

2nd ARIES Annual Meeting



business
incubation
centre
Hungary

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening address and introduction to Wigner RCP

Tuesday, 9 April 2019 13:45 (20 minutes)

Presenters: LEVAI, Peter (Hungarian Academy of Sciences (HU)); TANDI, Zsuzsanna (MTA Wigner RCP)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Report from the Project Coordinator

Tuesday, 9 April 2019 14:05 (20 minutes)

Presenter: VRETENAR, Maurizio (CERN)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Communication, Training and Outreach: Report from WP2

Tuesday, 9 April 2019 14:25 (15 minutes)

Presenter: Ms ANTONIO, Daniela (CERN)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Industrial and societal applications: Report from WP3

Tuesday, 9 April 2019 14:40 (15 minutes)

Presenter: EDGECOCK, Rob

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Efficient energy management at accelerators: Report from WP4

Tuesday, 9 April 2019 14:55 (15 minutes)

Presenter: SEIDEL, Mike (PSI)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

The European network on novel accelerator concepts: Report form WP5

Tuesday, 9 April 2019 15:10 (15 minutes)

Presenter: ASSMANN, Ralph Wolfgang (DESY)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

Accelerator performance and concept

Tuesday, 9 April 2019 15:25 (15 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Session 1

Contribution ID: 8

Type: **not specified**

Ultra-low emittance rings: Report from WP7

Tuesday, 9 April 2019 16:10 (15 minutes)

Presenter: Prof. BARTOLINI, Riccardo (Diamond Light Source and John Adams Institute (Oxford University))

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

Advanced accelerator diagnostics: Report from WP8

Tuesday, 9 April 2019 16:25 (15 minutes)

Presenter: FORCK, Peter (GSI)

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

The ARIES Massive Online Open Course

Tuesday, 9 April 2019 16:40 (20 minutes)

Presenter: DELERUE, Nicolas (LAL, CNRS & Université Paris-Sud)

Session Classification: Session 2

Contribution ID: 11

Type: **not specified**

Reliability information databases and feasibility within accelerator community

Tuesday, 9 April 2019 17:00 (20 minutes)

Presenter: HUMER, Heinrich (AIT AUstrian Institute of Technology)

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

The impact of magnetic flux trapping on SRF efficiency

Tuesday, 9 April 2019 17:20 (20 minutes)

Presenter: IVANOV, Anton Evgeniev (CERN)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

Progress with experimental tests of CLIC damping ring kickers at ALBA

Tuesday, 9 April 2019 17:40 (20 minutes)

Presenter: PEREZ, Francis (ALBA-CELLS)

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

State-of-the-art closed orbit feedback

Tuesday, 9 April 2019 18:00 (20 minutes)

Presenter: MIRZA, Sajjad Hussain (GSI Darmstadt)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

Testing of magnets and components at cryogenic temperatures: Report from TNA WP9

Wednesday, 10 April 2019 09:00 (10 minutes)

Presenter: BAJKO, Marta (CERN)

Session Classification: Session 3

Contribution ID: 16

Type: **not specified**

Material testing with extreme beams: Report from TNA WP10

Wednesday, 10 April 2019 09:10 (10 minutes)

Presenter: SEVERIN, Daniel (GSI)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Testing with beams: Report from TNA WP11

Wednesday, 10 April 2019 09:20 (10 minutes)

Presenter: SCHWINDLING, Jerome (Université Paris-Saclay (FR))

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Testing of advanced RF structures: Report from TNA WP12

Wednesday, 10 April 2019 09:30 (10 minutes)

Presenter: RUBER, Roger (Uppsala University (SE))

Session Classification: Session 3

Contribution ID: 19

Type: **not specified**

Plasma beam testing: Report from TNA WP13

Wednesday, 10 April 2019 09:40 (10 minutes)

Presenter: CROS, Brigitte (LPGP CNRS)

Session Classification: Session 3

Contribution ID: 20

Type: **not specified**

Very high gradient acceleration technique: Report from WP18

Wednesday, 10 April 2019 09:50 (15 minutes)

Presenter: SPECKA, Arnd Ernst

Session Classification: Session 3

Contribution ID: 21

Type: **not specified**

Materials for extreme thermal management: Report from WP17

Wednesday, 10 April 2019 10:05 (15 minutes)

Presenters: BERTARELLI, Alessandro (CERN); TOMUT, Marilena Tatiana

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Intense RF modulated e-beams: Report from WP16

Wednesday, 10 April 2019 10:20 (20 minutes)

Presenter: ONDREKA, David

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

Thin film coatings for superconducting cavities: Report from WP15

Presenter: Dr MALYSHEV, Oleg (STFC Daresbury Laboratory)

Session Classification: Session 3

Contribution ID: 24

Type: **not specified**

Fibre optic sensors based on Colloida Crystal structures!

