



Workshop on

LASER APPLICATIONS

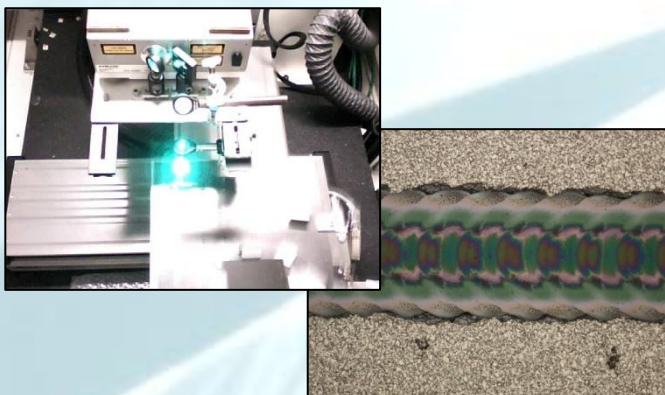
Cutting, Scribing, Welding, Ablation, Surgery

June 11, 2012

S. Elisabetta Congress Center, Parma

Photonics is a field of constant innovation that produces truly revolutionary products and capabilities based on investment in research and development. **NEXPRESSO** is a 3 year action started June 1st, 2010 within the FP7 Programme and is designed to support SMEs and researchers through access to photonics technology and prototype components.

NEXPRESSO aims to put pre-competitive photonic components and systems in the hands of researchers and students at no net cost to the university or to the company that furnishes the prototypes. It also aims to facilitate transfer of the university results for potential end-users, especially SMEs, in new markets, new applications.



The Information Engineering Department is now involved in the recently accepted R&D **NEXPRESSO** Project "Short-Pulse High-Speed Fiber Laser Cutting Of Multi-Layer Materials". The kick-off meeting of the **NEXPRESSO** Project will be used as an opportunity to hold the current Workshop on laser applications.

Some of the most relevant and promising laser technology applications will be presented, ranging from both classical and novel industrial applications to medicine.



Workshop Location

**Santa Elisabetta
Congress Center**

Parma University Campus
Viale G.P. Usberti 97
I-43124 Parma, Italy

Workshop Program

14:00 Invited speaker presentations

Domenico Giannone

Nexpresso's presentation

Annamaria Cucinotta

Laser scribing of photovoltaic modules

Stefano Selleri

Laser cutting of multi-layer materials

Carlo Fornaini

Laser-tissue interactions

15:30 Discussion