PowerLaPs
“Innovative Education & Training in High Power Laser Plasmas”

Programme
Erasmus+

Key Action
KA2. Cooperation for innovation and the exchange of good practices

Action
KA203. Strategic Partnerships for higher education

Main objective of the project
Development of Innovation

Project Title
Innovative Education & Training in high power laser plasmas

Project Acronym
PowerLaPs

Project Start Date
01-10-2017

Project End Date
30-09-2019
Innovative Education & Training in high power laser plasmas " - PowerLaps aims to trigger the last year Bachelor, Master and PhD students, to enhance their studies and improve their skills for employability in the scientific area of Plasma Physics and High Power Lasers. The educational and the relevant training methods will focus on four thematic priorities:

I. Plasma Physics
II. High Power Laser Matter Interactions/High Energy Density Physics in theory and practice
III. Plasma Diagnostics
IV. Computational Modeling & Simulations in Laser Matter Interactions.

The courses will be developed, in a period of two years, in the form of state of the art theoretical, applied and laboratory training accompanied by intensive programmes in the worldwide arising and rapidly expanding field of high power laser plasmas. Attendants will gain skills through study and training inside and outside of their countries that will encourage cross-border co-operation and increase higher education quality and profession skills. Attendants that will successfully complete the educating and skill development program will gain high quality and professional training from top scientists & engineers in the innovative fields of laser produced plasmas, laser physics and fusion, focused at plasma research in the academic or the private sector of plasma industry, optoelectronics, microelectronics, material processing, fusion engineering and relevant leading edge laser innovations.

**Participating Organizations**

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<tr>
<th>Organization</th>
<th>Country</th>
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<tr>
<td>Technological Educational Institute of Crete (Applicant)</td>
<td>Greece</td>
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<td>Panepistimio Ioanninon</td>
<td>Greece</td>
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<td>University of York</td>
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<td>The Queen's University of Belfast</td>
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<td>Ecole Polytechnique</td>
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<td>Universidad de Salamanca</td>
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<td>Ceske Vysoke Uceni Technicke V Praze</td>
<td>Czech Republic</td>
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