

Dr. Dimitrios Damopoulos

A : 3607 Walnut Forest Ln, Spring TX 77388, USA

A : Gkioli Mavrochoriou, Kastorias, 52056, Greece

E : didamop@gmail.com ; ddamop@aegean.gr

M : 5512482004 (US)

Personal Information

Date of birth: 8 January 1985
Place of birth: Frankfurt, Germany
Nationality: Greek
Visa Status: H-1B Visa Education (needs sponsor)

Professional Experience

October '19- May '22	Tenure Track Associate Professor <i>University of South Alabama School of Computing, Dept. of Computer Science, Mobile AL, USA</i>
October '17- August '19	Co-operative Education (Co-op) and Curricular Practical Training (CPT) CS Director <i>Stevens Institute of Technology Schaefer School of Engineering & Science, Dept. of Computer Science, Hoboken NJ, USA</i>
September '15- August '19	Teaching Assistant Professor <i>Stevens Institute of Technology Schaefer School of Engineering & Science, Dept. of Computer Science, Hoboken NJ, USA</i>
September '13- August '15	Postdoctoral Researcher: Laboratory for Secure Systems (LSS) <i>Stevens Institute of Technology Schaefer School of Engineering & Science, Dept. of Computer Science, Hoboken NJ, USA</i>

Education

September '10- June '13	PhD Security of Information and Communication Systems <i>Thesis: Design and development of an Anomaly Based Intrusion Detection and Reactive System for Mobile Devices</i> <i>University of the Aegean, Department of Information & Communication Systems Engineering Karlovassi, Greece</i>
October '08- March '10	MSc Technologies and Management of Information and Communication Systems <i>Program: Information & Communication Systems Security</i> <i>University of the Aegean, Department of Information & Communication Systems Engineering Karlovassi, Greece</i>

September '09 - February '10	Exchange Studies - Master Thesis Thesis: Anomaly-Based Intrusion Detection Systems for Mobile Devices University of Plymouth School of Computing & Mathematics United Kingdom
September '03 - May '08	B.Sc., Industrial Informatics (renamed to Computer and Informatics Engineering in 2013) Institute of Technology Kavala (renamed to Eastern Macedonia & Thrace (EMT) Institute of Technology in 2013) Kavala, Greece
September '07- April '08	Exchange Studies – Bachelor Thesis Thesis: Improving Cyber Security through Access Control Lists University of Applied Science Oldenburg/Ostfriesland/Wilhelmshaven (FH-OOW)

Teaching Experience

Fall(F), Spring(S), Summer(W)

2019 - 2021	University of South Alabama CSC 320 Computer Organization and Architect – S20, F20, S21, F21, S22 CSC 333 Programming Language Theory – F20, F21 CSC 485/585 Cyber-Physical Security – S20, S21, S22 CSC 494/594 Information Security Research & Education (INSuRE) – S20, F20, S21
2015 - 2019	Stevens Institute of Technology CS 105 Intro to Scientific Computing – F15, S16, F16, S17, F17, S18, F18, S19 CS 347 Software Development Process – S15, S16, S17, S18, S19 CS 383 Computer Organization – F15, S16, F16, F17, F18 CS 425 Cybersecurity Capstone I (INSuRE) – F17, F18 CS 426 Cybersecurity Capstone II (INSuRE) – S18, S19 CS 523 Programing the Internet of Things using iOS – S17, W17, W18, S19 CS 566 Smartphone and Mobile Security – W16, S17, W17, S18, W18 Pre-College Cybersecurity – W16, W17, W18

Funding & Research Projects

2022	2021 Renewal for USA Cyber Scholars Program Co-Principal Investigator – Area: Cybersecurity
2022	Counterfeit Chip Detection – COLSA Corporation Senior Researcher – Area: Cybersecurity, AI, Blockchain
2021 - 2022	Cloud Stack Analysis via Performance Metrics – (I/UCRC) – NSF/Cisco Co-Principal Investigator – Area: Cybersecurity, Machine and Deep Learning
2019 - 2021	Jaguar Project – Department of Interior Senior Researcher / Product Manager - Area: Machine, Deep, and Transfer Learning
2020	Ethics in Cybersecurity – Department of Defense Co-Principal Investigator – Area: Cybersecurity, Education
2020	Establishing interdisciplinary research through INSuRE at University of South Alabama – National Science Foundation (NSF) Principal Investigator – Area: Cybersecurity, Education

