Scientific Publications

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Book Chapters

[1] Thierry Rakotoarivelo, Guillaume Jourjon, **Olivier Mehani**, Max Ott, and Michael Zink. *A Walk Through the GENI Experiment Cycle*, chapter 17, pages 407–431. Springer, 2016. ISBN 978-3-319-33767-8. doi: 10.1007/978-3-319-33769-2_17. URL https://link.springer.com/chapter/10.1007/978-3-319-33769-2_17.

Journals

[1] Nicolas Kuhn, **Olivier Mehani**, Huyen-Chi Bui, Emmanuel Lochin, Jérôme Lacan, José Radzik, and Roksana Boreli. Improving web experience on DVB-RCS2 links. *Annals of Telecommunications — Annales des télécommunications*, 70, June 2015. ISSN 1958-9395. doi: 10.1007/s12243-015-0467-6. URL http://www.nicta.com.au/pub?id=6953.

[2] **Olivier Mehani**, Guillaume Jourjon, Thierry Rakotoarivelo, and Max Ott. An instrumentation framework for the critical task of measurement collection in the future Internet. *Computer Networks*, 63:68–83, April 2014. ISSN 1389-1286. doi: 10.1016/j.bjp.2014.01.007. URL http://www.nicta.com.au/pub?id=6718.

[3] 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.

[4] 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] Dario Banfi, **Olivier Mehani**, Guillaume Jourjon, Lukas Schwaighofer, and Ralph Holz. Endpoint-transparent multipath transport with software-defined networks. In Jens Toelle and Kemal Akkaya, editors, *LCN 2016, 41th IEEE Conference on Local Computer Networks*, pages 307–315, New York, NY, USA, November 2016. IEEE Computer Society, IEEE. doi: 10.1109/LCN.2016.29. URL https://olivier.mehani.name/publications/2016banfi_endpoint-transparent_multipath_sdn.pdf.

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[2] Simone Ferlin, Özgü Alay, **Olivier Mehani**, and Roksana Boreli. BLEST: Blocking estimation-based MPTCP scheduler for heterogeneous networks. In Jörg Ott, Christos Papadopoulos, and Fabio Ricciato, editors, *IFIP Networking 2016*, Los Alamitos, CA, USA, May 2016. IFIP TC6, IEEE Computer Society, Universität Wien, IEEE. URL https://www.nicta.com.au/pub?id=9108.

[3] Ralph Holz, Johanna Amann, **Olivier Mehani**, Matthias Wachs, and Mohamed A. Kaafar. TLS in the wild: An internet-wide analysis of TLS-based protocols for electronic communication. In Srdjan Capkun, editor, *NDSS 2016, Network and Distributed System Security Symposium*, Geneva, Switzerland, February 2016. Internet Society, Internet Society. ISBN 1-891562-41-X. doi: 10.14722/ndss.2016.23055. URL http://www.nicta.com.au/pub?id=8943.

[4] Vijay Sivaraman, Hassan H. Gharakheili, Arun Vishwanath, Roksana Boreli, and **Olivier Mehani**. Network-level security and privacy control for smart-home IoT devices. In Abderrahim Benslimane, editor, *STWiMob 2015, 8th IEEE International Workshop on Selected Topics in Wireless and Mobile computing*, New York, NY, USA, October 2015. IEEE Computer Society, IEEE. URL https://olivier.mehani.name/publications/2015sivaraman_network-level_security_smart-home_iot.pdf.

[5] **Olivier Mehani**, Ralph Holz, Simone Ferlin, and Roksana Boreli. An early look at multipath TCP deployment in the wild. In Fehmi B. Abdesslem and Weixiong Rao, editors, *HotPlanet 2015, 6th International Workshop on Hot Topics in Planet-Scale Measurement (in conjunction with ACM MobiCom 2015)*, New York, NY, USA, September 2015. ACM. doi: 10.1145/2798087.2798088. URL http://www.nicta.com.au/pub?id=8791.

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[7] **Olivier Mehani**, Ronnie Taib, and Benjamin Itzstein. Time calibration in experiments with networked sensors. In Nils Aschenbruck and Salil Kanhere, editors, *LCN 2014, 39th IEEE Conference on Local Computer Networks*, pages 386–389, Los Alamitos, CA, USA, September 2014. IEEE Computer Society, IEEE. ISBN 978-1-4799-3780-6/14. URL http://www.nicta.com.au/pub?id=7991.

[8] Nicolas Kuhn, Emmanuel Lochin, Jérôme Lacan, **Olivier Mehani**, and Roksana Boreli. CLIFT: a Cross-layer InFormation Tool to perform cross-layer analysis based on real physical traces. In Marco Luise and Sabino Titomanlio, editors, *ASMS 2014, 7th Advanced Satellite Multimedia Systems Conference*, pages 182–189, September 2014. URL http://www.nicta.com.au/pub?id=8068.

[9] Nicolas Kuhn, Emmanuel Lochin, and **Olivier Mehani**. Revisiting old friends: Is CoDel really achieving what RED cannot? In Arvind Krishnamurthy, Sylvia Ratnasamy, Mirja Kühlewind, and Dirk Kutscher, editors, *SIGCOMM 2014, Conference on Applications, Technologies, Architectures, and Protocols for Computer Communication, Capacity Sharing Workshop (CSWS 2014)*, pages 3–8, New York, NY, USA, August 2014. ACM SIGCOMM, ACM. ISBN 978-1-4503-2836-4. doi: 10.1145/2630088.2630094. URL http://www.nicta.com.au/pub?id=7745.

