

TIM bei WKO Oberösterreich

Hessenplatz 3 · 4020 Linz

In cooperation with:



This event is part of the  
5<sup>th</sup> International Symposium on Laser-Ultrasonics  
<http://lu2016.at/>

**LU2016** LNZ  
LASER-ULTRASONICS + ADVANCED SENSING



TIM ist eine  
gemeinsame Initiative  
von Land OÖ und  
Wirtschaftskammer OÖ



**Laser-Ultrasonics**  
Non-Destructive Testing –  
From grain structures to aeronautic components

# Laser-Ultrasonics

## Non-Destructive Testing - from grain structures to aeronautic components

**Industry Day** as part of the 5<sup>th</sup> International Symposium on  
Laser-Ultrasonics and Advanced Sensing

**Wednesday, 6<sup>th</sup> of July 2016**

9:00 – 17:00

Johannes Kepler University Linz, Science Park 3  
Altenberger Str. 69, 4040 Linz, Austria

**Laser-Ultrasonics (LUS)** is a contact-free and in-line applicable method for **non-destructive testing (NDT)**. Unlike conventional Ultrasonics, LUS can be applied for e.g. moving and/or hot samples in industrial environment. The application fields of LUS are **product development, quality assurance** and **process optimization**.

Which **materials** are appropriate?

- Metals, CFRP, ceramics and multi-material composites

Which characteristics can be investigated?

- Material errors (cavities, pores, delaminations), geometry, elastic parameters, anisotropy, texture, grain structure

International top-speaker, like Laser-Ultrasonics equipment manufacturers, research institutes and end-user Toshiba-Japan will present their latest LUS topics. This enables the participants to learn more about the application fields of Laser-Ultrasonics and to get in touch with experts from around the world.

### Target groups:

- Raw material manufacturers (e.g. steel, aluminium, CFK)
- Automotive and Aerospace-OEM and –suppliers
- Special-purpose machine manufacturers
- Materials researchers...

## Program

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<b>09:00</b>	<b>Opening and Introduction to Non-Destructive Testing (NDT) with Laser-Ultrasonics (LUS)</b> Dr. Jakov Šekelja, GKN Aerospace, Germany DI (FH) Hubert Grün, AIT, Austria DI Bernhard Reitingner, RECENDT, Austria
<b>09:45</b>	<b>LUS Instrumentation and Industrial Applications</b> Dr. Marc Choquet, Tecnar, Canada Dr. Peter Lundin, Swerea KIMAB, Sweden Prof. Matt Clark, University of Nottingham, UK Dr. Mickael Messaoudi, BossaNova Technologies, USA Prof. Christ Glorieux, KU Leuven, Belgium Dr. Marvin Klein, IOS Inc., USA
<b>12:15</b>	Lunch
<b>13:30</b>	<b>Industrial Applications of Laser-Ultrasonics</b> Dr. Gerald Stöger, TIM DI Bernhard Reitingner, RECENDT, Austria Dr. Takeshi Hoshi, Toshiba, Japan Dr. Jean-Pierre Monchalain, CNRC, Canada
<b>15:15</b>	<b>Networking &amp; Equipment Exhibition</b> Buffet
<b>17:00</b>	<b>End</b>

The complete conference program is available here: <http://lu2016.at/program>

## Registration

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### TIM - Technology- and Innovation-Management

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### Costs

Participation fee € 90,-  
(You will receive an invoice after the event)

### Parking

Free parking (underground parking Science Park)

For this event the general terms and conditions of the WKOOE are valid:  
<http://wko.at/oe/AGB>