

SAID VARLIOGLU

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Positions

2021-2022 Incident Response Engineer, Trend Micro Inc, Dallas, TX
2021 Summer Adjunct Professor, School of IT, University of Cincinnati – Course: Network Monitoring
2020-2021 Cyber Security Analyst, Dallas College, Dallas, TX
2021 Spring Adjunct Professor, Homeland Security and Criminal Justice Dept. Sul Ross University, TX
2019-20 Teaching/Research Assistant, School of IT, University of Cincinnati
2017-19 Research Assistant, IACP, School of IT, University of Cincinnati
2017-20 Information Security Analyst, Peel9 Inc., Cincinnati, OH

Education

2019- Ph.D. Candidate, School of IT, University of Cincinnati,
2017-19 M.S., Information Technology, University of Cincinnati
2008-09 M.S. (Quit), International Security, Institute of Security Studies, Ankara, TR
2003-07 B.A., Criminal Justice, College of Security Studies, Ankara, TR

Areas of Interest

DFIR - Digital Forensics and Incident Response
Fileless Malware – Ransomware Incident Response and Threat Hunting
Cryptojacking Incident Response and Threat Hunting

Peer-Reviewed Publications

- 2022 [Challenges and Opportunities for Practical and Effective Dynamic Information Flow Tracking](#). ACM Comput. Surv. 55, 1, Article 17 (January 2023), 33 pages. DOI: <https://doi.org/10.1145/3483790>
Christopher Brant, Prakash Shrestha, Benjamin Mixon-Baca, Kejun Chen, Said Varlioglu, Nelly Elsayed, Yier Jin, Jedidiah Crandall, and Daniela Oliveira.
- 2021 “[Digital Forensics and Incident Response Challenges in IoT Platforms](#)” Cornelious Itodo, Said Varlioglu, Nelly Elsayed, 2021 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA
- 2021 “[A Framework for the Discipline of Information Technology](#)”, Hazem Said, Michael Zidar, Said Varlioglu, and Cornelius Itodo. In Proceedings of the 22st Annual Conference on Information Technology Education (SIGITE '21). Association for Computing Machinery, New York, NY, USA, 53–54. DOI: <https://doi.org/10.1145/3450329.3478313>
- 2021 “[A Text Mining Approach to Identify IT Research Analyzing the NSF Grants](#)”, **Said Varlioglu**, Hazem Said, Murat Ozer, Nelly Elsayed, 2021 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA
- 2020 “[Is Cryptojacking Dead after Coinhive Shutdown](#)” **Said Varlioglu**, Bilal Gonen, Murat Ozer and M. Bastug, "Is Cryptojacking Dead After Coinhive Shutdown?," 2020 3rd International Conference on Information and Computer Technologies (ICICT), San Jose, CA, USA, 2020, pp. 385-389, doi: 10.1109/ICICT50521.2020.00068, <https://arxiv.org/pdf/2001.02975.pdf>

