

Low Emittance Rings workshop 2016

Report of Contributions

Contribution ID: 1

Type: **not specified**

Commissioning Progress at the MAXIV 3 GeV Storage Ring

Wednesday, 26 October 2016 09:00 (25 minutes)

Presenter: Dr LEEMANN, Simon (MAX IV Laboratory / Lund University)

Session Classification: LERD session (Part I)

Contribution ID: 2

Type: **not specified**

Progress on the SIRIUS project

Wednesday, 26 October 2016 09:25 (25 minutes)

Presenter: Mr DE SÀ, Fernando Enrique (SIRIUS)

Session Classification: LERD session (Part I)

Contribution ID: 3

Type: **not specified**

SOLEIL upgrade ideas

Wednesday, 26 October 2016 09:50 (25 minutes)

Presenter: Dr NADJI, Amor (Synchrotron SOLEIL)

Session Classification: LERD session (Part I)

Contribution ID: 4

Type: **not specified**

Lattice and Single-Particle Beam Dynamics for the APS Upgrade

Wednesday, 26 October 2016 10:15 (25 minutes)

Presenter: Dr LINDBERG, Ryan (Argonne National Lab)

Session Classification: LERD session (Part I)

Contribution ID: 5

Type: **not specified**

Low Emittance Upgrade of CESR for CHESS

Wednesday, 26 October 2016 10:40 (25 minutes)

Presenter: Dr CRITTENDEN, Jim (Cornell University)

Session Classification: LERD session (Part I)

Contribution ID: 9

Type: **not specified**

Overview of ALS Upgrade

Presenter: Dr ROBIN, David

Contribution ID: **10**

Type: **not specified**

Lattice Design and Beam Dynamics studies for HEPS

Presenter: Dr JIAO, Yi

Contribution ID: 13

Type: **not specified**

Overview of ALS Upgrade

Wednesday, 26 October 2016 11:25 (25 minutes)

Presenter: Dr ROBIN, David (Lawrence Berkley National Laboratory)

Session Classification: LERD Session (Part II)

Contribution ID: 14

Type: **not specified**

Lattice design and beam dynamics studies for HEPS

Wednesday, 26 October 2016 11:50 (25 minutes)

Presenter: Dr JIAO, YI (IHEP)

Session Classification: LERD Session (Part II)

Contribution ID: 15

Type: **not specified**

ELETTRA - II Upgrade

Wednesday, 26 October 2016 12:15 (25 minutes)

Presenter: Dr KARANTZOULIS, Emanuel (Elettra - Sincrotrone Trieste)

Session Classification: LERD Session (Part II)

Contribution ID: **16**

Type: **not specified**

Progress of SLS-II Project

Wednesday, 26 October 2016 12:40 (25 minutes)

Presenter: Dr AIBA, Masamitsu (PSI)

Session Classification: LERD Session (Part II)

Contribution ID: 17

Type: **not specified**

Progress with Diamond II design

Wednesday, 26 October 2016 14:15 (25 minutes)

Presenter: Prof. BARTOLINI, Riccardo (JAI and DLS)

Session Classification: LERD session (Part III)

Contribution ID: **18**

Type: **not specified**

Status of NLS- II

Wednesday, 26 October 2016 14:40 (25 minutes)

Presenter: Dr WANG, Guimei (BNL)

Session Classification: LERD session (Part III)

Contribution ID: 19

Type: **not specified**

Progress on BESSY VSR

Wednesday, 26 October 2016 15:05 (25 minutes)

Presenter: Dr RIES, Markus (Helmholtz-Zentrum Berlin)

Session Classification: LERD session (Part III)

Contribution ID: **20**

Type: **not specified**

SPring-8 upgrade and nonlinear optimizations

Wednesday, 26 October 2016 15:30 (25 minutes)

Presenter: Dr WATANABE, Takahiro (RIKEN SPring - 8 center/ JASRI)

Session Classification: LERD session (Part III)

Contribution ID: 21

Type: **not specified**

Online optimisation of accelerators with modern algorithms such as RCDS

Wednesday, 26 October 2016 16:15 (25 minutes)

Presenter: Dr HUANG , Xiaobiao (SLAC National Accelerator Laboratory)

Session Classification: LERD session (Part IV)

Contribution ID: 22

Type: **not specified**

MOGA optimizer developement at SLS

Wednesday, 26 October 2016 16:40 (25 minutes)

Presenter: Dr EHRLICHMAN, Michael (Paul Scherrer Institut)

Session Classification: LERD session (Part IV)

Contribution ID: 23

Type: **not specified**

Comparison of optics measurement methods in ESRF

Wednesday, 26 October 2016 17:05 (25 minutes)

Presenter: Mr MALINA, Lukas (University of Oslo (NO))

Session Classification: LERD session (Part IV)

Contribution ID: 24

Type: **not specified**

Injection Scheme for SPring-8 upgrade

Wednesday, 26 October 2016 17:30 (25 minutes)

