

**18th International Magnetic
Measurement Workshop
(IMMW18)**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Measurement challenges at CERN

Monday, 3 June 2013 09:30 (30 minutes)

Primary author: RUSSENSCHUCK, Stephan (CERN)

Presenter: RUSSENSCHUCK, Stephan

Session Classification: Overview 1

Contribution ID: 2

Type: **not specified**

Overview of the activities and challenges of the magnet section at the Paul Scherrer Institut

Monday, 3 June 2013 10:00 (30 minutes)

Primary author: SANFILIPPO, Stephane (PSI)

Presenter: SANFILIPPO, Stephane (PSI)

Session Classification: Overview 1

Contribution ID: 3

Type: **not specified**

Magnetic Measurements At SLAC

Monday, 3 June 2013 11:00 (30 minutes)

Primary author: WOLF, Zachary (SLAC)

Presenter: WOLF, Zachary (SLAC)

Session Classification: Overview 1

Contribution ID: 4

Type: **not specified**

Magnet Mass Production and Field Measurements Results for TPS

Monday, 3 June 2013 11:30 (30 minutes)

Primary author: HWANG, Ching-Shiang (NSRRC)

Co-authors: CHANG, C. H. (NSRRC); YANG, C. S. (NSRRC); KUO, C. Y. (NSRRC); LIN, F. Y. (NSRRC); CHEN, H. H. (NSRRC); HUANG, H. M. (NSRRC); JAN, J. C. (NSRRC)

Presenter: HWANG, Ching-Shiang (NSRRC)

Session Classification: Overview 1

Contribution ID: 5

Type: **not specified**

Measurement of the Superconducting Magnets for the XFEL Project at DESY

Monday, 3 June 2013 12:00 (30 minutes)

Primary author: BRUECK, Heiner (DESY)

Presenter: BRUECK, Heiner (DESY)

Session Classification: Overview 1

Contribution ID: 6

Type: **not specified**

Magnets for a new low emittance storage ring at The ESRF

Monday, 3 June 2013 14:30 (30 minutes)

Primary author: CHAVANNE, Joel (ESRF)

Co-authors: BOUTELLE, F. (ESRF); LE BEC, Gael (ESRF); N'GOTTA, Patrick (ESRF)

Presenter: CHAVANNE, Joel (ESRF)

Session Classification: Overview 2

Contribution ID: 7

Type: **not specified**

Magnetic measurements at ALBA: General status.

Monday, 3 June 2013 15:00 (30 minutes)

Primary author: CAMPMANY, Josep (ALBA)

Presenter: CAMPMANY, Josep (ALBA)

Session Classification: Overview 2

Contribution ID: 8

Type: **not specified**

Magnet measurements for the JLab 12GeV upgrade

Monday, 3 June 2013 15:30 (30 minutes)

Primary author: BAGETT, KEN (TJNAF)

Presenter: BAGETT, Ken (TJNAF)

Session Classification: Overview 2

Contribution ID: 9

Type: **not specified**

Update on Metrolab's new developments

Monday, 3 June 2013 16:30 (30 minutes)

Primary author: KELLER, Philip (Metrolab)

Presenter: KELLER, Philip (Metrolab)

Session Classification: Overview 2

Contribution ID: **10**

Type: **not specified**

Measurement challenges for the CLIC study

Tuesday, 4 June 2013 09:00 (30 minutes)

Primary author: GARCIA PEREZ, Juan (CERN)

Presenter: GARCIA PEREZ, Juan (CERN)

Session Classification: Overview 3

Contribution ID: 11

Type: **not specified**

Overview of LBNL magnetic measurement activities

Primary author: MADUR, Arnaud (LBNL)

Presenter: MADUR, Arnaud (LBNL)

Contribution ID: 12

Type: **not specified**

Overview of magnetic measurements at Danfysik

Tuesday, 4 June 2013 09:30 (30 minutes)

Primary author: OSTENFELD, Christopher (Danfysik)

Presenter: OSTENFELD, Christopher (Danfysik)

Session Classification: Overview 3

Contribution ID: 13

Type: **not specified**

DC&AC Magnetic Field Measurement of the CSNS/RCS Quadrupole Magnet

Primary author: ZHOU, Jianxin

Presenter: ZHOU, Jianxin (IHEP)

Contribution ID: 14

Type: **not specified**

Magnetic measurement of superconducting magnets with the FAME system

Tuesday, 4 June 2013 11:30 (30 minutes)

