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

HTML

CSS

OS

Windows

Linux (Ubuntu)

Languages

Greek (Native tongue)

English (C2 Level)

French (B2 Level)