A PhD student position in *“Additive manufacturing of composite materials for drone applications”*, International Hellenic University, Thermi, 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 composite material selection with advanced optimization methods such as topology optimization and lattice design within additive manufacturing. The research will focus on developing and tailoring composite architectures that improve structural efficiency, reduce weight and increase performance of components for drone applications. The resulting structures are expected to offer lightweight, high-strength and multifunctional capabilities that support next generation unmanned aerial vehicles and other drone systems.

**Requirements:**

The candidate should have:

1. Degree in Mechanical Engineering.
2. Master of Science in Mechanical Engineering, Materials Engineering, Industrial Design or similar.
3. 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

1. Application form providing your personal details and the proposed subject of the doctoral thesis.
2. Full research proposal giving the motivation, the objectives and the expected outcomes for the PhD research.
3. 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.
4. Copy of undergraduate and Master’s degrees, along with transcripts.
5. Full CV, including information on the candidate’s studies, research or professional activity, his/her scientific papers and interests.
6. Certification of English language (level C1).
7. Relevant publications (if any).
8. A copy of your MSc thesis (or a summary in case the thesis is ongoing).
9. 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:** 01 November 2025 or as otherwise agreed.

**Please submit your application no later than 10 October 2025.**