Primary author: FISCARELLI, Lucio (CERN)

Co-authors: DEFERNE, Guy (CERN); WALCKIERS, L. (CERN); DUNKEL, Olaf (CERN); ARPAIA, Pasquale (CERN)

Presenter: FISCARELLI, Lucio

Session Classification: Measurement Reports 1

Contribution ID: 15

Type: **not specified**

Mu2e Magnetic Measurements

Tuesday, 4 June 2013 12:00 (30 minutes)

Primary author: BUEHLER, Marc (Fermilab)

Presenter: BUEHLER, Marc (Fermilab)

Session Classification: Measurement Reports 1

Contribution ID: 16

Type: **not specified**

Magnetic Measurements of MEDAUSTRON Quadrupole Magnets and Comparison with CERN Measurements

Tuesday, 4 June 2013 11:00 (30 minutes)

Primary author: LERAY, Marie-Julie (SigmaPhi)

Presenter: LERAY, Marie-Julie (Sigma Phi)

Session Classification: Measurement Reports 1

Contribution ID: 17

Type: **not specified**

Status of the magnetic measurements for the MedAustron project

Tuesday, 4 June 2013 10:00 (30 minutes)

Primary author: GOLLUCCIO, Giancarlo (CERN)

Co-authors: BEAUMONT, A. (CERN); VOROZHTSOV, A.; STOCKNER, M. (CERN); BUZIO, Marco (CERN); CHRITIN, R. (CERN)

Presenter: GOLLUCCIO, Giancarlo (MedAustron)

Session Classification: Overview 3

Contribution ID: **18**

Type: **not specified**

Recent advances in pulsed-mode measurements at CERN

Tuesday, 4 June 2013 14:00 (30 minutes)

Primary author: CHRITIN, Regis (CERN)

Co-authors: BEAUMONT, A. (CERN); GILOTEAUX, D. (CERN); OBERSON, D. (CERN); GOLLUCIO, G. (CERN); BUZIO, Marco (CERN); SELVA, V. della (CERN)

Presenter: CHRITIN, Regis (CERN)

Session Classification: Measurement Reports 2

Contribution ID: 19

Type: **not specified**

Measurements of MAX-IV girder systems

Tuesday, 4 June 2013 14:30 (30 minutes)

Primary author: OSTENFELD, Christopher (Danfysik)

Presenter: OSTENFELD, Christopher (Danfysik)

Session Classification: Measurement Reports 2

Contribution ID: 20

Type: **not specified**

Review of production measurements by BSL for NSLS-II storage ring magnets

Primary author: JONES, Tobin (Buckley Systems)

Presenter: JONES, Tobin (Buckley Systems)

Contribution ID: 21

Type: **not specified**

Production Measurements for NSLS-II: Lessons Learned

Tuesday, 4 June 2013 15:00 (30 minutes)

Primary author: JAIN, Animesh (BNL)

Presenter: JAIN, Animesh (BNL)

Session Classification: Measurement Reports 2

Contribution ID: 22

Type: **not specified**

Novel Design of a Miniature Highly Accurate Three-Axis Hall Sensor

Tuesday, 4 June 2013 17:00 (30 minutes)

Primary author: WOUTERS, Christina (PSI)

Presenter: WOUTERS, Christina (PSI)

Session Classification: Hall/NMR

Contribution ID: 23

Type: **not specified**

The details of Senis Hall probe calibration limitations

Tuesday, 4 June 2013 16:30 (30 minutes)

Primary author: VASSERMAN, Isaac (Argonne)

Co-authors: XU, Joseph (Argonne); STRELNIKOV, Nikita (Argonne)

Presenter: VASSERMAN, Isaac (Argonne)

Session Classification: Hall/NMR

Contribution ID: 24

Type: **not specified**

Looking for a Hall probe bench for closed big magnetic structures

Tuesday, 4 June 2013 16:00 (30 minutes)

Primary author: CAMPMANY, Josep (ALBA)

Presenter: CAMPMANY, Josep (ALBA)

Session Classification: Hall/NMR

Contribution ID: 25

Type: **not specified**

The theory of the vibrating wire system

Wednesday, 5 June 2013 09:00 (30 minutes)

Primary author: RUSSENSCHUCK, Stephan (CERN)

Co-authors: PETRONE, C. (CERN); BUZIO, Marco (CERN); KOESTER, O. (CERN)

