

Workshop “Microstructural Characterization and Quality Assurance”

Hosts:

Prof. Dr.-Ing. Frank Mücklich

(Saarland University, Steinbeis Material Engineering Center Saarland)

and

Prof. Dr.-Ing. Bernd Valeske

(Fraunhofer Institute for Nondestructive Testing)

Saarland University, Campus Saarbrücken
13:00 – 18:30, 3rd April 2014, Building D3.3
09:00 – 13:00, 4th April 2014, Fraunhofer IZFP

UniGR-, intermatGR-, caMPlusQ- and Fraunhofer IZFP – Frank Mücklich and Bernd Valeske – are organising the workshop “**Microstructural Characterization and Quality Assurance**”, bringing together **researchers, enterprises and experts** from the Greater Region.

We would like to invite you to the **two-day workshop** that will take place on 03 and 04 April 2014. **The workshop language will be English**

DRAFT AGENDA

**Thursday
03/04/2014**

13:00 – 13:15

Microstructural Characterization (Building D3.3)

Welcome, context and objectives of the meeting (Prof. Dr.-Ing. Frank Mücklich, Saarland University & Material Engineering Center Saarland)

13:15 – 14:30

Presentations of researchers and experts of the Greater Region

14:30 – 14:45

- Coffee break -

14:45 – 16:30

Presentations of researchers and experts of the Greater Region

16:30 – 17:00

- Coffee break -

17:00 – 18:30

Seminar/LabTalk at the Chair of Functional Materials at Saarland University:

- Metallographic Serial Sectioning
- Focused Ion Beam Tomography
- Atom Probe Tomography

19:00 – 22:00

Workshop dinner and discussion on possible common projects

Friday**03/04/2014**

09:00 – 09:15

Nondestructive Testing (Fraunhofer IZFP)

Welcome (Prof. Dr.-Ing. Bernd Valeske, Fraunhofer Institute for Nondestructive Testing)

09:15 – 11:00

Presentations on State-of-the-Art NDT:

- Advanced NDT Applications for Quality Control in the Life Cycle of Automotive Components (Prof. Dr. Bernd Valeske)
- Nondestructive Testing and Evaluation for Characterization of Materials (Dr. Jochen Kurz)
- Ultrasonic Testing of Adhesive Layers exposed to Complex Mechanical and Environmental Loads (PD Dr.-Ing. Ute Rabe)
- Simulation-Based Ultrasonic Inspection of Complex Materials and Components (PD Dr. M. Spies, H. Rieder, A. Dillhöfer)

11:00 – 11:30**- Coffee break -**

11:30 – 13:00

LabTalk at the Fraunhofer Institute for Nondestructive Testing
Discussion on possible common projects
Conclusion and next steps

The agenda will be updated as soon as possible, including all speakers and the exact topics of their presentations.

Since the number of participants is limited, we kindly ask you to **register** here (<http://www.uni-kl.de/universitaet/verwaltung/eu-referat/uni-gr/workshop/registration/>) for this free workshop until **27/03/2014**

Please do not hesitate to contact us by e-mail, if you have any further questions: a.floren@con.uni-saarland.de .

The workshop belongs to a series of workshops organized by the “University of the Greater Region – UniGR” in cooperation with the Interreg IVA-Project “intermatGR”. Additional information about UniGR is available on www.uni-gr.eu or by contacting your local UniGR Officer at Saarland University (n.ickert@ugr.uni-saarland.de), University of Liège (c.lebaron@ulg.ac.be), University of Luxembourg (kristina.hondrila@uni.lu), University of Lorraine (charlotte.tavernier@univ-lorraine.fr), University of Kaiserslautern (florian-daniel.weber@verw.uni-kl.de) or Trier University (vieten@uni-trier.de). For more information about intermatGR please visit our web page: <http://intermat-gr.eu/> .