

Laser Materials Processing

1. Job/Fellowship Reference: ICEMS 2

Main research field: Engineering

Sub research field: Laser materials processing/laser microprocessing

Job summary:

Laser materials processing and/or laser microprocessing. Characterization of laser-processed materials/surfaces at an advanced level

Job description: (including job description, qualifications and experience and contract conditions)

The candidates must have a PhD degree in materials science, physics or a related field and more than 2 years of research experience after the PhD. They must have expertise on laser surface treatment (laser alloying, laser cladding) and/or laser microprocessing using excimer and femtosecond solid-state lasers as well as on characterization of laser-processed materials and surfaces at an advanced level. Expertise in laser surface functionalisation for biomedical applications and/or laser microfabrication of medical devices is desirable.

The researcher should be willing to work as part of a large team, but is also expected to conduct independent research and generate his own projects. He may be called to participate in international projects, so willingness to travel for short periods to work in other European countries is required.

The applicants must submit the following documents for appreciation:

Curriculum Vitae
Letter of Intent
References

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