

PHOTONICS AUSTRIA

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Photonics 4 Industrial Production

October 29th 2018, 13:00 – 18:00
Marriott Courtyard, Vienna, Austria

The workshop targets European companies as end users of photonic technologies. It will bring together experts at European level in the field of photonics, laser technology, automatisisation, mechanical processing and industrial technologies to discuss the opportunities for innovation that photonic technologies, such as high power lasers, optical sensors and data networks, can lead to production systems and

mechanical processes and their applications in key regional, national and European manufacturing sectors. It will provide a networking opportunity for industry and academic interests, end-users and suppliers. The workshop, organised by Photonics Austria in cooperation with Plattform Industrie 4.0, is free of charge and supported by the European Commission.

Program

Moderation: Univ.-Prof DI Dr. Wolfgang Pribyl, MBA, CEO JOANNEUM RESEARCH

13:00 – 13:15	Welcome
13:15 – 14:30	Session 1 – Laser production technologies
13:15 – 13:30	Lecture 1: “Photonics as a versatile Tool in Industrial Production” <i>Dr. Thomas Rettich, Trumpf</i>
13:30 – 13:45	Lecture 2: “Laser material processing for a wide range of applications” <i>Univ.-Prof. DI Dr. Paul Hartmann, JOANNEUM RESEARCH</i>
13:45 – 14:00	Lecture 3: “Completely Integrated (CI): How STIWA operates lasertechnology in their high performance assembly lines” <i>DI (FH) Karlheinz Loistl & Markus Forstinger, STIWA Group</i>
14:00 – 14:30	Podium Discussion Session 1
14:30 – 15:00	Coffee Break
15:00 – 16:30	Session 2 – Simulation, Monitoring and AR
15:00 – 15:15	Lecture 4: “Process Simulations for Optimizing and Planning Laser Material Processing” <i>Univ.-Prof. Dipl.-Phys. Dr.-Ing. Andreas Otto, TU Wien</i>
15:15 – 15:30	Lecture 5: “Quality assurance as a tool for the standardization of new technologies using the example of laser processes, such as DLMS” <i>Dipl.-Ing. Arnold Braunsteiner, Plasmo</i>
15:30 – 15:45	Lecture 6: “Use cases for Artificial Intelligence and Mixed Reality” <i>Jörg Konwalinka, Msc, Microsoft</i>
15:45 – 16:00	Lecture 7: “Photonic Sensing and Augmented Reality: industrial applications from polymers to aeronautics” <i>Dipl.-Ing. Bernhard Reitingner, RECENDT</i>
16:00 – 16:30	Podium Discussion Session 2
16:30 – 18:00	Networking / Buffet

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