[10] Nicolas Kuhn, Emmanuel Lochin, Ahlem Mifdaoui, Golam Sarwar, **Olivier Mehani**, and Roksana Boreli. DAPS: Intelligent delay-aware packet scheduling. In Kohei Shiomoto, Stefano Giordano, Wei Song, Abbas Jamalipour, Sanjay Jha, and Nei Kato, editors, *ICC 2014, IEEE International Conference on Communications*, pages 1228–1233, Los Alamitos, CA, USA, June 2014. IEEE. doi: 10.1109/ICC.2014.6883488. URL http://www.nicta.com.au/pub?id=7779.

[11] Guillaume Jourjon, **Olivier Mehani**, and Thierry Rakotoarivelo. Insights of file-sharing system forums. In Aniket Mahanti and Emir Halepovic, editors, *WNM 2013, 7th IEEE Workshop on Network Measurements (in conjunction with IEEE LCN 2013)*, pages 948–955, New York, NY, USA, October 2013. IEEE Computer Society, IEEE. URL http://www.nicta.com.au/pub?id=7123.

[12] Nicolas Kuhn, **Olivier Mehani**, Arjuna Sathiaseelan, and Emmanuel Lochin. Less-than-best-effort capacity sharing over high BDP networks with LEDBAT. In Onur Altintas, Falko Dressler, and Alex Wyglinski, editors, *VTC 2013-Fall, 78th Vehicular Technology Conference*, Los Alamitos, CA, USA, September 2013. IEEE Vehicular Technology Society, IEEE Computer Society. URL http://www.nicta.com.au/pub?id=6691.

[13] Golam Sarwar, **Olivier Mehani**, Roksana Boreli, and Mohamed Ali Kaafar. On the effectiveness of dynamic taint analysis for protecting against private information leaks on Android-based devices. In Pierangela Samarati, editor, *SECRYPT 2013, 10th International Conference on Security and Cryptography*, pages 461–467, Setubal, Portugal, July 2013. ACM SIGSAC, SciTePress. URL http://www.nicta.com.au/pub?id=6865.

[14] Xi Li, **Olivier Mehani**, Ramón Agüero, Umar Toseef, Yasir Zaki, and Carmelita Görg. Evaluating User-Centric multihomed flow management in Multi-User scenarios. In Periklis Chatzimisios, Tasos Dagiuklas, Jonathan Rodriguez, and Joerg Widmer, editors, *CONWIRE 2013, 3rd IEEE Workshop on Convergence among Heterogeneous Wireless Systems in Future Internet (co-located with WoWMoM 2013)*, Los Alamitos, CA, USA, June 2013. IEEE Computer Society, IEEE. ISBN 978-1-4673-5828-6/13. URL http://www.nicta.com.au/pub?id=6504.

[15] Nicolas Kuhn, **Olivier Mehani**, Huyen-Chi Bui, Jérôme Lacan, José Radzik, and Emmanuel Lochin. Physical channel access (PCA): Time and frequency access methods simulation in NS-2. In Marie-Josée Montpetit and Daniel Lucani, editors, *PSATS 2013, 5th International Conference on Personal Satellite Services*, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering. EAI, ICST, Springer-Verlag Berlin, June 2013. URL http://www.nicta.com.au/pub?id=6673.

[16] Yan Shvartzshnaider, Maximilian Ott, **Olivier Mehani**, Guillaume Jourjon, Thierry Rakotoarivelo, and David Levy. Into the Moana — hypergraph-based network layer indirection. In Marcelo Bagnulo and Rod Van Meter, editors, *GI 2013, 16th IEEE International Global Internet Symposium, co-located with INFOCOM 2013*, Los Alamitos, CA, USA, April 2013. IEEE Communications Society, IEEE. URL http://www.nicta.com.au/pub?id=6554.

[17] Luis Diez, **Olivier Mehani**, Lucian Suciu, and Ramón Agüero. Design and implementation of the open connectivity services framework. In Andreas Timm-Giel, John Strassner, Ramón Agüero, Susana Sargento, Kostas Pentikousis, Lucio S. Ferreira, and Lucian Suciu, editors, *MONAMI 2012, 4th International Conference on Mobile Networks and Management, OConS workshop*, number 58 in Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, pages 1–12, Heidelberg, Germany, 2013. TUHH, EAI, ICST, Springer-Verlag Berlin. URL http://www.nicta.com.au/pub?id=6123.

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[19] **Olivier Mehani**, Roksana Boreli, Michael Maher, and Thierry Ernst. User- and application-centric multihomed flow management. In Tom Pfeifer and Anura Jayasumana, editors, *LCN*

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Technical Standards

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[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.

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Supervised Work

[1] Dario Banfi. Endpoint-transparent multipath in software defined networks. Master's thesis, Technische Universität München, Munich, Germany, January 2016. URL https://www.nicta.com.au/pub?id=9163.

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Other Material

[1] **Olivier Mehani**, Roksana Boreli, Guillaume Jourjon, and Thierry Ernst. Rate control adaptation for heterogeneous handovers. Technical Report 6163, NICTA, Eveleigh, NSW, Australia, November 2012. URL http://www.nicta.com.au/pub?id=6163.

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