Books/Editor/Reviewer

- 2022 ***JISA-CYBER-SEC 2020: Special Issue on Trends in Cybersecurity***
 Publisher: Journal of Information Security and Applications, Elsevier
 Editors : Georgios Kambourakis, Weizhi Meng, Dimitrios Damopoulos, Susanne, Wetzel, Wenjuan Li
- 2021 ***Secure and Trustworthy Cyberspace (SaTC), Reviewer***
 National Science Foundation (NSF)
- 2017 ***Intrusion Detection and Prevention for Mobile Ecosystems***
 Publisher: CRC Press
 Editors: George Kambourakis Asaf Shabtai, Konstantinos Kolias, Dimitrios Damopoulos,
 Series in Security, Privacy and Trust

Awards

- 2021 ***Second Place at the DoraHacks Hack Austin USA: Web3 Blockchain Hackathon***
 Representing the *University of South Alabama*
- 2018 ***Faculty Appreciation Award - For saving a student's life***
 Stevens Institute of Technology
 Schaefer School of Engineering & Science
 Hoboken NJ, USA

Publications
Peer Review Conference Papers

- 2022 **Decentralized Intrusion Detection System based on Smart Contracts (*pending*)**
 H. Roberts, J. Hardy, D. Damopoulos
- 2022 **Vulnerability Analysis for DeFi (*pending*)**
 J. Stephens, M. Magallon, J. Turner, N. Morgan, P. Lynn, E. Edmond, D. Damopoulos
- 2022 **Viability Assessment of Decentralized Autonomous Organizations and Supervisory Control and Data Acquisition on Public Blockchain Networks (*pending*)**
 A. Ashraf, L. Madison, C. Studdard, J. Slade, J. Tackett, R. Quesada, D. Damopoulos
- 2022 **Bias in Machine Learning: A study based on public datasets (*pending*)**
 J. Frisch, H.y Ravine, C. Jones, D. Damopoulos
- 2022 **Introduction to Adversarial Attacks on Deep Learning Models (*pending*)**
 A. Fonseca, J. Hollingsworth, K. Luchowa, D. Damopoulos
- 2022 **Adversarial Attacks in Machine Learning: Poisoning Models with Malicious Data (*pending*)**
 B. Bivins, S. Mota, S. Phaxay, D. Damopoulos
- 2022 **Chain of Trust in Pipelines (*under review*)**
 Caelan Livingston, Dylan Lawson, Steven Briggs, Mohammed Ibrahim, D. Damopoulos

- 2022 **Decentralized SCADA and Autonomous Organizations** (*pending*)
R. Green, Michael Black, D. Damopoulos
- 2021 **Machine Learning Classification of Obfuscation using Image Visualization**
C. Parker, J. T. McDonald, D. Damopoulos
In Proceedings of the 18th International Conference on Security and Cryptography
- 2019 **Introducing Research into the Undergraduate Curriculum in Cybersecurity**
S. Wetzel, D. Damopoulos
In Proceedings of the WICE Conference 2019
- 2016 **Location-enhanced Authentication using the IoT**
I. Agadakis, P. Hallgren, D. Damopoulos, A. Sabelfeld, and G. Portokalidis
In Proceedings of the Annual Computer Security Applications Conference (ACSAC)
- 2016 **Europe in the shadow of financial crisis: Policy Making via Stance Classification**
L. Spiliotopoulou, D. Damopoulos, Y. Charalabidis, M. Maragoudakis, S. Gritzalis
In Proceedings of the Hawaii International Conference on System Sciences (HICSS)
- 2015 **WYSISNWIV: What You Scan Is Not What I Visit**
Q. Yang, D. Damopoulos, G. Portokalidis
International Symposium on Recent Advances in Intrusion Detection (RAID), November 2015, Kyoto, Japan
- 2014 **A cloud-based architecture to crowdsource mobile app privacy leaks.**
D. Papamartzivanos, D. Damopoulos, G. Kambourakis
The 18th Panhellenic Conference on Informatics (PCI 2014), Security & Privacy Issues in the Cloud, October 2014, Greece, ACM Press
- 2014 **The Best of Both Worlds. A Framework for the Synergistic Operation of Host and Cloud Anomaly-based IDS for Smartphones**
D. Damopoulos, G. Kambourakis, G. Portokalidis
The 7th European Workshop on Systems Security (EuroSec), April 2014, Amsterdam, The Netherlands, ACM Press
- 2013 **A competent post-authentication and non-repudiation biometric-based scheme for m-Learning.**
G. Kambourakis, D. Damopoulos
The 10th IASTED International Conference on Web-based Education (WBE 2013). Innsburg, Austria, 2013, ACTA Press
- 2012 **Lifting the veil on mobile malware: A complete dynamic solution for iOS.**
D. Damopoulos, G. Kambourakis, S. Gritzalis, S. O. Park
Advances in Cryptography, Security and Applications for Future Computing (ACSA-Summer), Vancouver, Canada, 2012, FTRA
- 2012 **User-privacy and modern smartphones: A Siri(ous) dilemma**
D. Damopoulos, G. Kambourakis, M. Anagnostopoulos, S. Gritzalis, J. H. Park,
FTRA AIM 2012 International Conference on Advanced IT, Engineering and Management, Seoul, 2012, FTRA
- 2011 **iSAM: An iPhone Stealth Airborne Malware**
D. Damopoulos, G. Kambourakis, S. Gritzalis
26th IFIP SEC 2011, Lucerne, Switzerland, 2011, Springer

