

Publications of the Author

Tomáš Čejka, 25th May 2018

Reviewed Relevant Publications of the Author

- [P.1] T. Čejka, M. Zadnik *Preserving relations in parallel flow data processing* 11th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2017, Zurich, Switzerland, 2017.
- [P.2] T. Janský, T. Čejka, V. Bartoš *Hunting SIP Authentication Attacks Efficiently* 11th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2017, Zurich, Switzerland, 2017.
- [P.3] M. Švepeš, T. Čejka *Making flow data analysis parallel* 11th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2017, Zurich, Switzerland, 2017.
- [P.4] T. Čejka, V. Bartoš, M. Svepes, Z. Rosa, H. Kubatova *NEMEA: A Framework for Network Traffic Analysis* 12th International Conference on Network and Service Management (CNSM 2016), Montreal, Canada 2016.
- [P.5] Z. Rosa, T. Čejka, M. Zadnik, V. Puš *Building a Feedback Loop to Capture Evidence of Network Incidents* 12th International Conference on Network and Service Management (CNSM 2016), Montreal, Canada 2016.
- [P.6] T. Čejka, M. Svepes *Analysis of Vertical Scans Discovered by Naive Detection* Management and Security in the Age of Hyperconnectivity: 10th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2016, Munich, Germany, 2016.
- [P.7] T. Čejka, V. Bartoš, L. Truxa, and H. Kubatova *Using Application-Aware Flow Monitoring for SIP Fraud Detection* Intelligent Mechanisms for Network Configuration and Security: 9th IFIP WG 6.6 International Conference on Autonomous Infrastructure, Management, and Security, AIMS 2015, S. Latré, M. Charalambides, J. François, C. Schmitt, and B. Stiller, Eds. Ghent, Belgium: Springer International Publishing 2015.
- [P.8] T. Čejka, Z. Rosa, H. Kubatova *Stream-wise Detection of Surreptitious Traffic over DNS* 19th IEEE International Workshop on Computer Aided Modeling and Design

of Communication Links and Networks (IEEE CAMAD 2014), Athens, Greece 2014.

The paper has been cited in:

- Nuojua, V., David, G., Hämäläinen, T.: *DNS tunneling detection techniques – Classification, and theoretical comparison in case of a real APT campaign*. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 10531 LNCS, pp. 280-291, 2017. DOI: 10.1007/978-3-319-67380-6_26

- [P.9] P. Benacek, R. B. Blazek, T. Cejka, H. Kubatova *Change-Point Detection Method on 100 Gb/s Ethernet Interface* Proceedings of the Tenth ACM/IEEE Symposium on Architectures for Networking and Communications Systems, New York, USA 2014.

The paper has been cited in:

- Nakamura, K., Hayashi, A., Matsutani, H.: *An FPGA-based low-latency network processing for spark streaming*. In Proceedings of the IEEE International Conference on Big Data, Big Data 2016, art. no. 7840876, pp. 2410-2415, 2016. DOI: 10.1109/BigData.2016.7840876

- [P.10] T. Cejka, L. Kekely, P. Benacek, R. B. Blazek, H. Kubatova *FPGA Accelerated Change-Point Detection Method for 100Gb/s Networks* MEMICS proceedings, 9th Doctoral Workshop on Mathematical and Engineering Methods in Computer Science (MEMICS 2014), Telč, Czech Republic 2014.

- [P.11] P. Benáček, V. Puš, H. Kubátová, T. Čejka *P4-To-VHDL: Automatic generation of high-speed input and output network blocks*, Microprocessors and Microsystems, Vol. 56, Elsevier, pp. 22–33, 2018.

The paper has been cited in:

- Garcia, Luis Fernando Uria, et al.: *Introdução à Linguagem P4-Teoria e Prática*. Minicursos do Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos (Minicursos_SBRC) 36 (2018).

Other relevant publications

- [P.12] T. Čejka and R. Krejčí *Configuration of open vSwitch using OF-CONFIG* IEEE/IFIP Network Operations and Management Symposium, Istanbul, Turkey, 2016.

The paper has been cited in:

- P. Bellavista, et al. *Multi-domain SDN controller federation in hybrid FiWi-MANET networks*, EURASIP Journal on Wireless Communications and Networking 2018.1 (2018).
 - P. Jha, and B. Tech. *End-to-End Quality-of-Service in Software Defined Networking*, 2017.
- [P.13] T. Čejka and A. Robledo *Detecting Spoofed Time in NTP Traffic* The 4th Prague Embedded Systems Workshop, Roztoky u Prahy, Czech Republic, 2016.
- [P.14] M. Svepes and T. Čejka *Overload-resistant Network Traffic Analysis* The 4th Prague Embedded Systems Workshop, Roztoky u Prahy, Czech Republic 2016.
- [P.15] T. Čejka, R. Bodó, and H. Kubátová *Nemea: Searching for Botnet Footprints* The 3th Prague Embedded Systems Workshop, Roztoky u Prahy, Czech Republic 2015.
- [P.16] V. Bartoš, M. Žádník, T. Čejka *Nemea: Framework for stream-wise analysis of network traffic* CESNET Technical Report 2013.

The paper has been cited in:

- Y.K. Lai, T. Wellem, H.P. You. *Hardware-assisted estimation of entropy norm for high-speed network traffic*, Electronics Letters, 2014.
- [P.17] T. Čejka *Hardware Accelerated Anomaly Detection in Computer Networks*, A Doctoral Study Report submitted to the Faculty of Information Technology, Czech Technical University in Prague Prague, December 2014.
- [P.18] T. Čejka, R. B. Blazek *Real-time Detection of Anomalies in High-speed Computer Networks* The 1st Embedded Systems Workshop - ESW 2013, Temešvár, Czech Republic 2013.
- [P.19] T. Čejka *Systém pro detekci anomálií v počítačových sítích* Počítačové architektury a diagnostika - PAD 2013, Teplá, Česká republika 2013.
- [P.20] T. Čejka *Hardwarově akcelerovaná detekce anomálií v počítačových sítích s využitím FPGA* Počítačové architektury a diagnostika - PAD 2012, Milovy, Česká republika 2012.