

**Workshop:**

**Laser Polymer Welding –**

**Recent Results and Future Prospects for Industrial Applications in an European Research Project**

**Date :** May 14, 2013, 09 :00h – 13 :00 h, Room A22

**Location :** Munich, Germany

- 09:00** Alexander Olowinsky (Chair)  
Fraunhofer ILT, Aachen (DE)  
**Introduction, Polybright Project Overview**
- 09:25** Tim Westphälig  
IPG Laser GmbH, Burbach (DE)  
**High-brilliance Fiber Laser Sources with new NIR Wavelengths**
- 09:50** Daniel Vogler  
Leister Process Technologies, Kägiswil (CH)  
**Beam shaping for enhanced laser polymer welding**
- 10:15** Coffee break
- 10:35** Frauke Legewie  
LIMO Lissotschenko Mikrooptik GmbH, Dortmund (DE)  
**Welding of polymers with adapted wavelengths and innovative intensity distributions by beam shaping - laser sources and materials**
- 11 :00** Petri Laakso  
VTT Technical Research Centre, Lappeenranta (FI)  
**Intelligent Power Control for Quasi-Simultaneous laser welding**
- 11 :25** Fernando Liebana  
Tecnalia, Zamudio (ES)  
**Autocalibration system with internal and external camera for scanner-based laser welding of polymers**
- 11:50** Mikko Laaksonen  
Cencorp Oyj, Mikkeli (FI)  
**Laser welding machines with new features**
- 11 :15** Final Discussion
- 12:30** Lunch