

Abdulhadi Sahin

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RESEARCH INTERESTS	Machine Learning; Deep Learning; Blockchain/Web3; Quantitative Research Methods; International Political Economy; Economic development; Democratization	
EDUCATION	<p>Florida International University, Miami, FL, USA</p> <p>M.S., Computer Engineering , Spring 2023</p> <p>Washington University in St. Louis, St. Louis, MO, USA</p> <p>Ph.D., Political Science, Aug 2014</p> <p>Thesis Topic: <i>The Effect of the IMF forecasts on Investors and Governments</i></p> <p>Committee: Nathan Jensen (Co-Chair), Andrew Sobel (Co-Chair), Guillermo Rosas, Matthew Gabel, Dawn Brancati, Gaetano Antinolfi</p> <p>Washington University in St. Louis, St. Louis, MO, USA</p> <p>A.M., Political Science, Spring 2012</p> <p>Texas Tech University, Lubbock, TX, USA</p> <p>PhD Studies, Political Science, 2006-2008</p> <p>Bogazici University, Istanbul, Turkey</p> <p>B.S & M.S., Teaching Physics, Aug 2004</p>	
EMPLOYMENT	<p>Florida International University, Florida, USA</p> <p>Graduate Research Assistant, Jan 2022–present</p> <p>Sahince Automotive, Bursa, Turkey</p> <p>Data Analysts, Sep 2018–June 2020</p> <p>Deputy Production Manager, June 2020–April 2021</p> <p>TOBB University of Economics and Technology, Ankara, Turkey</p> <p>Assistant Professor of Political Science, Jan 2015–Aug 2016</p> <p>Washington University in St. Louis, St. Louis, MO, USA</p> <p>Graduate Research Assistant, Sep 2008–May 2013</p>	

PUBLICATIONS

S. Skelaney, H. Sahin, K. Akkaya, and S. Ganapati, “Government Applications and Standards to Use Blockchain”, in *Blockchain and its Applications in Industry 4.0*, S. Namasudra and K. Akkaya Eds, Springer Nature, Singapore, 2022

A. Bhattarai, M. Veksler, H. Sahin, A. Kurt, and K. Akkaya, “Crypto Wallet Artifact Detection on Android Devices using Advanced Machine Learning Techniques,” in the Proceedings of EAI International Conference on Digital Forensics & Cyber Crime, Boston, MA, Nov 16-18, 2022

H. Sahin, K. Akkaya, and S. Ganapati, “Optimal Incentive Mechanism for Fair and Equitable Rewards in PoS blockchains”, in the Proceedings of IEEE International Performance Computing and Communications Conference (IPCCC), Austin, TX, Nov 11-13, 2022

Jensen, Nathan M., Noel P. Johnston, Chia-yi Lee and Hadi Sahin. 2019. “Crisis and Contract Breach: The Domestic and International Determinants of Expropriation”. *The Review of International Organizations*.

WORKING PAPERS

“LNNMesh: Who Said You need Internet to send Bitcoin? Offline Lightning Network Payments using Community Wireless Mesh Networks” submitted to 24th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM),

“Standardization for Open Administrative Data” *Submitted to ASPA 2023 Annual Conference*

“Determinants of digital currency and blockchain legislation: An empirical examination of US States” *Submitted to MPSA 2023 Annual Conference*

“Using Machine Learning Algorithms in Public Policy and Administration” *prepared for submission to Journal of Public Affairs Education*

“Decentralization in Blockchain governance: Comparison of Algorand and Ethereum networks”

CONFERENCE PRESENTATIONS

H. Sahin, K. Akkaya, and S. Ganapati, “Optimal Incentive Mechanism for Fair and Equitable Rewards in PoS blockchains”, in the Proceedings of IEEE International Performance Computing and Communications Conference (IPCCC), Austin, TX, Nov 11-13, 2022

“Democracy as Private Property Rights?” *Presented at the Midwest Political Science Association Annual Meeting.*, April 2016, Chicago IL

“The Political Economy of Forecast Bias: International Organizations’ versus Private Analysts’ Forecasts” *poster presentation at American Political Science Association Annual Meeting.*, August 2014, Washington DC

“How Useful are the IMF Forecasts for Incumbent Governments?” *Presented at the American Political Science Association Annual Meeting*, August 2013, Chicago IL

	<p>Jensen, Nathan M., Noel P. Johnston, Chia-yi Lee and Abdulhadi Sahin. “Crisis and Contract Breach: The Domestic and International Determinants of Expropriation” <i>presented at the Annual Convention of the International Studies Association</i>, April 2013, San Francisco CA.</p> <p>“The effect of IMF Forecasts on Investors’ Behavior” <i>Presented at the Midwest Political Science Association Annual Meeting.</i>, April 2012, Chicago</p>
TEACHING EXPERIENCE	<p>TOBB University of Economics and Technology</p> <p>Introduction to Political Economy (Spring 2015 and 2016)</p> <p>Turkish Political Institutions (Spring 2015 and 2016)</p> <p>Introduction to Political Science (Winter, 2015)</p> <p>Quantitative Methods I (Summer, 2015)</p> <p>Quantitative Methods II (Fall, 2015)</p> <p>Washington University in St. Louis</p> <p>Primary Course Instructor, Spring 2013</p> <p>Topics in Politics: Middle East Politics</p> <p>Teaching Assistant, 2009-2013</p> <p>Israeli Politics and the Arab Spring</p> <p>International Politics</p> <p>Environmental and Energy Issues, Introduction to Environmental Policy</p> <p>Modern South Asian Politics</p> <p>Collection and Analysis of Qualitative Data</p> <p>Texas Tech University</p> <p>Teaching Assistant, 2006-2008</p> <p>American Government</p> <p>Advanced Quantitative Research Methods in Political Science</p>
COMPUTER SKILLS	<p>Web & App development, Data Analysis & Visualization, Model development, Machine Learning</p> <p>Programming languages: Python, JS, CSS</p> <p>Operating systems: Linux, Windows</p> <p>Databases: MySQL, SQLite3</p> <p>Frameworks: React, React-Native, Redux</p> <p>Statistical tools: R, Stata, MatLab</p> <p>Data visualization: Dash/Plotly, Microsoft PowerBI</p> <p>Knowledge in Machine Learning, Artificial Intelligence, and NLP tools</p>
PROJECTS	<p>Center for Advanced Research in Forensic Science (CARFS) Tracing Cryptocurrency Wallets, Sep-Dec 2022</p> <p>Image classification, information extraction and analyses. </p> <p>Lightning (LN) and Mesh Network Simulator, Sep-Dec 2022</p> <p>Designed a simulator for lightning and Mesh network. </p> <p>Mobile app for Workplace Safety and Health inspection, Jan-May 2020</p> <p>A web portal to catalog and manage production defects, Sep-Dec 2019</p>
CERTIFICATES	<p>Azure AI Fundamentals, Fall 2022</p>

REFERENCES

Kemal Akkaya

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Nathan M. Jensen

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Sukumar Ganapati

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