



MECA SENS **2015**
Grenoble - France

Tutorial Days for Industry

Joint training session for industry and applied scientists

28 and 29 September 2015



Programme

Monday 28 September

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| 11:45 | Welcome and registration in the Central Building ESRF Guided by our staff |
| 12:00 – 13:30 | Lunch at the ESRF-ILL Canteen |

Venue: ILL-ESRF Science Building • room 36

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| 13:30 - 13:50 | <i>Introduction and Short Overview</i> Thomas Buslaps (ESRF) and Thilo Pirling (ILL) |
| 13:50 – 14:30 | <i>Roundtable – Introduction of participants</i> Present yourself and tell us about the R&I challenges in 3 or 4 minutes |
| 14:30 – 16:00 | <i>Residual strain measurements with Synchrotron X-rays</i> Peter Staron, HZG – Institute of Materials Research, Germany |
| 16:00 – 16:15 | Break (Coffee) |
| 16:15 – 17:30 | <i>Residual strain measurement with Neutrons</i> Don Brown, Los Alamos National Laboratory, USA |
| 17:30 – 18:30 | <i>Visit of ILL facility</i> Thilo Pirling (ILL) |

Tuesday 29 September

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| 9:00 – 10:15 | <i>Analysis of Residual Stress: Data Modelling</i> Matteo Leoni, University of Trento, Italy |
| 10:15 – 10:30 | Break (Coffee) |
| 10:30 – 11:45 | <i>Using Imaging in materials science for stress, strain, damage characterization</i> Andy King, SOLEIL Synchrotron, France |
| 12:00 – 13:30 | Lunch |
| 13:30 – 14:15 | <i>Added value of Synchrotron X-ray and Neutron diffraction studies</i> Tom Holden, Northern Stress Tech, Canada |
| 14:15 – 14:30 | <i>The Neutron eigenstrain standardization project</i> Carsten Ohms, JRC-PETTEN, Netherlands |
| 14:30 – 15:00 | <i>Industry Example</i> Axel Steuwer, Invest in Skane, Sweden |
| 15:00 – 15:15 | <i>Working with Industry</i> Ennio Capria (ESRF) and Duncan Atkins (ILL) |
| 15:15 – 16:45 | Discussion around coffee |
| 16:45 – 17:45 | <i>Visit of ESRF facility</i> Thomas Buslaps (ESRF) |
| End of the Tutorial | |

18:30 - 22:00 MECASENS Reception at the Museum of Grenoble – please **register to the main event** if you wish to attend to the whole conference