

**Workshop:**

Laser Polymer Welding –

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

**Date :** May 14, 2013, 09:15h – 13:00h, Room A22

**Location :** Munich, Germany

- 09:15** Alexander Olowinsky (Chair)  
Fraunhofer ILT, Aachen (DE)  
**Introduction, Polybright Project Overview**
- 09:40** Tim Westphäling  
IPG Laser GmbH, Burbach (DE)  
**High-brilliance Fiber Laser Sources with new NIR Wavelengths**
- 10:05** Daniel Vogler  
Leister Technologies AG, Kägiswil (CH)  
**Beam shaping for enhanced laser polymer welding**
- 10:30** Coffee break
- 10:50** 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**
- 11:15** Saara Ruotsalainen  
VTT Technical Research Centre, Lappeenranta (FI)  
**Intelligent Power Control for Quasi-Simultaneous laser welding**
- 11:40** Fernando Liébana  
Fundacion Tecnalía Research&Innovation, Derio (ES)  
**Autocalibration system with internal and external camera for scanner-based laser welding of polymers**
- 12:05** Mikko Laaksonen  
Cencorp Oyj, Mikkeli (FI)  
**Laser welding machines with new features**
- 12:30** Final Discussion
- 12:45** Lunch