

Curriculum Vitæ

Mehmet Tahir SANDIKKAYA

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Career Highlights

Dr. Mehmet Tahir Sandikkaya received his BS degree in Electrical Engineering from Istanbul Technical University in 2002, his MS degree in 2005 and his PhD in 2015 in Computer Science from Informatics Institute of the same university. He contributed research efforts on several projects at Katholieke Universiteit Leuven Technologicampus Gent in Belgium from 2008 to 2010. From 2002 to 2016, he served as a research assistant in Istanbul Technical University. Currently, he holds an Assistant Professorship position in Computer Engineering Department of Istanbul Technical University. His research areas cover computer security, privacy, electronic voting systems, computer networks and electronic health systems. His recent activities focus on cloud computing security, security protocols and IoT security.

Academic Experience

Visiting Researcher Grenoble Institute of Technology, 2018–2019

Assistant Professor Istanbul Technical University, 2018–

Lecturer Istanbul Technical University, 2016–2018

Research & Teaching Assistant Istanbul Technical University, 2010–2016

Researcher Katholieke Universiteit Leuven Technologicampus Gent, 2008–2010

Research & Teaching Assistant Istanbul Technical University, 2002–2008

Education

Philosophiæ Doctor Computer Science, Istanbul Technical University, 2015

Master of Science Computer Science, Istanbul Technical University, 2005

Bachelor of Science Electrical Engineering, Istanbul Technical University, 2002

Publications

[2019] Emir Erdem and Mehmet Tahir Sandikkaya. OTPaaS —One Time Password as a Service. *IEEE Transactions on Information Forensics and Security*, 14(3):743–756, March 2019. ISSN 1556-6013. doi: 10.1109/TIFS.2018.2866025. URL <https://doi.org/10.1109/TIFS.2018.2866025>

- [2018] Cemile Diler Özdemir, Mehmet Tahir Sandıkkaya, and Yusuf Yaslan. Classifying Malicious Thread Behavior in PaaS Web Services. In *Proceedings of the 8th International Conference on Cloud Computing and Services Science (CLOSER)*, volume 1, pages 418–425. Funchal, Madeira, Portugal, 19 Mar. 2018 – 21 Mar. 2018, SciTePress, March 2018. ISBN 978-989-758-295-0. doi: 10.5220/0006688204180425. URL <https://doi.org/10.5220/0006688204180425>
- [2017] Aşkın Okkalı and Mehmet Tahir Sandıkkaya. Preserving privacy using visual cryptography in surveillance systems. In *2017 International Conference on Computer Science and Engineering (UBMK)*, pages 1141–1144. Antalya, Turkey, 5 Oct. 2017 – 8 Oct. 2017, IEEE, October 2017. ISBN 978-1-5386-0931-6. doi: 10.1109/UBMK.2017.8093534. URL <https://doi.org/10.1109/UBMK.2017.8093534>
- [2016] Mehmet Tahir Sandıkkaya, Tolga Ovatman, and Ali Emre Harmancı. Design and formal verification of a cloud compliant secure logging mechanism. *IET Information Security*, 10(4):203–214, July 2016. ISSN 1751-8709. doi: 10.1049/iet-ifs.2014.0625. URL <https://doi.org/10.1049/iet-ifs.2014.0625>
- [2015] Mehmet Tahir Sandıkkaya. *Bilgiişlem Ortama Sunan Bulut için Güvenlik Düzenekleri*. PhD thesis, Istanbul Technical University, Istanbul, Turkey, 2015. URL http://www.sandikkaya.name.tr/pub/DrTez_SANDIKKAYA,MT_TR.pdf
- [2015] Mehmet Tahir Sandıkkaya and Ali Emre Harmancı. A Security Paradigm for PaaS Clouds. *Proceedings of the Romanian Academy Series A: Mathematics, Physics, Technical Sciences, Information Science*, 16(Special Issue: Cryptology):345–356, September 2015. ISSN 1454-9069. URL <http://www.academiaromana.ro/sectii2002/proceedings/doc2015-3s/10-Sandikkaya.pdf>
- [2014] Mehmet Tahir Sandıkkaya, Bahadır Ödevci, and Tolga Ovatman. Practical runtime security mechanisms for an aPaaS cloud. In *2014 IEEE Globecom Workshops*, pages 53–58. Austin, TX, USA, 08 Dec. 2014 – 12 Dec. 2014, IEEE, December 2014. ISBN 978-1-4799-7470-2. doi: 10.1109/GLOCOMW.2014.7063385. URL <https://doi.org/10.1109/GLOCOMW.2014.7063385>
- [2012] Mehmet Tahir Sandıkkaya and Ali Emre Harmancı. Security Problems of Platform-as-a-Service (PaaS) Clouds and Practical Solutions to the Problems. In *2012 IEEE 31st Symposium on Reliable Distributed Systems (SRDS)*, pages 463–468. Irvine, CA, USA, 08 Oct. 2012 – 11 Oct. 2012, IEEE, October 2012. ISBN 978-1-4673-2397-0. doi: 10.1109/SRDS.2012.84. URL <https://doi.org/10.1109/SRDS.2012.84>
- [2010] Mehmet Tahir Sandıkkaya, Bart De Decker, and Vincent Naessens. Privacy in Commercial Medical Storage Systems. In Martin Szomszor and Patty Kostkova, editors, *Electronic Healthcare (eHealth 2010)*, volume 69 of *Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST)*, pages 247–258. Casablanca, Morocco, 13 Dec. 2010 – 15 Dec. 2010,, Springer Berlin Heidelberg, December 2010. ISBN 978-3-642-23634-1. doi: 10.1007/978-3-642-23635-8_32. URL https://doi.org/10.1007/978-3-642-23635-8_32
- [2009] Mohamed Layouni, Kristof Verslype, Mehmet Tahir Sandıkkaya, Bart De Decker, and Hans Vangheluwe. Privacy-Preserving Telemonitoring for eHealth. In Ehud Gudes and Jaideep Vaidya, editors, *Data and Applications Security XXIII (DBSec 2009)*, volume 5645 of *Lecture Notes in Computer Science*, pages 95–110. 23rd Annual IFIP WG 11.3 Working Conference, Montreal, Canada, 12 Jul. 2009 – 15 Jul. 2009, Springer Berlin Heidelberg, July 2009. ISBN 978-3-642-03006-2. doi: 10.1007/978-3-642-03007-9_7. URL https://doi.org/10.1007/978-3-642-03007-9_7

