

IWAA 2016 PROGRAMME

Monday 3 October - Grenoble's art museum -

18:30 - 21:00

Registration & ice breaker at Grenoble's art museum

5 place Lavalette, Grenoble. Access: tram B, stop "Notre-Dame Musée"



Tuesday 4 October - ESRF auditorium -

08:00 - 09:00 Continuation of registration in the ESRF entrance hall

09:00 - 10:00 Opening by ESRF Directorate

R. Dimper,
H. Reichert
ESRF, France

10:00 - 10:30 *Coffee break*

Machines, Beam Lines, Experiments and Detectors (1) – Chair person: D. Martin –

10:30 - 10:45 Geodetic and alignment concepts for PIP-II

V. Bocean,
Fermilab,
USA

10:45 - 11:00 Improvement of alignment and monitoring for cryomodule in CIADS

J. Yuan,
Institute of Modern
Physics, China

11:00 - 11:15 A geodetic reference frame for the VIRGO interferometer

A. Paoli,
European Gravitational
Observatory, Italy

11:15 - 11:30 Alignment aspects of the Mu2e magnetic field mapping system

H. Friedsam,
Fermilab,
USA

11:30 - 11:45 Experience with the Alignment of LINAC4

JF. Fuchs,
CERN,
Switzerland

12:00 - 13:30 *Lunch at the on-site restaurant*

Instrumentation, Software and Methods (1) – Chair person: J. Prenting –

13:30 - 13:45 Evaluation of stretched wire measurements based on photogrammetry in the context of CERN

A. Behrens,
CERN,
Switzerland

13:45 - 14:00 Hydrostatic levelling system going mobile

P. Bestmann,
CERN,
Switzerland

14:00 - 14:15 Exploiting the potential of the hydrostatic levelling system (HLS) at the Swiss Light Source (SLS)

M. Boege,
PSI,
Switzerland

14:15 - 14:30 Laser tracking measurement system based on Femtosecond frequency comb

Z. Zhang,
Chinese Academy of
Sciences, China

14:30 - 14:45 Frequency Scanning Interferometry for CLIC component fiducialisation

SW. Kamugasa,
CERN,
Switzerland

14:45 - 15:30 *Group photo & coffee break*

Survey, Alignment and Monitoring Methods (1) – Chair person: D. Missiaen –

15:30 - 15:45	Uncertainty budgeting for large scale components production and micron precision accelerators pre-alignment as required by CLIC project	IP. Doytchinov, CERN, Switzerland
15:45 - 16:00	Estimation of magnet alignment accuracy for SPring-8 Upgrade using resonance-frequency tracked vibrating wire	K. Fukami, JASRI, Japan
16:00 - 16:15	Analysis of the vertical floor deformation in SPring-8 ring tunnel	H. Kimura, Spring 8, Japan
16:15 - 16:30	Real time measurement in slow displacement of the tunnel floor due to dynamic ground motion at the KEKB injector linac	T. Suwada, KEK, Japan
16:30 - 16:45	Analysis and evaluation of the CERN reference systems	N. Ibarrola Subiza, CERN, Switzerland

17:00 - 19:45: OPTIONAL ACTIVITY

Weather permitting and providing there are at least 15 people interested, price according to the number of participants:



Acrobastille: for detailed information, check the social programme menu of the conference's web site, <http://www.esrf.eu/iwaa2016>

Wednesday 5 October - ESRF auditorium -

Machines, Beam Lines, Experiments and Detectors (2) – Chair person: J. Penicka –

08:30 - 08:45	Re-configuration of the Linac reference system at SLAC	G. Gassner, SLAC, USA
08:45 - 09:00	The Atlas DETector POSitioning system (ADEPO) to control moving parts during ATLAS closure	JC. Gayde, CERN, Switzerland
09:00 - 09:15	Alignment of SuperKEKB main ring magnet system	M. Masuzawa, KEK, Japan
09:15 - 09:30	The survey and alignment of China Spallation Neutron Source	Z. He, Institute of High Energy Physics, China
09:30 - 09:45	Geometry survey of the time-of-flight neutron-elastic scattering (Antonella) experiment	B. Oshinowo Fermilab, USA
10:00 - 10:30	<i>Coffee break</i>	

