

Recent advances in lasers for manufacturing, sensing, and bio-medicine

Chairmen:

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Scope

Lasers have recently demonstrated a high degree of maturity, which has enabled the realization of reliable, robust and efficient devices. Their applications encompass several fields, ranging from materials processing to sensing, and – more recently – to bio-medicine, both for manufacturing of medical devices and for surgery.

This symposium aims at discussing the state of the art of the most recent commercial products and the needs of the companies in terms of R&D, with the perspective of a tighter collaboration with Academy and Research Institutions.

Details

- Date: 7th May 2015
- Duration: two hours during the second part of the morning
- 15 minutes per speaker, with final panel discussion

Speakers and tentative titles for their talks

Carlos Lee, European Photonics Industry Association (EPIC) – *“Worldwide and EU market overview on lasers for industrial, biomedical and sensing applications”*

Paolo Calefati, Prima Power S.p.A. – *“Laser systems for materials processing”*

Giovanni Masotti, El. En. S.p.A. – *“Lasers for biomedical applications and cultural heritage”*

Guglielmo Cavalcabò, SISMA S.p.A. – *“Laser metal fusion: development of reference models for physical and dimensional process analysis”*

Sergio Pellegrino, Laserpoint s.r.l. – *“Micro-processing using ultrashort pulsed lasers, the new frontier of industrial lasers”*

Andrea Braglia, OPI Photonics s.r.l. – *“High power laser systems and components”*

Luca Fumagalli, Q-Tech s.r.l. – *“Integrated laser systems for on machine three-dimensional monitoring”*