3-Way X-ray Optics Workshop IV

19 June 2006
Venue: ESRF Auditorium

Programme

08h40-08h45	**Welcome**	DoR, Christian Morawe (ESRF)
	Session 1 (Chair: Andreas Freund)	
08h45-09h10	Overview of optics at SPring-8	Shunji Goto (SPring-8)
09h10-09h35	Optics fabrication and metrology at the APS: a status report	Albert Macrander (APS)
09h35-10h00	Overview of optics development at ESRF	Christian Morawe (ESRF)
10h00-10h30	*Coffee break + Posters (Entrance Hall)*	
	Session 2 (Chair: Christian Morawe)	
10h30-10h50	Hard X-ray nano-focusing with ultraprecisely figured mirrors	Hidekazu Mimura (Osaka University)
10h50-11h10	Nanofocusing programme with reflective optics at ESRF	Olivier Hignette (ESRF)
11h10-11h30	Nanometer focusing of X-rays using diffractive optics: concept, limits and approaches	Jörg Maser (APS)
11h30-11h50	Silicon nano-focusing lenses for high energy X-rays	Anatoly Snigirev (ESRF)
11h50-13h00	*Lunch in the "guest room" of the ESRF Restaurant*	
	Session 3 (Chair: Shunji Goto)	
13h00-13h20	Round-Robin results of SPring8	Haruhiko Ohashi (SPring-8)
13h20-13h40	Results of aspheric Round-Robin measurements and other developments at the APS metrology laboratory	Albert Macrander (APS)
13h40-14h00	Second Round-Robin between the APS, SPring8 and ESRF metrology laboratories focused on aspheric mirrors	Amparo Rommeveaux (ESRF)
14h00-14h20	Reflectivity and stress responses of W/B_4C and Ru/B_4C multilayers upon isothermal treatment	Christine Borel (ESRF)
14h20-14h50	*Coffee break + Posters (Entrance Hall)*	
	Session 4 (Chair: Albert Macrander)	
14h50-15h10	Results from and design of the APS rotary deposition system	Ray Conley (APS)
15h10-15h30	Design and status of the new ESRF multilayer deposition system	Jean-Christophe Peffen (ESRF)
15h30-15h50	Characterization of IIa diamond	Kenji Tamasaku (SPring-8)
15h50-16h10	Status of the characterization of HPHT type IIa diamonds for X-ray optical applications at the ESRF	Jürgen Härtwig (ESRF)
16h10-17h00	Posters + Discussion (Entrance Hall)	
17h00-18h30	Optics Laboratories Visits	
19h00	*Departure for dinner from ESRF*	
19h30	*Dinner at the "Bastille" in Grenoble*	
22h30	*Return to hotel and ESRF*	