Presenter: Dr TAKANO , Shiro (RIKEN SPring - 8 Center /JASRI)

Session Classification: LERD session (Part IV)

Contribution ID: 25

Type: **not specified**

Top-up injection schemes for HEPS

Wednesday, 26 October 2016 17:55 (25 minutes)

Presenter: Dr DUAN, zhe (institute of high energy physics, Chinese Academy of Sciences)

Session Classification: LERD session (Part IV)

Contribution ID: **26**

Type: **not specified**

Beam Physics Challenges of ALS-U

Thursday, 27 October 2016 08:30 (25 minutes)

Presenter: VENTURINI, Marco (LBNL)

Session Classification: LERD Session (Part V)

Contribution ID: 27

Type: **not specified**

Analysis of Nonlinear Dynamics by Square Matrix Method

Thursday, 27 October 2016 08:55 (20 minutes)

Presenter: Dr YU, LI HUA (Brookhaven National Laborator)

Session Classification: LERD Session (Part V)

Electron beam losses and collimation at ESRF-RBS

Thursday, 27 October 2016 09:15 (25 minutes)

Presenter: Mrs VERSTEEGEN, REINE (ESRF)

Session Classification: LERD Session (Part V)

Contribution ID: 29

Type: **not specified**

Ultra-low emittance ring with energy variation

Thursday, 27 October 2016 09:40 (25 minutes)

Presenter: Dr AIBA, MASAMITSU (PSI)

Session Classification: LERD Session (Part V)

Contribution ID: 30

Type: **not specified**

Update on emittance coupling studies at the Australian Synchrotron

Thursday, 27 October 2016 10:05 (25 minutes)

Presenter: DOWD, Rohan (Synchrotron Light Source Australia)

Session Classification: LERD Session (Part V)

Contribution ID: 31

Type: **not specified**

Novel short bunch sc geme using crab cavities at SPEAR3

Thursday, 27 October 2016 10:30 (25 minutes)

Presenter: Dr HUANG, XIAOBIAO (SLAC National Accelerator Laboratory)

Session Classification: LERD Session (Part V)

Contribution ID: 32

Type: **not specified**

Celebrative Talk

Thursday, 27 October 2016 11:15 (30 minutes)

Presenter: PEREZ, Francis (ALBA Synchrotron - CELLS)

Session Classification: Special Event honouring Prof Dieter Einfeld

Contribution ID: 33

Type: **not specified**

Celebrative Talk

Thursday, 27 October 2016 11:45 (30 minutes)

Presenter: Prof. EINFELD, DIETER (ESRF, ASD-Division)

Session Classification: Special Event honouring Prof Dieter Einfeld

Contribution ID: 34

Type: **not specified**

Commendation

Thursday, 27 October 2016 12:15 (10 minutes)

Session Classification: Special Event honouring Prof Dieter Einfeld

Contribution ID: 35

Type: **not specified**

Workshop Photo

Thursday, 27 October 2016 12:25 (10 minutes)

Session Classification: Special Event honouring Prof Dieter Einfeld

Challenges of the new e+e collider studies

Thursday, 27 October 2016 13:45 (25 minutes)

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: LERD session (Part VI)

Contribution ID: 37

Type: **not specified**

Progress on ESRF-EBS

Thursday, 27 October 2016 14:10 (25 minutes)

Presenter: Prof. RAIMONDI, PANTALEO (ESRF - The European Synchrotron)

Session Classification: LERD session (Part VI)

Results of low emittance tuning for superKEKB

Thursday, 27 October 2016 14:35 (25 minutes)

Presenter: Dr IIDA, Naoko (KEK)

Session Classification: LERD session (Part VI)

Contribution ID: 39

Type: **not specified**

Review of TWIICE 2 workshop

Thursday, 27 October 2016 15:05 (30 minutes)

Presenter: Prof. BARTOLINI, Riccardo (JAI and DLS)

Session Classification: IICE session (part I)

Contribution ID: **40**

Type: **not specified**

Local transverse impedance measurements at ALBA from turn-by-turn acquisition

Thursday, 27 October 2016 15:35 (25 minutes)

Presenter: Mr CARLA', Michele (cells-alba)

Session Classification: IICE session (part I)

Review of high frequency impedance

Thursday, 27 October 2016 16:20 (30 minutes)

Presenter: Mr BANE, Karl (SLAC National Accelerator Laboratory)

Session Classification: IICE session (Part II)

Contribution ID: 42

Type: **not specified**

Instability analysis of DIAMOND with and without feedback ad benchmark with simulations

Thursday, 27 October 2016 16:50 (25 minutes)

Presenter: KOUKOVINI PLATIA, Eirini (Diamond)

Session Classification: IICE session (Part II)

Studies of collective effects in Sirius

Thursday, 27 October 2016 17:15 (25 minutes)

Presenter: DE SÀ, Fernando Enrique (SIRIUS)

Session Classification: IICE session (Part II)

Contribution ID: 44

Type: **not specified**

Single bunch intability in SLS -II

Thursday, 27 October 2016 17:40 (25 minutes)

