

Advanced Low Emittance Rings Technology (ALERT) 2016 Workshop



Report of Contributions

Contribution ID: 9

Type: **not specified**

Welcome

Wednesday, September 14, 2016 8:45 AM (15 minutes)

From the President and CEO of Elettra - Sincrotrone Trieste

Presenter: Prof. FRANCIOSI, Alfonso (Elettra)

Contribution ID: **10**

Type: **not specified**

Highlights from MAX IV commissioning and operation

Wednesday, September 14, 2016 9:00 AM (30 minutes)

Presenter: Dr TAVARES, Pedro (MAX IV)

Session Classification: General Session

Contribution ID: **11**

Type: **not specified**

ESRF II

Wednesday, September 14, 2016 9:30 AM (30 minutes)

Presenter: Prof. EINFELD, Dieter (ESRF)

Session Classification: General Session

Contribution ID: 12

Type: **not specified**

Sirius and Sirius magnets

Wednesday, September 14, 2016 10:00 AM (30 minutes)

Presenter: Mr CITADINI, James (LNLS)

Session Classification: General Session

Contribution ID: 13

Type: **not specified**

BESSY-VSR-Project

Wednesday, September 14, 2016 10:30 AM (30 minutes)

Summary

Presenter: Dr RUPRECHT, Martin (BESSY)

Session Classification: General Session

Contribution ID: 14

Type: **not specified**

Super-conducting Undulators at ANL

Wednesday, September 14, 2016 11:30 AM (25 minutes)

Presenter: Mr FUERST, Joel (ANL)

Session Classification: Insertion devices

Contribution ID: 15

Type: **not specified**

Planar superconducting undulator with neutral pole: test results of the prototype

Wednesday, September 14, 2016 11:55 AM (25 minutes)

Presenter: Dr MEZENTSEV, Nikolay (BINP)

Session Classification: Insertion devices

Contribution ID: 16

Type: **not specified**

Fixed gap undulators and performance

Wednesday, September 14, 2016 12:20 PM (25 minutes)

Presenter: Mr DIVIACCO, Bruno (Elettra)

Session Classification: Insertion devices

Contribution ID: 17

Type: **not specified**

Discussion

Wednesday, September 14, 2016 12:45 PM (15 minutes)

Session Classification: Insertion devices

Contribution ID: **18**

Type: **not specified**

MAX IV 3 GeV ring magnet

Wednesday, September 14, 2016 2:30 PM (25 minutes)

Presenter: Mr JOHANSSON, Martin (MAX IV)

Session Classification: Magnets

Contribution ID: 19

Type: **not specified**

Magnets for DDBA and lessons learned for Diamond-II

Wednesday, September 14, 2016 2:55 PM (25 minutes)

Presenter: Mr SHAHVEH, Abolfazl (Diamond)

Session Classification: Magnets

Contribution ID: 20

Type: **not specified**

Magnets for Elettra 2.0

Wednesday, September 14, 2016 3:20 PM (25 minutes)

Presenter: Mr CASTRONOVO, Davide (Elettra)

Session Classification: Magnets

Contribution ID: 21

Type: **not specified**

Discussion

Wednesday, September 14, 2016 3:45 PM (15 minutes)

Session Classification: Magnets

Contribution ID: 22

Type: **not specified**

Dipoles with longitudinally variable field for CLIC damping rings

Wednesday, September 14, 2016 4:30 PM (25 minutes)

Presenter: DOMINGUEZ, Manuel (CIEMAT)

Session Classification: Magnets & alignment

Contribution ID: 23

Type: **not specified**

NbTi wiggler tests at ANKA

Wednesday, September 14, 2016 4:55 PM (25 minutes)

Presenter: BERNHARD, Axel (ANKA)

Session Classification: Magnets & alignment

Contribution ID: 24

Type: **not specified**

Vibrating wire method and hall probe measurements for combined function magnets (DQ) alignment

Wednesday, September 14, 2016 5:20 PM (25 minutes)

Presenter: Dr TEMNYKH, Alexander (Cornell)

Session Classification: Magnets & alignment

Contribution ID: 25

Type: **not specified**

Discussion

Wednesday, September 14, 2016 5:45 PM (15 minutes)

