

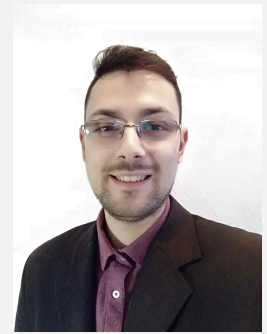
# Sokratis Xenos, Ph.D.

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## EDUCATION

**Doctor of Philosophy** at École Polytechnique (Co-Tutelle) 12.2019 - 06.2024

*Computational Mechanics*

- Thesis: Porous materials: Constitutive modeling and computational issues
- Supervisors: Kostas Danas & Nick Aravas

**Master of Engineering** at University of Thessaly 09.2013 - 11.2018

*Mechanical Engineering*

- Average: 9.03/10 ("Excellent")
- Thesis: Computational non-local plasticity of porous metals
- Supervisors: Nick Aravas

## WORK EXPERIENCE

**Reaserach Associate** at University of Thessaly 12.2019 - Today

*Simulation Engineer & Teaching Assistant*

- Participation in 3 research programs
- Mentoring & Supervision of 6 undergraduate diploma theses
- Teaching Assistant for courses MM402 and MM502
- Tools: Abaqus, Fortan, Mathematica, Python

**Engineering Intern** at METKA, Metlen Energy & Metals 07.2017 - 08.2017

- Placed at Maintenance and Repair Department

## SELECTED PUBLICATIONS

[1] **Xenos S.**, Aravas N., Danas, K. (2024). *A homogenization-based model of the Gurson type for porous metals comprising randomly oriented spheroidal voids*, European Journal of Mechanics - A/Solids, 105, 105238

[2] Aravas N., **Xenos S.**, (2023). *"Implicit" vs "Explicit" gradient plasticity models: Do they always remove mesh dependence in softening materials?*, International Journal of Solids and Structures, 281, 112415

## CERTIFICATES & AWARDS

**Certificate for Excellent Performance during Studies** 12.2024

*Technical Chamber of Greece*

**Academic Scholarship for Doctoral Studies** 03.2020 - 06.2024

*University of Thessaly*

**Certificate for Excellent Academic Performance** 11.2018

*University of Thessaly*

## Programming Skills

Abaqus

Fortran

Mathematica

Latex

Python

Matlab

## OS

Windows

Linux (Ubuntu)

## Languages

Greek (Native tongue)

English (C2 Level)

French (B2 Level)