- [2009] Vincent Naessens, Mehmet Tahir Sandikkaya, Jorn Lapon, Kristof Verslype, Pieter Verhaeghe, Girma Nigusse, and Bart De Decker. Privacy Policies, Tools and Mechanisms of the Future. In Jan Camenisch and Dogan Kesdogan, editors, *iNetSec 2009 – Open Research Problems in Network Security*, volume 309 of *IFIP Advances in Information and Communication Technology (IFIP AICT)*, pages 125–138. IFIP WG 11, Zurich, Switzerland, 23 Apr. 2009 – 24 Apr. 2009, Springer Berlin Heidelberg, April 2009. ISBN 978-3-642-05436-5. doi: 10.1007/978-3-642-05437-2_12. URL https://doi.org/10.1007/978-3-642-05437-2_12
- [2007] Burak Kantarcı, Mehmet Tahir Sandikkaya, Ayşegül Gençata, and Sema Oktuğ. Prudent Creditization Polling (PCP): A Novel Adaptive Polling Service for an EPON. In Ioannis Tomkos, Fabio Neri, Josep Solé Pareta, Xavier Masip Bruin, and Sergi Sánchez Lopez, editors, *Optical Network Design and Modeling (ONDM)*, volume 4534 of *Lecture Notes in Computer Science*, pages 388–397. Athens, Greece, 29 May 2007 - 31 May 2007, Springer Berlin Heidelberg, May 2007. ISBN 978-3-540-72729-3. doi: 10.1007/978-3-540-72731-6_42. URL https://doi.org/10.1007/978-3-540-72731-6_42
- [2006] Mehmet Tahir Sandikkaya and Mehmet Bülent Örencik. Agent-Based Offline Electronic Voting. In *30th Annual International Computer Software and Applications Conference (COMPSAC'06)*, volume 2, pages 333–340. Chicago, IL, USA., 17 Sep. 2006 - 21 Sep. 2006, IEEE, September 2006. ISBN 0-7695-2655-1. doi: 10.1109/COMPSAC.2006.107. URL <https://doi.org/10.1109/COMPSAC.2006.107>
- [2005] Mehmet Tahir Sandikkaya. Etmenlerle Elektronik Oylama. Master's thesis, Istanbul Technical University, Istanbul, Turkey, 2005. URL http://www.sandikkaya.name.tr/pub/YLTez_SANDIKKAYA,MT_TR.pdf