Presenter: XU, Haisheng (PSI)

Session Classification: IICE session (Part II)

Beam instability measurment and analysis in MAX IV

Thursday, 27 October 2016 18:05 (25 minutes)

Presenter: SKRIPKA, Galina (CERN)

Session Classification: IICE session (Part II)

Contribution ID: 46

Type: **not specified**

Overview of beam instability driven by CSR in storage rings

Friday, 28 October 2016 09:00 (30 minutes)

Presenter: STUPAKOV, Gennady (SLAC National Accelerator Laboratory (US))

Session Classification: IICE session (Part II)

Contribution ID: 47

Type: **not specified**

FASTION in PyHEASTAIL

Friday, 28 October 2016 09:30 (25 minutes)

Presenter: METHER, Lotta (CERN)

Session Classification: IIICE session (Part II)

Theoretical predictions of single bunch instabilities at high chromaticity with a Fokker-Pkanck model

Friday, 28 October 2016 09:55 (25 minutes)

Presenter: Dr LINBERG, Ryan (Argonne National Lab)

Session Classification: IICE session (Part II)

Contribution ID: 49

Type: **not specified**

Magnet development for ESRF-EBS

Friday, 28 October 2016 11:15 (25 minutes)

Presenter: Dr CHAVANNE, Joël (ESRF)

Session Classification: LERT session (Part II)

Contribution ID: 50

Type: **not specified**

SRF system deveopment for BESSY VSR

Friday, 28 October 2016 11:40 (25 minutes)

Presenter: Dr VÉLEZ, Adolfo (HELMHOLTZ ZENTRUM BERLIN (G-ISRF))

Session Classification: LERT session (Part II)

Contribution ID: 51

Type: **not specified**

X-ray beam size monitor with a dedicated source wiggler

Friday, 28 October 2016 12:05 (25 minutes)

Presenter: CRITTENDEN, Jim (Cornell University)

Session Classification: LERT session (Part II)

Design of a fast pulsed kicker for HEPS

Friday, 28 October 2016 14:05 (25 minutes)

Presenter: Dr SHI, Hua (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: LERT session (Part III)

Low Emittance ... / Report of Contributions

Injection/extraction kikkers and ...

Contribution ID: 53

Type: **not specified**

Injection/extraction kikkers and harmonic cavities for ALS-U

Friday, 28 October 2016 12:30 (25 minutes)

Presenter: Dr DE SANTIS , Stefano (LBNL)

Session Classification: LERT session (Part II)

Contribution ID: 54

Type: **not specified**

Commissioning of MAXIV 3Gev ring subsystems

Friday, 28 October 2016 14:30 (25 minutes)

Presenter: LEEMANN, Simon (MAX IV Laboratory / Lund University)

Session Classification: LERT session (Part III)

Contribution ID: 57

Type: **not specified**

Summary LERD

Friday, 28 October 2016 15:10 (15 minutes)

Presenter: BARTOLINI, riccardo (Diamond Light Source and John Adams Institute)

Session Classification: Summary session

Contribution ID: **58**

Type: **not specified**

Summary IICE

Friday, 28 October 2016 15:25 (15 minutes)

Session Classification: Summary session

Contribution ID: 59

Type: **not specified**

Summary LERT

Friday, 28 October 2016 15:40 (15 minutes)

Presenter: JANKOWIAK, Andreas (Helmholtz-Zentrum Berlin)

Session Classification: Summary session

Contribution ID: **60**

Type: **not specified**

Plenary discussions

Friday, 28 October 2016 15:55 (35 minutes)

Session Classification: Summary session

Contribution ID: **61**

Type: **not specified**

LoweRing prize annoucement+ From loweRing to AIRIES discussions

Friday, 28 October 2016 16:30 (55 minutes)

Session Classification: Summary session

Contribution ID: **62**

Type: **not specified**

Closing remarks

Friday, 28 October 2016 17:25 (5 minutes)

Session Classification: Summary session

Contribution ID: 63

Type: **not specified**

Creating Round Beams by Linear Coupling

Presenter: KUSKE, Peter (HZB, Humboldt-innovation GmbH)

Contribution ID: 64

Type: **not specified**

Status of Lit-J Project

Wednesday, 26 October 2016 18:20 (10 minutes)

Presenter: Dr HIROYUKI, Hama (Research Center for Electron Photon Science)

Session Classification: LERD session (Part IV)

Contribution ID: 65

Type: **not specified**

Review of ALERT2016

Friday, 28 October 2016 10:25 (25 minutes)

Presenter: KARANTZOULIS, Emanuel (Elettra - Sincrotrone Trieste)

Session Classification: LERT session (Part I)

Contribution ID: **66**

Type: **not specified**

Creating Round Beams by Linear Coupling

Friday, 28 October 2016 14:55 (10 minutes)

Presenter: KUSKE, Peter (HZB, Humboldt-innovation GmbH)

Session Classification: LERT session (Part III)