- 2022 **Chain of Trust in Cyber-Physical Data Pipelines** (*pending*)
N. R. Pendli, R. Benton, G. Kambourakis, D. Damopoulos
- 2022 **Convergence of Artificial Intelligence and Blockchain Technology: Characteristics, Applications, and Challenge and Open Issue Research: A Survey** (*pending*)
A. Segev, R. Benton, D. Damopoulos
- 2022 **Digital Direct Democracy in European Union: Towards a Policy Making Framework via Stance Classification Analysis** (*pending*)
L. Spiliotopoulou, D. Damopoulos, Y. Charalabidis, S. Gritzalis
- 2019 **Hands-Free One-Time and Continuous Authentication Using Glass Wearable Devices**
D. Damopoulos, G. Kambourakis
Journal of Information Security and Applications
- 2015 **Let's Meet! A participatory-based discovery and rendezvous mobile marketing framework**
L. Ntalkos, G. Kambourakis, D. Damopoulos
Telematics and Informatics, 2015, Elsevier
- 2014 **Introducing Touchstroke: Keystroke-based Authentication System for Smartphones.**
G. Kambourakis, D. Damopoulos, D. Papamartzivanos, M. Pavlidakis
Security and Communication Networks, 2014, Wiley
- 2013 **A critical review of 7 years of Mobile Device Forensics.**
K. Barbatsalou, D. Damopoulos, G. Kambourakis, V. Katos
Digital Investigation, 2013, Elsevier
- 2013 **From Keyloggers to Touchloggers: Take the Rough with the Smooth.**
D. Damopoulos, G. Kambourakis, S. Gritzalis
Computer & Security, 2013, Elsevier
- 2012 **Exposing mobile malware from the inside (or that is your mobile app really doing?)**
D. Damopoulos, G. Kambourakis, S. Gritzalis, S. O. Park
Peer-to Peer Networking and Applications, 2012, Springer
- 2012 **User privacy and modern mobile services: Are they on the same path?**
D. Damopoulos, G. Kambourakis, M. Anagnostopoulos, S. Gritzalis, J. H. Park
Personal and Ubiquitous Computing, 2012, Springer
- 2012 **MILC: A Secure and Privacy-Preserving Mobile Instant Locator with Chatting.**
A. Loukas, D. Damopoulos, S.A. Menesidou, M.E. Skarkala, G. Kambourakis, S. Gritzalis
Information System Frontiers, 2012, Springer
- 2011 **Evaluation of Anomaly-Based IDS for Mobile Devices Using Machine Learning Classifiers.**
D. Damopoulos, S. A. Menesidou, G. Kambourakis, M. Papadaki, N. Clarke, S. Gritzalis,
Security and Communication Networks, 2011, Wiley

Mentoring Students

PhD Students

2022 - present

Pawan Karki (PhD Advisor/Committee)

PhD Thesis: Evaluation of Machine learning based malware detection/intrusion detection mechanisms in hardware-based environment.

University of South Alabama

School of Computing, Dept. of Computer Science,

Mobile AI, USA

2020 - present

Naveen Reddy Pendli (PhD Advisor/Committee)

PhD Thesis: Secure and Private Federated Blockchain Architectures in E-Governance Systems

University of South Alabama

School of Computing, Dept. of Computer Science,

Mobile AI, USA

2019

Dr. Lefkothea Spiliotopoulou (PhD Committee)

University of the Aegean,

Department of Information & Communication Systems Engineering

Karlovassi, Greece

Graduate Thesis

2015

Qilang Yang

Stevens Institute of Technology

Schaefer School of Engineering & Science, Dept. of Computer Science,

Hoboken NJ, USA

Undergraduate Thesis

2017

Christopher Kelley

Senior Thesis: Polarity analysis as a service

Stevens Institute of Technology

Schaefer School of Engineering & Science, Dept. of Computer Science,

Hoboken NJ, USA

Student Clubs

2019 - 2022

DayZero at *University of South Alabama*

2021 - 2022

Graduate Student Association at *University of South Alabama*

Foreign Languages

2017

German Advanced Certificate

University Oldenburg/Ostfriesland/Wilhelmshaven (FH-OOW)

2002

German Certificate

Goethe Institute

2001

Certificate of Competency in English

University of Michigan English Language Institute