

DETAILED PROGRAM OF THE WORKSHOP – FINAL VERSION

Day/time	Presenting author	Laboratory	Title of the session / presentation
MONDAY			
Session 1: General activities in magnetic measurement laboratories			
9.00			Presentation of the workshop
9.30	S.Sanfilippo	PSI	Status of the magnet and of the undulator activities for the X ray Free Electron Laser SwissFEL at the Paul Scherrer Institute
10.00	A. Grau	ANKA	Measurement Devices for Magnetic Fields of Superconducting Undulator Coils at ANKA
10.30			Coffee break
11.00	C. S. Hwang	NSRRC	Overall of the magnet measurement system at NSRRC
11.30	S. Russenschuck	CERN	Measurement challenges for the magnet projects at CERN
12.00	S. Anderson	SLAC	Overview of Magnetic Measurements at SLAC National Accelerator Lab
12.30			LUNCH
15.00	A. Jain	BNL	Production Measurements of Magnets for the NSLS-II Storage Ring
15.30	T. Tanabe	BNL	Insertion device magnetic measurement facility at the NSLS-II
16.00	H. Wang	SSRF	Overview of Magnetic Measurement Activities at Shanghai Synchrotron Radiation Facility
16.30			Coffee break
17.00	J. Di Marco	Fermilab	Overview of Recent Fermilab Magnetic Measurements Activities
17.30	K. Baggett	Jefferson Lab	JLAB 12GeV Upgrade Measurement Overview
18.00	T. Zickler	CERN	Design, manufacturing and measurement of the magnets for MedAustron
TUESDAY			
Session 2: Rotating coil measurements			
9.00	O. Dunkel	CERN	A Rotating Coil Array in "Mono-Bloc" Printed Circuit Technology for Small Scale Harmonic Measurements at CERN.
9.30	L. Fiscarelli	CERN	The new Fast Digital Integrator with increased throughput and upgraded self-calibration
10.00	L. Fiscarelli	CERN	In situ calibration of rotating shafts : accuracy obtained for 15 m long LHC shaft and 18 mm aperture Linac4 shaft
10.30	J. Di Marco	Fermilab	An Encapsulated Rotating-coil Test System at Fermilab
11.00			Coffee break
Session 3: New developments in laboratory measurement systems			
11.30	J. M. Nogiec	FNAL	Towards the Next Generation Magnetic Measurement System
12.00	J. Campmany	ALBA-CELLS	Design of a new measurement system for closed insertion devices and magnets
12.30			LUNCH
15.00	J. Di Marco	Fermilab	Rotating Printed-Circuit-Board Probe Measurements
15.30	A. Beaumont	CERN	Magnetic measurement instrument with Printed Circuit Board coils for the MedAustron synchrotron main bending magnets
16.00	M. Buzio	CERN	Use of ferrimagnetic resonance probes for field markers in pulsed and non-homogeneous fields
16.30			Coffee break
17.00	A. Jain	BNL	Plans for Measurement of Field Straightness in the Solenoids for the Electron Lens System for RHIC
17.30	R. Chritin	CERN	Measuring eddy current contributions in normal conducting magnets
WEDNESDAY			
VISIT TO ALBA SYNCHROTRON LIGHT SOURCE			
9.00	D. Einfeld	ALBA-CELLS	Presentation of ALBA
9.30			Coffee break
10.00			Guided visit to ALBA accelerators
11.30			Guided visit to ALBA magnetic measurements laboratory
12.00			LUNCH
Session 4: Hall probe measurements			
14.30	Y. Levashov	SLAC	Comparison of Arepoc and Sentron Hall Sensors using Undulator A at the APS magnetic measurement facility
15.00	U. Englisch	E-XFEL	Influence of an ambient field on an undulator with iron support structure
15.30	A. Liebram	E-XFEL	Comparative study between mechanic and magnetic measurements of gap dependent hysteresis
16.00	J. Marcos	ALBA-CELLS	Characterization of ALBA out-vacuum undulators and wiggler using Hall probe system. Some remarks.
16.30			Coffee break
Session 5: Theory, models and measurements			
17.00	V. Massana	ALBA-CELLS	Measurements of permanent magnet blocks for undulators and modellization of their inhomogeneities
17.30	M. J. Leray	SIGMA-PHI	Magnetic measurement at Sigmaphi
18.00	S. Russenschuck	CERN	The Faraday paradox and its implication for magnetic measurements
THURSDAY			
Session 6: Stretched wire measurements			
9.00	G. Le Bec	ESRF	Stretched-wire measurements of multipole magnets at the ESRF
9.30	V. Vrankovic	PSI	Experiences with the single stretched vibrating wire test stand at PSI
10.00	C. Petrone	CERN	Measuring axis and multipoles of small aperture quadrupoles with vibrating wires
10.30			Coffee break
11.00	Y. Levashov	SLAC	A study of undulator magnets characterization using the vibrating wire technique
11.30	A. Jain	BNL	Precision Alignment of Multipoles on a Girder for NSLS-II
12.00	J. Garcia Perez	CERN	Measurements of small aperture quadrupoles for the Linac4 and CLIC projects
12.30			LUNCH
BARCELONA CITY TOUR			
15.00			Guided visit of Gaudi's masterpiece "Sagrada Familia"
17.00			Guided visit of old medieval city of Barcelona
20.00			Gala dinner at can Cortada
FRIDAY			
Session 7: New developments from industry			
9.00	J. Tinembart	METROLAB	Fast Digital Integrator Upgrade
9.30	P. Keller	METROLAB	Three-axis Hall Magnetometer Evolution
10.00	R. Popovic	SENIS	Hall Teslameter with NMR-like Accuracy
10.30			Coffee break
Final session			
11.00	L. Walckiers	CERN	History and trends of IMMW
11.30			Conclusions and final remarks