- 2020 “[Cloud Incident Response: Challenges and Opportunities](#)” Murat Ozer, **Said Varlioglu**, Bilal Gonen, Victor Adewopo, Nelly Elsayed, Selcuk Zengin, 2020 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA,
- 2020 “[Creating A Real-Time Geocoding System: Implications of Open Source for the Public Safety](#)” Murat Ozer, Michael Zidar, Rustu Deryol, **Said Varlioglu**, 2020 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA,
- 2020 “[A Rule-Based Model for Victim Prediction](#)”, Murat Ozer, Nelly Elsayed, **Said Varlioglu**, Chengcheng Li, Niyazi Ekici - (2020). International Journal of Law, Crime and Justice, 63, 100440.
- 2020 “[Explaining the Relationship between Internet and Democracy via Machine Learning](#)” Mustafa Sagir, **Said Varlioglu**, Apr 14, 2020, IT Expo Research Symposium, Uni. of Cincinnati, <https://itexpo20.live/research/14>, <https://arxiv.org/pdf/2004.05285.pdf>
- 2020 “[The Rise of Ransomware in Local Governments, A Case Study of Twenty Victim Governments](#)”, Nesibe Karatas, **Said Varlioglu**, Nelly Elsayed, Mar 2020, Ohio Academy of Science – Cleveland State University, OH, USA, DOI: <http://dx.doi.org/10.18061/ojs.v120i1.7574>
- 2020 “[A Case Study of a New Cybercrime: Cryptojacking](#)”, **Said Varlioglu** & Murat Ozer & Nelly Elsayed, Mar 2020, Ohio Academy of Science – Cleveland State University, OH, USA, DOI: <http://dx.doi.org/10.18061/ojs.v120i1.7574>
- 2020 “[Public Key Cryptosystems Based on Lower Triangular Matrices](#)”, Zekeriya Karatas & Bilal Gonen & **Said Varlioglu**, Mar, 2020, The Ohio Journal of Science, Volume 120, No. 1. (2020), DOI: <http://dx.doi.org/10.18061/ojs.v120i1.7574>
- 2019 “[A Prevention and a Tracking System for Ransomware Attacks](#)” M. Ozer, **Said Varlioglu**, B. Gonen and M. Bastug, "A Prevention and a Traction System for Ransomware Attacks," 2019 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2019, pp. 150-154, doi: 10.1109/CSCI49370.2019.00032. <https://arxiv.org/pdf/2001.02282.pdf>
- 2019 “[Plunge into the Underworld: A Survey on Emergence of Darknet](#)”, Victor Adewopo, Bilal Gonen, **Said Varlioglu** and Murat Ozer, "Plunge into the Underworld: A Survey on Emergence of Darknet," 2019 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2019, pp. 155-159, doi: 10.1109/CSCI49370.2019.00033. <https://arxiv.org/pdf/2001.02300.pdf>
- 2019 “[Predicting Crime Locations using Data Analytics](#)” Said Varlioglu, **Murat Ozer**, Apr 14, 2020, IT Expo Research Symposium, University of Cincinnati

Awards

- 2020 “**Honorable Mention**”, \$500, 2020 IT Expo Research Symposium, Cincinnati, for “[Explaining the Relationship between Internet and Democracy using Machine Learning Models](#)”, Apr 15, 2020, <https://arxiv.org/pdf/2004.05285.pdf>
- 2019 “**Best Research Award**”, \$1,000, 2019 IT Expo Research Symposium, Cincinnati, “[Predicting Crime Locations using Data Analytics](#)”, Apr 14, 2019

Teaching & Training Experience

- 2021 Spring “**Advanced Cybercrime Investigations**” for Undergraduate students. Homeland Security and Criminal Justice Dept. Sul Ross University, TX
- 2021 Spring “**Python Object-Oriented Programming**” for Undergraduate students. Computer Science Dept. Sul Ross University, TX

2020 Fall	“ Principles of Cybersecurity ”. Delivered “Principle of Cybersecurity Course” for Master’s students. School of Information Technology, University of Cincinnati.
2019 Fall	“ Principles of Cybersecurity ”. Delivered “Principle of Cybersecurity Course” for Master’s students. School of Information Technology, University of Cincinnati.
2014 (Training)	Open-Source Investigations (OSINT) (8 hours)
2014 (Training)	Email Forensics Course (8 hours)
2013 (Training)	Fundamentals of Network (16 hours)
2012 (Training)	IBM i2 Analyst’s Notebook/Ibase (16 hours)
2012 (Training)	MS Excel (12 hours)

Analytic Skills/Tools

Security	: G Suite Security, Office365 ATP, PaloAlto Networks, Carbonblack, QRadar, Nessus
Forensics	: NUIX, FTK, EnCase, Cellebrite,
Data	: Stata, SPSS, Excel, Access, ArcGIS, Numpy, Pandas, Scikit-Learn, LaTeX
Frameworks	: ISO 27002, NIST 800-53/61, FIPS, CJIS
Programming	: Python scripting, HTML, CSS, JavaScript, MySQL

Certifications

2020	Nuix Workstation Forensic Practitioner Windows Artifacts Certification v.8.4
2020	Nuix Workstation Forensic Practitioner Core
2020	Nuix Workstation Forensic Practitioner Foundations
2019	CJIS (Criminal Justice Information Systems) Level 4 Security Training
2018	ArcGIS
2011	OSINT Metadata Analytics
2011	IBM i2 Analyst’s Notebook/Ibase
2011	Microsoft Operating Systems and Office Applications