

## 2<sup>nd</sup> Digital Design & Advanced Manufacturing Summer School

Dept of Mechanical Engineering, School of Engineering, University of Thessaly, Volos

The Digital Design & Advanced Manufacturing Summer School (DDAM) is a pilot education program between the Digital Engineering Hub (DEHub) at Rowan University (RU) and the Department of Mechanical Engineering in the University of Thessaly (UTH). DDAM emphasizes both theoretical and applied elements to support student learning in years 1-3 of a typical engineering program, by providing a 'hands-on' experience including all steps between design to final manufacturing.

Students participating in this program are introduced to modern aspects of digital design and advanced manufacturing, which include an introduction to a digital product design workflow, leveraging advanced/hybrid manufacturing methods, simulation based analysis, computational design optimization methodologies, additive manufacturing (3D printing) and quality assessment using testing, sensing and artificial intelligence.

Single-week intensive programme, June 30 - July 4, 2025, in Volos, Greece

### Course modules:

Module 1: on-line (asynchronous, e-class), May 15 - June 20, 2025

Module 2: **in-person week in Volos, June 30 - July 4, 2025**

Module 3: remote (independent term project, optional), July 14 - August 29, 2025

Participation fee: 250 EUR

To declare interest, RSVP via email by April 30, 2025

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