IRAKLIS TSEKOURAKIS

Associate Professor ◇ URL: tsekourakis.github.io

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ   *August 2016*
PhD in Computer Science
Thesis Title: Dynamic 3-D reconstruction
Advisor: Philippos Mordohai

Overall GPA: 3.9/4.00

Stevens Institute of Technology, Hoboken, NJ   *May 2016*
Certificate, Teaching at the College Level

Stevens Institute of Technology, Hoboken, NJ   *May 2014*
MSc in Computer Science

Overall GPA: 3.9/4.00

Aristotle University of Thessaloniki, Greece   *March 2010*
Diploma in Electrical and Computer Engineering
Computer and Electronics Specialization
Thesis Title: Dealing with Trust and Reputation in Unreliable Multi-agent Trading Environments

Overall GPA: 7.23/10

RESEARCH INTERESTS

Computer Vision

Dynamic 3D reconstruction

PROFESSIONAL EXPERIENCE

Brandeis University   July 2020 - Present
Associate Professor   *Waltham, MA*

· Michtom School of Computer Science
· Liaison to Industry for Job Placement & Internship Opportunities

Stevens Institute of Technology   August 2016 - June 2020
Assistant Teaching Professor   *Hoboken, NJ*

· Director of Masters Co-op and CPT Programs in Computer Science (January 2017 - August 2017)
· Associate Chair for Graduates Studies in Computer Science (August 2017 - June 2020)
· Director of Masters Co-op and CPT Programs in Computer Science (August 2019 - June 2020)

Stevens Institute of Technology   September 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

Brandeis University

COSI 131a: Operating Systems   *Summer 2020, Fall 2020*

COSI 10a: Introduction to Problem Solving in Python   *Fall 2020*

Stevens Institute of Technology

CS 570: Data Structures   *Spring 2019 & 2020, Fall 2019*

CS 590: Algorithms   *Fall 2018 & 2019, Spring 2019 & 2020*

CS Pre-College Intensive Course: Introduction to Machine Learning   *Summer 2017*

CS 492: Operating Systems   *Spring 2017 & 2018*

CS 146: Introduction to Web Programming & Project Development   *Fall 2016, 2017 & 2018*

CS Pre-College Intensive Course: Image Processing   *Summer 2016 & 2017*

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

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

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