MP1203

Monday 19th September 2016		
	8:45 – 9:00	Registration
WG1: X-ray spatial metrology of optics	9:00 – 9:10	Welcome, and overview of Action MP1203 **Philippe Zeitoun**, Chair
	9:10-9:40	*Attosecond holography* **Aura Gonzalez**, CEA, France
	9:40-10:10	*LASERIX facility* **Olivier Guilbaud**, University Paris-Sud, France
	10:10-10:40	*Future directions in X-ray Optics and Metrology at Diamond* **Kawal Sawhney,** Diamond Light Source, UK
	10:40-11:10	*Applications of laser-driven soft x-ray sources and beam characterization at short wavelengths* **Klaus Mann**, Laser-Laboratorium Göttingen e.V., Germany
	11:10-11:30	***Coffee break***
	11:30-12:00	*Tunable EUV radiation source for laboratory based photoemission spectromicroscopy* **Daniel Wilson**, Forschungszentrum Juelich GmbH, Germany
	12:00-12:30	*SHARPeR - highly accurate metrology system for X-ray mirrors* **Rakchanok Rungsawang**, Imagine Optic, France
	12:30-13:00	*Optics for the ESRF-EBS and their online characterization* **Sebastien Berujon**, ESRF, France
		Snack lunch
WG2: Spatial and temporal metrology of X-ray sources	16:30-17:00	*Evidence of partial temporal coherence effects in the linear autocorrelation of extreme ultraviolet laser pulses* **Andréa Le Marec,** ISMO, France
	17:00-17:30	*Wavefront measurements of high order harmonics in loose focusing geometry* **Hugo Dacasa Pereira,** LOA, France
	17:30-18:00	*High Purity X-ray Polarimetry* **Hendrik Bernhardt**, Friedrich Schiller University Jena, Helmholtz Institute Jena, Germany
	18:00 - 18:30	*Gamma ray focussing for radiation therapy* **Claudio Ferrari**, IMEM-CNR Institute, Italy
	18:30 - 18:40	*COST Action "Electronic excitation",* **Eduardo Oliva**, Universidad Politecnica de Madrid, Spain

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Tuesday, 20th September 2016		
WG2: Spatial and temporal metrology of X-ray sources	9:00-9:30	*Overview of ELI facilities and Science at ELI-ALPS* **Dimitris Charalambidis**, FORTH/ELI-ALPS
	9:30-10:00	*Advanced X-ray Optics for Laboratory and Space* **Rene Hudec**, Czech Technical University & ASI, Czech Republic
	10:00-10:30	*The LUNEX 5 project* **Marie-Emmanuelle Couprie,** Synchrotron SOLEIL, France
	10:30-11:00	***Coffee break***
WG3: X-ray coherent and incoherent imaging diagnostics	11:00-11:30	*Optical metrology with the BEaTriX expanded X-ray facility in INAF-OAB* **Daniele Spiga**, INAF, Brera observatory, Italy
	11:30-12:00	*Imaging Herculaneum papyri with X-ray phase contrast Tomography* **Alessia Cedola,** CNR- Nanotec Rome ITALY
	12:00-12:30	*Recent developments in Edge Illumination X-ray Phase Contrast imaging: large field of view, fast tomographic scans, single mask approaches* **Fabio Vittoria**, UCL, UK
	12:30-13:00	*Combined use of x-ray fluorescence microscopy, phase contrast imaging and nanotomography for high resolution quantitative Fe mapping in inflamed cells* **Chiara Gramaccioni**, Univ. of Cosenza/CNR-Nanotec, Italy
		Snack lunch
WG3: X-ray coherent and incoherent imaging diagnostics	16:30-17:00	*Asbestos bodies in human lungs studied with x-ray imaging techniques* **Fabrizio Bardelli**, CNR-Nanotec, Italy
	17:00-17:30	*Phase contrast tomography for the investigation of SNS diseases* **Lorenzo Massimi,** CNR- Nanotec Rome ITALY
	17:30-18:00	*Nanoparticles excited by X-ray for radiotherapy* **Shady Kobt**, University Lyon 1, France
	18:00-18:10	*Proposal of COST Action* **Lucia Mancini,** Elettra-Sincrotrone Trieste, Italy
WG4 : Damage on X-ray optics	18:10-18:40	*Laser produced plasma soft x-ray effect on plasmid DNA and the antioxidant potential of ascorbic acid (vitamin c)"* **Daniel Adjei**, LOA, France
	18:40-19:10	*Fs laser pulse effects on high reflective metallic thin film* **Gakovic Biljana**, Institute of Nuclear Sciences Vinca, Serbia

Wednesday, 21st September 2016		
WG4 : Damage on X-ray optics	9:00-9:30	*Modelling for X-ray interaction with matter at high intensities* **Manuel Cotelo**, Universidad Politecnica de Madrid, Spain
	9:30-10:00	*Non-linear crater deepening with number of superimposed XUV laser shots* **Karel Kolacek**, Institute of Plasma Physics AS CR, Czech Republic
	10:00-10:30	*Damages to optics exposed to a single pulse and multiple pulses of intense XUV/x-ray radiation: bringing optics from existing large-scale facilities to compact high-reprate sources of new generation* **Libor Juha,** Institute of Physics ASCR, Czech Republic
	10:30-10:50	***Coffee break***
WG5: High brightness and coherent X-ray sources for advanced spatial and temporal metrology	10:50-11:20	*Overview of laser-driven short-wavelength sources at PALS and ELI Beamlines* **Jaroslav Nejdl**, Institute of Physics, ELI-Beamlin, Czech Republic
	11:20-11:50	*Plasma surface metrology at relativistic intensities* **Subhendu Kahaly,** ELI-ALPS, Hungary
	11:50-12:20	*Characterization of pulse duration at the FERMI-FEL* **Eléonore Roussel,** Elettra-Sincrotrone Trieste, Italy
	12:20-12:50	*Development of high-flux High-Order Harmonic Generation* **Victoria Nefedova**, ELI-Beamlines, Czech Republic
	12:50-13:00	*Closing remarks*
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