



International initiative on x-ray fundamental parameters

9th workshop, University of Surrey, UK, Oct. 6-7, 2016

Thursday, Oct. 6

13:00 Welcome coffee and light lunch

13:30 Welcome to Guildford, University of Surrey *Chris Jeynes (Univ. of Surrey)*

13:40 Welcome address *Prof. Ravi Silva (Director ATI, Univ. of Surrey)*

14:00 Objectives of the workshop *Marie-Christine Lépy (LNHB)*

14:10 Summary of the 2015 FP workshop at Lisbon *José Paulo Santos (Univ. Nova Lisboa)*

Scientific and technical presentations

14:20 Energies and widths of atomic core-levels in liquid mercury *Jean-Claude Dousse (Univ. Fribourg)*

14:50 Rutherford backscattering spectrometry as a primary direct reference method for Quantity of Material measurements for thin film samples *Chris Jeynes (Univ. Surrey)*

15:20 Coffee break

15:50 Energy and shape of L lines of the lanthanide-series elements *Joseph Fowler (NIST)*

16:20 Calibration procedures of soft x-ray emission spectrometry for FP determinations *Rainer Unterumsberger (PTB)*

16:50 Measurement of the L fluorescence yields of tin *Yves Ménesguen (LNE-LNHB)*

17:20 Recent calculations of fluorescence yields, line energies and transitions *José Paulo Santos (Univ. Nova Lisboa)*

17:50 L and M emission lines in the elements of Hf, Pt, and Au Yoshiaki Ito (*Univ. Kyoto*)

18:20 *Statements and ad-hoc short presentations of partners*

18:30 end of day 1

20:00 dinner

Friday, Oct. 7

9:00 **Objectives of the workshop – day 2** Burkhard Beckhoff (*PTB*)

Fundamental Parameter Initiative

Report of funded international projects

9:10 **EMRP project ENG53** Burkhard Beckhoff (*PTB*)

9:15 **Industrial collaborative project** Joanna Hoszowska (*Univ. Fribourg*)

9:20 **Webpage and publication database – updates and impact on expert group 5**
Michael Kolbe (*PTB*)

Roadmap update (version 2.0, Oct. 2016) based on input to new expert groups during recent workshops ([see FP board for all details](#))

9:30 **Suggestion on procedure for the roadmap update,** Burkhard Beckhoff (*PTB*)

9:40 **Project management and fund raising (group 1)**

Joint implementation of summary on previous work B. Beckhoff (*PTB*)

10:00 **New experimental determinations and methodology (group 2)**

Joint implementation of summary on previous works M.-C. Lépy (*LNHB*)

10:35 Coffee break

Roadmap update (version 2.0, Oct. 2016) based on input to new expert groups during recent workshops ([see FP board for all details](#))

11:05 Theory & codes: competent use and update of parameters – (group 3)

Joint implementation of summary on previous work *José Paulo Santos (Univ. Nova Lisboa)*

11:40 Integration of new experimental as well as theoretical parameters into critically evaluated compilations (group 4)

Joint implementation of summary on previous works *Burkhard Beckhoff (PTB)*

12:15 Lunch

13:00 Continuing a joint project Moderator: Y. Ménesguen and M. Kolbe

Discussion on activities, priorities and funding options

13:30 *Statements and ad-hoc short presentations of partners*

13:40 Follow-up events and FP workshops *B. Beckhoff and M.-C. Lépy*

14:00 Conclusions and summary *Ch. Jeynes and B. Beckhoff*

14:15 ThinErgy stakeholder meeting

Discussion between stakeholders and consortium members *R.Unterumsberger, Y. Ménesguen, and M. Kolbe*