

## One (1) Postdoctoral Researcher position in the project

### METAMORPHA

#### *Made-to-measure micromachining with laser beams tailored in amplitude and phase*

- **Action: HORIZON-CL4-2021-TWIN-TRANSITION-01-03:  
Laser-based technologies for green manufacturing  
(Photonics - Made in Europe Partnerships) (RIA)**

The Institute of Electronic Structure and Laser of the Foundation for Research and Technology Hellas (IESL-FORTH), in the framework of the project METAMORPHA (P.I. Dr Emmanuel Stratakis, Co-PI Dr. George Tsibidis) funded under EU- HORIZON Research and Innovation Action (HORIZON-CL4-2021-TWIN-TRANSITION-01-03, ‘Laser-based technologies for green manufacturing -Photonics - Made in Europe Partnerships’) (Project number: 101057457), is seeking to recruit one Postdoctoral researcher.

#### **Job Description**

Micro- and nano-structuring of materials with ultrashort laser pulses has proven its significance and contribution to major advances in science, technology and industry. The project will include the fabrication of nano/micro-structured topographies via the employment of ultrashort pulsed lasers tailored in shape and amplitude. The project will be realized in collaboration with partners in the consortium and the team of the Ultrafast Laser Micro- and Nano- Processing group (ULMNP) that has a strong and renowned expertise in laser-based processing.

#### **Required qualifications**

- Bachelor's degree (B.Sc.) and Master's in physics or materials science (20%)
- PhD in physics or Material Science (30%)
- Experimental laboratory experience in materials processing, optics and characterization techniques (30%)
- Relevant publications (20%)

#### **Desirable Qualifications**

- Experience on laser-based processing, optical and material characterization, knowledge of laser-matter interaction fundamentals
- Previous publications in the position topic
- Demonstrated ability to work both independently and in a team
- Fluent in English, both in written and writing

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**Location:** IESL-FORTH, Heraklion Crete GREECE

**Start Date (earliest):** 1/2/2024

**Salary:** 1200-1500 €

**Project Duration:** 12 months