IRAKLIS TSEKOURAKIS

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ PhD in Computer Science	*2016*
Stevens Institute of Technology, Hoboken, NJ Certificate, Teaching at the College Level	*2016*
Stevens Institute of Technology, Hoboken, NJ MSc in Computer Science	*2014*
Aristotle University of Thessaloniki, Greece Diploma in Electrical and Computer Engineering	*2010*

RESEARCH INTERESTS

Computer Vision

Dynamic 3D reconstruction

PROFESSIONAL EXPERIENCE

Northeastern University — Aug. 2023 - present
Associate Teaching Professor — *Boston, MA*
· Khoury College of Computer Sciences

Brandeis University — July 2020 - June 2023
Associate Teaching Professor — *Waltham, MA*
· Liaison to Industry for Job Placement & Internship Opportunities
· CPT program coordinator
· Director of Graduate Studies (Nov. 2021 - June 2023)

Stevens Institute of Technology — Aug. 2016 - June 2020
Assistant Teaching Professor — *Hoboken, NJ*
· Director of Co-op and CPT Programs (Jan. 2017 - Aug. 2017 & Aug. 2019 - June 2020)
· Associate Chair for Graduates Studies in Computer Science (Aug. 2017 - June 2020)

Stevens Institute of Technology — Sep. 2012 - July 2016
Computer Vision Research Assistant — *Hoboken, NJ*
· Funded by NSF Award - Uncertainty-driven Dynamic 3D reconstruction

Information Technologies Institute, CERTH, Hellas — July 2011 - June 2012
Research Assistant — *Thessaloniki, Greece*

· EU FP7 Collaborative Project SAVE ME: System and Actions for VEhilcles and transportation hubs to support disaster Mitigation and Evacuation

TEACHING EXPERIENCE

Northeastern University

CS 5800: Algorithms	*F'23*

Brandeis University

COSI 10a: Introduction to Problem Solving in Python	*F'20, F'21, S'22, Su'22*
COSI 12b: Advance Programming Techniques in Java	*S'21, F'21, F'22, S'23*
COSI 21a: Data Structures and the Fundamentals of Computing	*F'22, S'23*
COSI 131a: Operating Systems	*Su'20, F'20, S'21, S'22*

Stevens Institute of Technology

CS 570: Data Structures	*S'19, F'19, S'20*
CS 590: Algorithms	*F'18, S'19, F'19, S'20*
CS Pre-College Intensive Course: Introduction to Machine Learning	*Su'17*
CS 492: Operating Systems	*S'17, S'18*
CS 146: Introduction to Web Programming & Project Development	*F'16, F'17, F'18*
CS Pre-College Intensive Course: Image Processing	*Su'16, Su'17*

PUBLICATIONS

- Iraklis Tsekourakis, Philippos Mordohai
  Measuring the Effects of Temporal Coherence in Depth Estimation for Dynamic Scenes
  The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2019

- Iraklis Tsekourakis, Philippos Mordohai
  A Comparison of Scene Flow Estimation Paradigms
  Representation, analysis and recognition of shape and motion from Image data, 2017

- Iraklis Tsekourakis, Philippos Mordohai
  Consistent 3D Background Model Estimation from Multi-Viewpoint Videos
  International Conference on 3D Vision, 2015

- Iraklis Tsekourakis, Christos Orlis, Dimosthenis Ioannidis, Dimitrios Tzovaras
  The SAVE ME project real-time disaster mitigation and evacuation management system
  7th IET International Conference on System Safety, incorporating the Cyber Security Conference 2012

- Iraklis Tsekourakis, Christos Orlis, Dimosthenis Ioannidis, Dimitrios Tzovaras
  A Decision Support System for Real-Time Evacuation Management and Rescue Team Planning during Hazardous Events in Public Infrastructures
  13th International Conference on Transport Systems Telematics, TST 2012

- Iraklis Tsekourakis, Andreas L. Symeonidis
  Dealing with Trust and Reputation in Unreliable Multi-agent Trading Environments
  The 2011 Workshop on Trading Agent Design and Analysis, TADA 2011, held with the 22nd International Joint Conference On Artificial Intelligence, IJCAI 2011

TECHNICAL SKILLS

Programming Languages	C, C++, Java, MATLAB, JavaScript, Python
Web	HTML5, CSS3
Frameworks & APIs	OpenCV, CUDA, OpenCL
Development Environments	Sublime Text, Eclipse, Xcode
Operating Systems	Linux, MacOS, Windows
Other Tools	Git, LaTeX

LANGUAGES

English (fluent), Greek (native)

AWARDS

- Faculty Service Award. Stevens Institute of Technology, 2018.

- Gerondelis Graduate Scholarship. Gerondelis Foundation, Inc. 2014.

- "A Modern Greece" Contest Award (1 of 5). Greek Economic Forum, 2015.