Science & Alignment at the ESRF – Chair person: H. Friedsam –

10:30 - 10:50	Alignment on the ESRF beamlines	D. Martin ESRF, France
10:50 - 11:15	Science at ID32 UPBL7	F. Yakhou, ESRF, France
11:15 - 11:40	Science at ID16 UPBL4	P. Cloetens, ESRF, France
12:00 - 12:30	<i>Picnic lunch</i>	
12:30 - 14:30	Visit of the ESRF	ESRF communication group
14:45	Departure for Vizille castle	
15:30 - 18:30	Guided visit of the French revolution museum, free time in the castle's gardens	
18:30 - 23:30	A gala evening of fine French flavours...	
23:30	Departure for Grenoble	

Thursday 6 October - ESRF auditorium -

Instrumentation, Software and Methods (2) – Chair person: M. Schloesser –

08:30 - 09:00	New approaches in the use of laser trackers for measurements of geodetic networks	T. Miertsch, GSI, Germany
09:00 - 09:15	Hydrostatic levelling sensors based on extrinsic fibre Fabry-Perot interferometer technology	A. Herty, CERN, Switzerland
09:15 - 09:30	SLRS Finals	J. Prenting, DESY, Germany
09:30 - 09:45	Validation of the crab cavities internal monitoring strategy	V. Rude, ESGT, France
09:45 - 10:00	TSUNAMI – A unified software application for field measurements and alignments in experiments and accelerators at CERN large scale metrology section	P. Sainvitu, CERN, Switzerland
10:00 - 10:30	<i>Coffee break</i>	

Survey, Alignment and Monitoring Methods (2) – Chair person: C. Zhang –

10:30 - 10:45	Straightening of APS LINAC accelerating structures utilizing a portable articulating arm CMM	W. Jansma, ANL, USA
10:45 - 11:00	Survey support to magnetic measurement	M. Ke, Brookhaven National laboratory, USA
11:00 - 11:15	Compensating for the effects of refraction in photogrammetric metrology	S. Kyle, University College London, UK
11:15 - 11:30	An estimation of vertical slow drift between Storage Ring and NANOSCOPIUM long beamline with HLS & beam diagnostics at Synchrotron SOLEIL	A. Lestrade, SOLEIL, France
12:00 - 13:30	<i>Lunch at the on-site restaurant</i>	

Machines, Beam Lines, Experiments and Detectors (3) – Chair person: M. Masuzawa –

13:30 - 13:45	Alignment strategy for APS upgrade	JM. Penicka, ANL, USA
13:45 - 14:00	Survey, alignment and metrology at the European Spallation Source	F. Rey, ESS, Sweden
14:00 - 14:15	IFMIF/EVEDA 125mA CW 9 MeV D+ Linac alignment status and potential improvements	F. Scantamburlo, IFMIF/EVEDA, Switzerland
14:15 - 14:30	Alignment and stability of the TPS storage ring auto-tuning girder system	T. Tseng, NSRRC, Taiwan
14:30 - 14:45	The application of smoothing in NSLS-II	C. Yu, BNL, USA
15:00 - 15:30	<i>Coffee break</i>	
15:30 - 17:30	Poster session & light cocktail	ESRF entrance hall & mezzanine



Friday 7 October - ESRF auditorium -

Instrumentation, Software and Methods (3) – Chair person: G. Gassner –

08:30 - 09:00	A rotary mount for submicrometric positioning of a stretched wire axis within a coordinate measuring machine	C. Sanz, CERN, Switzerland
09:00 - 09:15	Alignment database at DESY	M. Schlösser, DESY, Germany
09:15 - 09:30	Recent development of micro-triangulation for magnet fiducialization	V. Vlachakis, CERN, Switzerland
09:30 - 09:45	An Eigenfrequency wire alignment system under development for magnet fiducialization	C. Zhang, JASRI, Japan
09:45 - 10:00	Online monitoring of the ADS test cryomodule cold mass with WPM	H. Zhu, IHEP, China
10:00 - 10:30	<i>Coffee break</i>	

Survey, Alignment and Monitoring Methods (3) – Chair person: C. Curtis –

10:30 - 10:45	Laser Scanning for the replacement of EVB2 in the ISIS Synchrotron	T. Millington, ISIS, UK
10:45 - 11:00	Smoothing the LHC during the long shut-down 1	D. Missiaen, CERN, Switzerland
11:00 - 11:15	Measuring through glass windows with laser tracker under cold-vacuum conditions: investigations and results	V. Velonas, GSI, Germany
11:15 - 11:30	Mechanical concept of alignment mechanisms at MAX IV Laboratory	B. Sommarin, MAX IV, Sweden
11:30 - 12:00	Workshop wrap-up	H. Friedsam, Fermilab, USA
12:00 - 13:30	<i>Lunch at the on-site restaurant</i>	