Presenter: RUSSENSCHUCK, Stephan (CERN)

Session Classification: Wire Based Measurements

Contribution ID: 26

Type: **not specified**

Single-stretched wire and vibrating-wire measurements at CERN

Wednesday, 5 June 2013 09:30 (30 minutes)

Primary author: DEFERNE, Guy (CERN)

Co-authors: PETRONE, C. (CERN); GARCIA PEREZ, Juan (CERN); WALCKIERS, Louis (CERN); ARPAIA, Pasquale (CERN); RUSSENSCHUCK, Stephan (CERN)

Presenter: DEFERNE, Guy (CERN)

Session Classification: Wire Based Measurements

Contribution ID: 27

Type: **not specified**

Stretched wire measurements of magnet girders

Wednesday, 5 June 2013 10:00 (30 minutes)

Primary author: LE BEC, Gael (ESRF)

Presenter: LE BEC, Gael

Session Classification: Wire Based Measurements

Contribution ID: 28

Type: **not specified**

Measurements of SOLEIL insertion devices using the pulsed wire method

Wednesday, 5 June 2013 11:00 (30 minutes)

Primary author: VALLEAU, Mathieu (SOLEIL)

Presenter: VALLEAU, Mathieu (SOLEIL)

Session Classification: Insertion Devices 1

Contribution ID: 29

Type: **not specified**

Using an in-situ field measurement system to measure the magnetic field of the in-vacuum undulator

Wednesday, 5 June 2013 11:30 (30 minutes)

Primary author: YANG, Chin-Kang (NSRRC)

Presenter: YANG, Chin-Kang (NSRRC)

Session Classification: Insertion Devices 1

Contribution ID: 30

Type: **not specified**

Investigation of the Earth Field Effect on the Insertion Device performance at the Advanced Photon Storage Ring

Thursday, 6 June 2013 09:00 (30 minutes)

Primary author: VASSERMAN, Isaac (Argonne)

Co-author: STRELNIKOV, Nikita (Argonne)

Presenter: VASSERMAN, Isaac (Argonne)

Session Classification: Insertion Devices 2

Contribution ID: 31

Type: **not specified**

Magnetic Measurement Results of the first APS Superconducting Undulator

Thursday, 6 June 2013 11:00 (30 minutes)

Primary author: DOOSE, Chuck (Argonne)

Presenter: DOOSE, Chuck (Argonne)

Session Classification: Insertion Devices 3

Contribution ID: 32

Type: **not specified**

Magnetic measurements and tuning of FLASH II undulators

Thursday, 6 June 2013 09:30 (30 minutes)

Primary author: VAGIN, Pavel (DESY)

Presenter: VAGIN, Pavel (DESY)

Session Classification: Insertion Devices 2

Contribution ID: 33

Type: **not specified**

The Tuning of APPLE Device with Shimming

Thursday, 6 June 2013 10:00 (30 minutes)

Primary author: ABLIZ, Melike (Argonne)

Co-author: VASSERMAN, Isaac (Argonne)

Presenter: ABLIZ, Melike (Argonne)

Session Classification: Insertion Devices 2

Contribution ID: 34

Type: **not specified**

Long Term Monitoring of the LCLS-I Undulators

Thursday, 6 June 2013 11:30 (30 minutes)

Primary author: LEVASHOV, Yurii (SLAC)

Presenter: LEVASHOV, Yurii (SLAC)

Session Classification: Insertion Devices 3

Contribution ID: 35

Type: **not specified**

Magnetic Field Measurement Devices for Superconducting Undulator Coils at ANKA

Thursday, 6 June 2013 14:30 (30 minutes)

Primary author: GROU, Andreas (Karlsruhe)

Co-authors: SAEZ DE JAUREGUI, D. (Karlsruhe); GLAMANN, N. (Karlsruhe); CASALBUONI, S. (Karlsruhe); GERSTL, S. (Karlsruhe); HOLUBEK, T. (Karlsruhe)

Presenter: GRAU, Andreas (Karlsruhe)

Session Classification: Instruments 1

Contribution ID: 36

Type: **not specified**

Standardization of the CERN Equipment to cope with the Magnetic Measurement Requests from a Variety of Accelerator Projects

Thursday, 6 June 2013 15:30 (30 minutes)

Primary author: DUNKEL, Olaf (CERN)

Co-authors: BEAUMONT, A. (CERN); GOLLUCIO, G. (CERN); GABORIT, L. (CERN); EBBENI, M. (CERN); BELTRON, R. (CERN)

