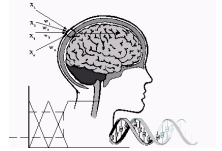




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Eco- friendly and efficient Laser technologies for factories of the future

**Name, Title and Affiliation of Chair:**

Dr Samuel Bigot – Lecturer at Cardiff University

**Details of Session (including aim and scope):**

The session aims at presenting recent development in laser micro-manufacturing focusing on fast, flexible, high-precision, reduced cost and ecological friendly manufacture of goods.

The selected papers are expected to cover research activities, focusing on developments and applications of laser related technologies, which demonstrate one of the following:

- improved cost efficiency
- optimised consumption of resources (energy, material,...)
- high added value components/goods
- improvement of device performances in green industry (e.g., solar cells, batteries)
- adaptability/re-configurability through a modular approach in production systems
- higher and more stable product quality through increased process robustness and accuracy
- higher productivity under enhanced safety conditions
- increased reusability of production systems to develop products anytime and anywhere, independently of the technologies, culture or language in use in the different production sites;
- new products, requiring new manufacturing technologies adapted to new features.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

Bayerisches Laserzentrum Gmbh (BLZ)  
Cardiff University  
Cluster Photonique Belgium  
European Photonics Industry Consortium (EPIC)  
IREPA Laser  
Karlsruhe Institute Of Technology (KIT)  
Multitel  
Sirris  
University Of Birmingham  
VITO Nv

**Deadlines:**

- Submission of papers: **23 December 2013**
- Notification of Acceptance: 1 February 2014
- Receipt of publication files: 1 March 2014

**Website URL of Call for Papers**

<http://www.ecolaserfact.eu/content/eco-laserfact-invited-session-sdm2014-call-paper>

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