jourjon, and Thierry Ernst. Mobile multimedia streaming improvements with Freeze-DCCP. In Romit R. Choudhury and Henrik Lundgren, editors, *MobiCom 2010, 16th Annual International Conference on Mobile Computing and Networking, Demonstration Session*. ACM SIGMOBILE, September 2010. URL <http://www.nicta.com.au/pub?id=4097>.
- [3] Olivier Mehani, Roksana Boreli, and Thierry Ernst. Context-adaptive vehicular network optimization. In Marion Berbineau, Makoto Itami, and Guangjun Wen, editors, *ITST 2009, 9th International Conference on Intelligent Transport Systems Telecommunications*, pages 186–191, Piscataway, NJ, USA, October 2009. IEEE. ISBN 978-1-4244-5347-4. URL <http://hal.inria.fr/inria-00426451/>.
- [4] Terence Chen, Olivier Mehani, and Roksana Boreli. Trusted routing for VANET. In Marion Berbineau, Makoto Itami, and Guangjun Wen, editors, *ITST 2009, 9th International Conference on Intelligent Transport Systems Telecommunications*, pages 647–652, Piscataway, NJ, USA, October 2009. IEEE. ISBN 978-1-4244-5347-4. URL <http://www.nicta.com.au/pub?id=2152>.

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- [5] Olivier Mehani, Roksana Boreli, and Thierry Ernst. Analysis of TFRC in disconnected scenarios and performance improvements with Freeze-DCCP. In Jörg Ott and Kun Tan, editors, *MobiArch 2009, 4th ACM International Workshop on Mobility in the Evolving Internet Architecture*, New York, NY, USA, June 2009. ACM. ISBN 978-1-60558-688-5. URL <http://www.nicta.com.au/pub?id=1405>.
- [6] Olivier Mehani and Roksana Boreli. Adapting TFRC to mobile networks with frequent disconnections. In Benoit Donnet, Boon T. Loo, Ryuji Wakikawa, Keith W. Ross, and Leandros Tassioulas, editors, *CoNEXT 2008, 4th ACM International Conference on emerging Networking EXperiments and Technologies*, New York, NY, USA, December 2008. ACM. ISBN 978-1-60558-264-8. doi: 10.1145/1544012.1544049. URL <http://www.nicta.com.au/pub?id=1415>. Student Workshop.
- [7] Manabu Tsukada, Olivier Mehani, and Thierry Ernst. Simultaneous usage of NEMO and MANET for vehicular communication. In Miguel Ponce de Leon, editor, *TridentCom 2008, 4th International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities*, Brussels, Belgium, March 2008. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering). ISBN 978-963-9799-24-0. URL <http://hal.inria.fr/inria-00265652/>. WEEDEV 2008, 1st Workshop on Experimental Evaluation and Deployment Experiences on Vehicular Networks.
- [8] Olivier Mehani, Rodrigo Benenson, Séverin Lemaignan, and Thierry Ernst. Networking needs and solutions at Imara. In Ulrich Finger, Masayuki Fujise, Christian Bonnet, Massimiliano Lenardi, Shozo Komaki, and GuangJun Wen, editors, *ITST 2007, 7th International Conference on Intelligent Transport Systems Telecommunications*, pages 362–367, Piscataway, NJ, USA, June 2007. IEEE. ISBN 1-4244-1178-5. doi: 10.1109/ITST.2007.4295894. URL <http://hal.inria.fr/inria-00147286/>.
- [9] Olivier Mehani and Arnaud de La Fortelle. Trajectory planning in a crossroads for a fleet of driverless vehicles. In Roberto Moreno Díaz, Franz Pichler, and Alexis Quesada Arencibia, editors, *EUROCAST 2007, 11th International Conference on Computer Aided Systems Theory*, volume 4739 of *Lecture Notes in Computer Science*, pages 1159–1166, Heidelberg, Germany, February 2007. Springer-Verlag Berlin. ISBN 978-3-540-75866-2. URL <http://hal.inria.fr/inria-00147208/>.

Other Material

- [1] Olivier Mehani. *Contributions to Mechanisms for Adaptive Use of Mobile Network Resources*. PhD thesis, Mines ParisTech / University of New South Wales, Paris, France / Sydney, Australia, December 2011. URL http://olivier.mehani.name/publications/2011mehani_adaptive_use_mobile_networks_phd.pdf.
- [2] Olivier Mehani, Guillaume Jourjon, Jolyon White, Thierry Rakotoarivelo, Roksana Boreli, and Thierry Ernst. Characterisation of the effect of a measurement library on the performance of instrumented tools. Technical Report 4879, NICTA, Sydney, Australia, May 2011. URL <http://www.nicta.com.au/pub?id=4879>.
- [3] Olivier Mehani. Mesoscopic management of a fleet of cybercars at a crossroads. Master’s thesis, Chalmers Tekniska Högskola, Gothenburg, Sweden, March 2007. URL http://olivier.mehani.name/publications/2006mehani_cybercars_crossroads.pdf.
- [4] Fortunato Flores Ando, Vasiliki Georgiadou, Andreas Hultberg, Karl Jansson, and Olivier Mehani. Information retrieval system. Homework report for the Artificial Intelligence course at Chalmers Tekniska Högskola, June 2006. URL http://olivier.mehani.name/publications/2006flores-ando_georgiadou_hultberg_jansson_mehani_information_retrieval.pdf.

- [5] Olivier Mehani. Can complex systems help design better chess-playing programs? Homework report for the Complex Systems Seminar course at Chalmers Tekniska Högskola, January 2006. URL http://olivier.mehani.name/publications/2006mehani_chess.pdf.
- [6] Amélie Anglade, Benoît Bleuzé, and Olivier Mehani. Rumor spreading in simulated PGP trust networks. Homework report for the Simulation of Complex Systems course at Chalmers Tekniska Högskola, December 2005. URL http://olivier.mehani.name/publications/2005anglade_bleuze_mehani_pgp.pdf.