

## “Demands of European neutron users in materials science for the instrumentation of the upcoming PIK neutron science centre”

### Workshop program

**Thursday, 22 September 2016**

#### **Session 1: Welcome and introduction**

14:00–14:15 Martin Müller (HZG, D), Welcome

14:15–14:30 Alexander Ioffe (FZJ, D), Introduction to the CREMLIN project

14:30–15:00 Sergey Grigoriev (PNPI, RU), The PIK reactor project and the Russian user community

#### **Session 2: Current state in instrumentation for materials science**

15:00–15:30 Helmut Schober (ILL, F), The instrument suite at the HFR at ILL with a focus on materials science

15:30–16:00 Winfried Petry (TU Munich/MLZ, D), The instrument suite at the FRM II at MLZ with a focus on materials science

16:00–16:30 *Coffee break*

16:30–17:00 Andreas Schreyer (ESS, SE), *Instrumentation for Materials Science with Neutrons\**

17:00–17:30 Christiane Alba-Simionesco (ENSA, EU), *The ENSA view on the demands of European neutron users\**

#### **Session 3: Towards European users' demand**

17:30–18:00 Evgeny Moskvina (PNPI, RU), The planned instrument suite at the PIK reactor

18:00–18:10 Andreas Magerl (FAU, D), The “Travelling Seminars” in Russia and Germany

18:20 *Leave for dinner place*

19:00 *Dinner*

**Friday, 23 September 2016**

09:00–09:30 Daniel Chateigner (ENSICAEN, F), *Materials Science with neutrons\**

09:30–10:00 Tobias Panzner (PSI, CH), The Pulse Overlap Time of Flight Diffractometer POLDI – A material science Strain scanner for in-situ uni- and biaxial mechanical testing

10:00–10:30 *Coffee break*

10:30–11:00 Roberto Coppola (ENEA, I), Experimental needs for neutron scattering methods in the investigation of advanced engineering materials

11:00–11:30 Andreas Meyer (DLR, D), How Neutron Scattering improves the understanding of liquid alloys and their solidification

#### **Session 4: Discussion**

11:30–11:40 Peter Staron (HZG, D), Summary

11:40–12:50 **Discussion: Recommendations for the PIK instrumentation**

12:50–13:00 Closure

13:00–14:00 *Valedictory lunch snack*