

# A PhD student position in “*4D Compliant Mechanism Designs using Additive Manufacturing*”, International Hellenic University, Thessaloniki, Greece

The International Hellenic University (IHU) is Greece’s first public university where programmes are taught exclusively in English. The School of Science and Technology (SST) has been established to provide excellence in Technology Education and Research. Its activities cover research and postgraduate programmes on Product Design, Energy Systems, Environmental Sustainability and Information and Communication Technology (ICT). The School’s philosophy is to provide state-of-the-art multi-disciplinary education.

More info for the university: [www.ihu.edu.gr](http://www.ihu.edu.gr)

## **Topic:**

The PhD candidate will investigate the integration of two fields, 4D printing and compliant structures, by designing geometric configurations that reproduce basic mechanical movements generated through stimuli responsive smart materials. The produced mechanisms can find applications in a wide spectrum of fields, including soft robotics, biomedical devices, aerospace engineering and structural engineering through the use of shape changing configurations that adapt in dynamic environments.

## **Requirements:**

The candidate should have:

- a) Degree in Mechanical Engineering.
- b) Master of Science in Mechanical Engineering, Materials Engineering, Industrial Design or similar.
- c) Very good knowledge of written and spoken English (min C1 level) is a requirement for the position.

The School of Science and Technology will not charge fees for doctoral studies.

**Applications:** The application should include

- a) Application form providing your personal details and the proposed subject of the doctoral thesis.
- b) Full research proposal giving the motivation, the objectives and the expected outcomes for the PhD research.
- c) A motivation letter with your research interests and the reasons for applying for this PhD position and experience (max. 2 pages). Please indicate also your earliest possible date for starting.
- d) Copy of undergraduate and Master's degrees, along with transcripts.
- e) Full CV, including information on the candidate's studies, research or professional activity, his/her scientific papers and interests.
- f) Certification of English language (level C1).
- g) Relevant publications (if any).
- h) A copy of your MSc thesis (or a summary in case the thesis is ongoing).
- i) Two reference letters.

Applications should be sent via email to: [infotech@ihu.edu.gr](mailto:infotech@ihu.edu.gr)

**Information:**

For more information about the PhD positions, please contact Assoc. Prof. Dimitrios Tzetzis: [d.tzetzis@ihu.edu.gr](mailto:d.tzetzis@ihu.edu.gr)

**Starting:** 28 April 2025 or as otherwise agreed.

**Please submit your application no later than 3 April 2025.**