Session Classification: Magnets & alignment

Contribution ID: 26

Type: **not specified**

Production of round beams

Thursday, September 15, 2016 9:00 AM (30 minutes)

Presenter: Dr KUSKE, Peter (HZB - BESSY)

Session Classification: Beam transfer systems

Contribution ID: 27

Type: **not specified**

Development of Multipole Injection Kicker for SOLEIL and MAX IV

Thursday, September 15, 2016 9:30 AM (25 minutes)

Presenter: Mr LEBASQUE, Pierre (Soleil)

Session Classification: Beam transfer systems

Contribution ID: 28

Type: **not specified**

Stripline kicker development at ALS

Thursday, September 15, 2016 9:55 AM (25 minutes)

Presenter: Dr STEIER, Cristoph (LBL)

Session Classification: Beam transfer systems

Contribution ID: 29

Type: **not specified**

Transient studies of the stripline kicker for beam extraction from the CLIC damping rings

Thursday, September 15, 2016 10:20 AM (25 minutes)

Presenter: Dr BELVER AGUILAR, Carolina (CERN)

Session Classification: Beam transfer systems

Contribution ID: **30**

Type: **not specified**

Inductive adders ultra-stable kicker pulse generation

Thursday, September 15, 2016 10:45 AM (25 minutes)

Presenter: HOLMA, Janne (CERN)

Session Classification: Beam transfer systems

Contribution ID: **31**

Type: **not specified**

MAX IV RF systems

Thursday, September 15, 2016 11:30 AM (25 minutes)

Presenter: Dr MALMGREN, Lars (MAX IV)

Session Classification: RF systems and power

Contribution ID: 32

Type: **not specified**

Conceptual design of a 2GHz RF system for the CLIC DRs

Thursday, September 15, 2016 11:55 AM (25 minutes)

Presenter: Dr GRUDIEV, Alexej (CERN)

Session Classification: RF systems and power

Contribution ID: 33

Type: **not specified**

State-of-the-art RF solid state power amplifiers

Thursday, September 15, 2016 12:20 PM (25 minutes)

Presenter: Mr DIOP, ON BEHALF OF P. MARCHAND, Massamba (Soleil)

Session Classification: RF systems and power

Contribution ID: **34**

Type: **not specified**

Discussion

Thursday, September 15, 2016 12:45 PM (15 minutes)

Session Classification: RF systems and power

Contribution ID: 35

Type: **not specified**

Fast orbit Feedback for ESRF-EBS

Thursday, September 15, 2016 2:30 PM (25 minutes)

Presenter: Mr ROCHE, Benoit (ESRF)

Session Classification: Feedback systems and Engineering

Contribution ID: 36

Type: **not specified**

Application of wide-band feedback systems for low emittance rings

Thursday, September 15, 2016 2:55 PM (25 minutes)

Presenter: Dr FOX, John (SLAC)

Session Classification: Feedback systems and Engineering

Contribution ID: 37

Type: **not specified**

Engineering for DDBA and lessons learned for Diamond-II

Thursday, September 15, 2016 3:20 PM (35 minutes)

Presenter: Mr HAMMOND, Nigel (Diamond)

Session Classification: Feedback systems and Engineering

Contribution ID: **38**

Type: **not specified**

Risk assessment for the ESRF II

Thursday, September 15, 2016 3:55 PM (25 minutes)

Presenter: Prof. EINFELD, Dieter (ESRF)

Session Classification: Feedback systems and Engineering

Contribution ID: 39

Type: **not specified**

Discussion

Thursday, September 15, 2016 4:20 PM (10 minutes)

Session Classification: Feedback systems and Engineering

Contribution ID: 40

Type: **not specified**

Ultra-low vertical emittance measurements in the Australian Light Source

Friday, September 16, 2016 8:30 AM (25 minutes)

Presenter: Prof. BOLAND, Mark (Australian Synchrotron)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 41

Type: **not specified**

Conceptual design of X-ray interferometer for extremely apparent small beam size in FCC-ee and beam halo measurement with coronagraph for HL LHC

Friday, September 16, 2016 8:55 AM (25 minutes)