Wednesday, 10 April 2019 11:25 (20 minutes)

Presenter: GIORDANO, Michele (Sezione di Napoli (INFN))

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

Deposition and Characterisation of Superconducting thin films of Nb, NbN and Nb₃Sn for SRF applications

Wednesday, 10 April 2019 11:45 (20 minutes)

Presenter: Dr VALIZADEH, Reza (STFC Daresbury Laboratory)

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

Design of the electron gun for the GSI space charge compensation lens

Presenter: SCHULTE-URLICHS, Kathrin (GSI)

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

Laser light with orbital angular momentum and its applications

Wednesday, 10 April 2019 12:05 (20 minutes)

Presenter: VIEIRA, Jorge (Instituto Superior Técnico)

Session Classification: Session 4

Contribution ID: 28

Type: **not specified**

Sustainability of particle accelerator R&D

Presenter: ALEKSAN, Roy (Université Paris-Saclay (FR))

Session Classification: Session 4

Contribution ID: 29

Type: **not specified**

Discussson: Future organisation of our community

Session Classification: Session 4

Contribution ID: **30**

Type: **not specified**

Innovation and industry programme: Report from WP14

Wednesday, 10 April 2019 13:30 (20 minutes)

Presenter: LOSASSO, Marcello (CERN)

Session Classification: Session 5

Contribution ID: 31

Type: **not specified**

PoC project: Development of hybrid electron accelerator system for the treatment of marine diesel exhaust gas

Wednesday, 10 April 2019 13:50 (20 minutes)

Presenter: Prof. TORIMS, Toms (Riga Technical University (LV))

Session Classification: Session 5

Contribution ID: 32

Type: **not specified**

PoC project: Investigation of new methods for the manufacturing of Cooper-Diamond Composites with tailored thermos-physical properties

Wednesday, 10 April 2019 14:10 (20 minutes)

Presenter: KITZMANTEL, Michael (RHP-Technology GmbH)

Session Classification: Session 5

Contribution ID: 33

Type: **not specified**

PoC project: Atomic Layer Deposition: An innovative approach for next generation particle accelerator

Wednesday, 10 April 2019 14:30 (20 minutes)

Presenter: ANTOINE, Claire (CEA)

Session Classification: Session 5

Contribution ID: 34

Type: **not specified**

PoC project: Accelerator Diagnostic using innovative Adaptive Optics

Wednesday, 10 April 2019 14:50 (20 minutes)

Presenter: IBISON, Mark (University of Liverpool)

Session Classification: Session 5

Contribution ID: 35

Type: **not specified**

HTS for accelerator magnets

Wednesday, 10 April 2019 15:10 (15 minutes)

Presenter: ROSSI, Lucio (CERN)

Session Classification: Session 5

Contribution ID: 36

Type: **not specified**

Designs for the next generation of medical accelerators

Wednesday, 10 April 2019 15:55 (20 minutes)

Presenter: BENEDETTO, Elena (TERA Foundation (IT))

Session Classification: Session 6

Contribution ID: 37

Type: **not specified**

Laser plasma proton and ion accelerators for therapy

Wednesday, 10 April 2019 16:15 (20 minutes)

Presenter: Prof. SCHRAMM, Ulrich (HZDR)

Session Classification: Session 6

Contribution ID: **38**

Type: **not specified**

Superconducting magnets for medical accelerators

Wednesday, 10 April 2019 16:35 (20 minutes)

Presenter: PRESTEMON, Soren (LBNL)

Session Classification: Session 6

Contribution ID: 39

Type: **not specified**

New electron Linac therapies and accelerator designs

Wednesday, 10 April 2019 16:55 (20 minutes)

Presenter: FAUS-GOLFE, Angeles (Laboartoire de l'Accelérateur Lineaire)

Session Classification: Session 6

Contribution ID: 40

Type: **not specified**

Discussion: Future directions for particle therapy accelerators

Wednesday, 10 April 2019 17:15 (30 minutes)

Session Classification: Session 6

Contribution ID: 41

Type: **not specified**

Accelerators for applications in energy and nuclear waste transmutation

Thursday, 11 April 2019 09:00 (40 minutes)

Presenter: AÏT ABDERRAHIM, Hamid (SCK.CEN)

Session Classification: Session 7

Contribution ID: 42

Type: **not specified**

The ESS target

Thursday, 11 April 2019 09:40 (20 minutes)

Presenter: MANCISIDOR, Maite (ESS Bilbao)

Session Classification: Session 7

Contribution ID: 43

Type: **not specified**

Discussion: Future high-power accelerator applications

Thursday, 11 April 2019 10:00 (15 minutes)

Session Classification: Session 7

Contribution ID: 44

Type: **not specified**

Static and oscillating EDM- experiments at storage rings

Thursday, 11 April 2019 10:15 (20 minutes)

Presenter: STAHL, Achim (Rheinisch Westfaelische Tech. Hoch. (DE))

Session Classification: Session 7

Contribution ID: 45

Type: **not specified**

The new Innovation Pilot Project

Thursday, 11 April 2019 11:05 (20 minutes)

Presenters: VRETENAR, Maurizio (CERN); ALEKSAN, Roy (Université Paris-Saclay (FR))

Session Classification: Session 8

Contribution ID: 49

Type: **not specified**

Thin film coatings for superconducting cavities: Report from WP15

Wednesday, 10 April 2019 11:10 (15 minutes)

Presenter: MALYSHEV, Oleg (STFC Daresbury Laboratory)

Session Classification: Session 4