

ANDREAS SOCHOPOULOS

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EDUCATION

The University of Edinburgh, UK

September 2023 - Present

PhD in Robot Learning (*SLMC lab / Honda Research Institute Europe*)

Advisors: Sethu Vijayakumar (UoE), Michael Gienger (HRI-EU), Nikolay Malkin (UoE)

Research topic: *On the safety, speed and generalization of continuous time generative models for robot control.*

Aristotle University of Thessaloniki (AUTH), Greece

September 2016 - October 2022

Diploma in Electrical and Computer Engineering (5-year degree)

Average Grade : **9.08/10** (*"Excellent", 3rd highest grade*)

Advisor: Georgios Rovithakis

Thesis Title: *Prescribed Performance tracking and dynamic Obstacle Avoidance for Uncertain Euler-Lagrange Systems.*

TEACHING EXPERIENCE

Teaching Assistant in Applied Machine Learning

September 2025 - Present

The University of Edinburgh

Tutor in Machine Learning and Pattern Recognition

September 2024 - January 2025

The University of Edinburgh

RESEARCH EXPERIENCE

University of Tokyo

July 2025 - August 2025

Visiting Researcher

Tokyo, Japan

Researched point-cloud generation using diffusion models.

Italian Institute of Technology (IIT) - Advanced Robotics

April 2022 - April 2023

Research Assistant

Genoa, Italy

Developed human activity recognition and adaptive assistance systems for a lower-back support exoskeleton.

WORK EXPERIENCE

European Council for Nuclear Research (CERN)

February 2021 - April 2022

Software Engineer

Geneva, Switzerland

Built and maintained monitoring software running in the control room of the CMS detector and developed embedded applications for measuring equipment related safety signals.

KENOTOM P.C.

July 2020 - September 2020

Software Engineering Intern

Thessaloniki, Greece

Worked on automotive automation software and controller tuning software.

SELECTED PUBLICATIONS

Sochopoulos, A., Malkin, N., Tsagkas, N., Moura, J., Gienger, M., and Vijayakumar, S. "Fast Flow-based Visuomotor Policies via Conditional Optimal Transport Couplings." Conference in Robot Learning (CoRL), 2025.

Tsagkas, N., **Sochopoulos, A.**, Danier, D., Vijayakumar, S., Lu, C. X. and Mac Aodha, O. "*When Pre-trained Visual Representations Fall Short: Limitations in Visuo-Motor Robot Learning.*" arXiv preprint (2025).

Sochopoulos, A., Gienger, M., and Vijayakumar, S. "*Learning deep dynamical systems using stable neural ODEs.*" IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2024.

Sochopoulos, A., Poliero, T., Caldwell, D., Ortiz, J. and Di Natali, C. "*Human-in-the-loop optimization of active back-support exoskeleton assistance via lumbosacral joint torque estimation.*" IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2023.

AWARDS AND SCHOLARSHIPS

Eurobank award for exceptional high school students	2016
A.G. Leventis Foundation PhD scholarship	2024
A.G. Leventis Foundation PhD scholarship (re-awarded)	2025