Presenter: Prof. MITSUHASHI, Toshiyuki (KEK)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 42

Type: **not specified**

Ultra-short bunch length diagnostics

Friday, September 16, 2016 9:20 AM (25 minutes)

Presenter: BERNHARD, Axel (KIT-ANKA)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 43

Type: **not specified**

Laser engineered surfaces

Friday, September 16, 2016 9:45 AM (25 minutes)

Presenter: Prof. ABDOLVAND, Amin (Dundee University)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 44

Type: **not specified**

Experience with coating of low gap chambers

Friday, September 16, 2016 10:10 AM (25 minutes)

Presenter: KERSEVAN, Roberto (CERN)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 45

Type: **not specified**

Discussion

Friday, September 16, 2016 10:35 AM (10 minutes)

Session Classification: Diagnostics, Instrumentation and coating

Contribution ID: 46

Type: **not specified**

MAX IV 3 GeV ring vacuum system

Friday, September 16, 2016 11:00 AM (25 minutes)

Presenter: Mr GRABSKI , Marek (MAX IV)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 47

Type: **not specified**

Vacuum systems for DDBA and lessons learned for Diamond-II

Friday, September 16, 2016 11:25 AM (25 minutes)

Presenter: Dr COX, Matthew (Diamond)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 48

Type: **not specified**

Experience and future trends of Harmonic RF systems

Friday, September 16, 2016 11:50 AM (25 minutes)

Presenter: Dr BYRD, John (LBL)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 49

Type: **not specified**

Transverse and horizontal beam size diagnostics with visible SR

Friday, September 16, 2016 12:15 PM (25 minutes)

Presenter: Dr ANDERSSON, Åke (MAX IV)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 50

Type: **not specified**

Particle Accelerator Components' Metrology and Alignment to the Nanometre scale (PACMAN)

Friday, September 16, 2016 12:40 PM (25 minutes)

Presenter: MODENA, Michele (CERN)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 51

Type: **not specified**

Discussion

Friday, September 16, 2016 1:05 PM (10 minutes)

Session Classification: Vacuum and other Key technologies and engineering

Contribution ID: 52

Type: **not specified**

SAES group activity in accelerator technology

Friday, September 16, 2016 2:30 PM (15 minutes)

Presenter: Mr MANINI, Paolo (SAES Getters SpA)

Session Classification: Collaboration with industry

Contribution ID: 53

Type: **not specified**

Discussion

Session Classification: Collaboration with industry

Contribution ID: 54

Type: **not specified**

Summary talk

Friday, September 16, 2016 4:30 PM (30 minutes)

Session Classification: Summary and close out

Contribution ID: 55

Type: **not specified**

Discussion and close-out

Friday, September 16, 2016 5:00 PM (1 hour)

Session Classification: Summary and close out

Contribution ID: 56

Type: **not specified**

Strumenti scientifici CINEL: a reliable supplier for products as well as a skillful partner for R&D projects

Friday, September 16, 2016 2:45 PM (15 minutes)

Presenter: Dr SIGNORATO, Riccardo (CINEL)

Session Classification: Collaboration with industry

Contribution ID: 57

Type: **not specified**

KYMA: a success story of technology transfer and strategic partnerships

Friday, September 16, 2016 3:30 PM (15 minutes)

Presenter: Dr RAFFAELLA, Geometrante (KYMA)

Session Classification: Collaboration with industry

Contribution ID: 58

Type: **not specified**

SiC MOSFET & Diode Roadmap

Friday, September 16, 2016 3:00 PM (15 minutes)

Presenter: Mr KNITTERSCHEIDT, Wolfgang (eurocomp)

Session Classification: Collaboration with industry

Contribution ID: 59

Type: **not specified**

Superconducting undulators

Friday, September 16, 2016 3:15 PM (15 minutes)

Presenter: BOFFO, Cristian (Babcock Noell GmbH)

Session Classification: Collaboration with industry

Contribution ID: **60**

Type: **not specified**

Tunga Lyft - Installations at MAXIV

Friday, September 16, 2016 3:45 PM (15 minutes)

Presenter: Mr TORSTENI, Olle (Tunga Lyft)

Session Classification: Collaboration with industry