



WORKSHOP ON METALLURGY WITH SYNCHROTRONS

DECEMBER 6-7, 2010 - ESRF AUDITORIUM

MONDAY DECEMBER 6, 2010

12:00-14:00 *Lunch at the ESRF/ILL restaurant*

Welcome

14:00-14:05 Welcome and Introduction

Harald Reichert (ESRF)

14:05-14:30 Presentation on the Initiative for a Workshop on a High-Energy Beamline at the ESRF

Alain Jacques (Inst. Jean Lamour)

Session 1: Penetrating Probes for Metallurgical Exploration

14:30-14:50 HEMS/Petra III: The Successor of HARWI-II (15'+5')

Andreas Schreyer (GKSS)

14:50-15:10 JEEP/Diamond Environment and Processing (15'+5')

Michael Drakopoulos (DLS)

15:10-15:30 HEX/ESRF and UPBL2 (15'+5')

Veijo Honkimäki (ESRF)

15:30-15:50 Complementarity of X-rays and Neutrons (15'+5')

Alex Evans (ILL)

15:50-16:10 Discussion of Future Needs

16:10-16:30 *Coffee Break*

Session 2: Examples from the Forefront of Research

16:30-18:30 *Parallel Discussion on Further Needs for the Metallurgy-HERMeS Beamline*

Group A: Imaging/Topography

Chair: Jean-Yves Buffière (Mateis/Insa-Lyon)

Session Topics with Discussion to be confirmed

Group B: HXRD

Chair: Alexander Wanner (iwk1/KIT)

Session Topics with Discussion to be confirmed

18:30 Closing Session and Concluding Remarks

Alain Jacques/Harald Reichert

20:00 *Workshop Dinner at the Restaurant "La Corne d'Or"*

TUESDAY DECEMBER 7, 2010

Session 3: Contemporary Problems and Future Challenges – Chair: Ed Mitchell

09:00-09:45 Contemporary Problems and Future Challenges (40'+5')

Phil Withers (Univ. Manchester)

09:45-10:15 Industrial Questions and Requirements

Colin Scott, ArcelorMittal (25'+5')

10:15 -10:40 *Coffee Break*

10:40 -11:25 Industrial Questions and Requirements (continued)

Sven Erik Offerman (Delft University of Technology) (20'+5')

Ragnvald Mathiesen (Norwegian University of Science & Technology) (15'+5')

11:25-11:40 General Discussion of Industrial Needs

Session 4: The Metallurgy-Beamline – Chair: Harald Reichert

11:40-12:00 Techniques and Sample Environment Needed

Alain Jacques

12:00-12:20 Conclusions of Further Needs (Group A and B)

12:20-14:00 *Lunch at the ESRF/ILL restaurant*

Session 5: General Discussion

14:00-15:00 General Discussion

Harald Reichert

15:00-15:10 Wrap Up

Alain Jacques

15:10 *End of the Workshop*