

YANNIS D. TOURIS

Proodou 30, Kifissia
+30 6946113315
yannisdtouris@outlook.com

Skills

- OpenFOAM
- DualSPHysics
- MATLAB
- Ansys Fluent
- ParaView
- AutoCAD

Education

2019 – 2025

Civil Engineering / University of West Attica, Athens

Diploma (MSc equivalent) graduated **1st in class** with a **GPA of 8.9/10** | Master's thesis: **Parametric investigation of bore impact on bridge superstructures**, conducted using **ANSYS** to perform **CFD** simulations quantifying drag forces for different bridge configurations and comparing results with state-of-the-art formulations.

Work Experience

JANUARY 2023 - NOW

Private Tutoring / Athens

Tutored university-level civil engineering and applied mechanics students, primarily in **Fluid Mechanics**, Hydraulics, **FEM**, and both theoretical and design-oriented subjects (**reinforced concrete** and **steel structures**).

JUNE 2025 – DECEMBER 2025

Junior Researcher / NTUA, Athens

Participated in the **European project TRIQUETRA (WP6)**, carrying out **Fluid–Structure Interaction (FSI)** simulations of debris impact on structures using the **SPH-based DualSPHysics** solver coupled with **Project Chrono**, employing the Discrete Element Method (**DEM**) for debris dynamics.

FEBRUARY 2026 - NOW

Junior Civil Engineer / LAKON ATE

Experience in **public construction projects**, including **quantity take-offs** and **project scheduling**. Responsible for **site supervision**, coordination with contractors, and ensuring compliance with project specifications, quality standards, and contractual requirements.

Courses

MARCH 2025

TU Braunschweig / Braunschweig, Germany

Learning the **SPH method**, practicing with GUI CAD version of **DualSPHysics** as well as the xml preparation for **TUI** and compiling the code to follow state-of-the-art physics