Presenter: DUNKEL, Olaf (CERN)

Session Classification: Instruments 1

Contribution ID: 37

Type: **not specified**

A 100-ppm Cryogenic DC Current Transformer for 100-kA Superconducting Cable Testing

Thursday, 6 June 2013 16:30 (30 minutes)

Primary author: ARPAIA, Pasquale (CERN)

Co-authors: BALLARINO, A. (CERN); MONTENERO, G. (CERN); BOTTURA, L. (CERN)

Presenter: ARPAIA, Pasquale (CERN)

Session Classification: Instruments 1

Contribution ID: **38**

Type: **not specified**

Preliminary metrological characterization of the Fast Digital Integrator FDI-V5

Thursday, 6 June 2013 17:00 (30 minutes)

Primary author: FISCARELLI, Lucio (CERN)

Co-authors: WALCKIERS, L. (CERN); ARPAIA, Pasquale (CERN)

Presenter: FISCARELLI, Lucio (CERN)

Session Classification: Instruments 1

Contribution ID: 39

Type: **not specified**

Multimode Digital integrators with rigid triggering

Thursday, 6 June 2013 17:30 (30 minutes)

Primary author: VAGIN, Pavel (DESY)

Co-authors: BATRAKOV, A. (BINP); PAVLENKO, A. (BINP); SHICHKOV, D. (BINP); ILYIN, I. (BINP)

Presenter: VAGIN, Pavel (DESY)

Session Classification: Instruments 1

Contribution ID: 40

Type: **not specified**

Application of PCB and FDM Technologies for Magnetic Measurement Probe Development

Friday, 7 June 2013 09:30 (30 minutes)

Primary author: DIMARCO, Joseph (Fermilab)

Presenter: DIMARCO, Joseph (Fermilab)

Session Classification: Instruments 2

Contribution ID: 41

Type: **not specified**

Calibration and performance of the rotating coil system for CERN Linac4 quadrupoles

Primary author: BUZIO, Marco (CERN)

Co-authors: GILOTEAUX, D. (CERN); GOLLUCCIO, G. (CERN); DUNKEL, Olaf (CERN); BELTRON, R. (CERN); KASAEI, S. (CERN)

Presenter: BUZIO, Marco (CERN)

Contribution ID: 42

Type: **not specified**

A flipping-coil field measurement system for the CSNS/RCS dipole magnet

Friday, 7 June 2013 11:00 (30 minutes)

Primary author: YANG, Mei (IHEP)

Co-authors: GUI YIN, Bao (IHEP); CHEN, Wan (IHEP); KANG, Wen (IHEP)

Presenter: YANG, Mei (IHEP)

Session Classification: Instruments 2

Contribution ID: 43

Type: **not specified**

Safety and health impact of magnetic fields

Friday, 7 June 2013 11:30 (30 minutes)

Primary author: BUZIO, Marco (CERN)

Presenter: BUZIO, Marco (CERN)

Session Classification: Instruments 2

Contribution ID: 44

Type: **not specified**

Close Out

Friday, 7 June 2013 12:00 (30 minutes)

Session Classification: Instruments 2

Contribution ID: 45

Type: **not specified**

Welcome

Monday, 3 June 2013 09:00 (15 minutes)

Primary author: WANDERER, Peter (BNL)

Presenter: WANDERER, Peter (BNL)

Session Classification: Welcome and Opening Remarks

Contribution ID: 46

Type: **not specified**

Opening Remarks

Monday, 3 June 2013 09:15 (15 minutes)

Primary author: JAIN, Animesh (BNL)

Presenter: JAIN, Animesh (BNL)

Session Classification: Welcome and Opening Remarks

Contribution ID: 47

Type: **not specified**

Real-time magnetic field control applications at CERN: an update

Friday, 7 June 2013 10:00 (30 minutes)

Primary author: BUZIO, Marco (CERN)

Co-authors: GILOTEAUX, D (CERN); OBERSON, D (CERN)

Presenter: BUZIO, Marco (CERN)

Session Classification: Instruments 2

Contribution ID: 48

Type: **not specified**

DC&AC Magnetic Field Measurement of the CSNS/RCS Quadrupole Magnet

Thursday, 6 June 2013 15:00 (30 minutes)

Presenter: ZHOU, Jianxin (IHEP, China)

Session Classification: Instruments 1