

EASISchool 2 on Cryogenics



Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday, 30 September 2019 08:00 (30 minutes)

Contribution ID: 2

Type: **not specified**

Welcome and introduction

Monday, 30 September 2019 08:30 (15 minutes)

Presenter: BAUDOUY, Bertrand (CEA Saclay)

Contribution ID: 3

Type: **not specified**

Medical Applications

Contribution ID: 4

Type: **not specified**

Cryomagnetism for Neuroscience

Monday, 30 September 2019 08:45 (45 minutes)

Presenter: GRAS , Vincent

Session Classification: Medical Applications

Contribution ID: 5

Type: **not specified**

Cryomagnetism for MRI

Monday, 30 September 2019 09:30 (30 minutes)

Presenter: QUETTIER, Lionel

Session Classification: Medical Applications

Contribution ID: 6

Type: **not specified**

Iseult magnet Cryogenics

Monday, 30 September 2019 10:15 (30 minutes)

Presenter: BREDY, Philippe (CEA-Saclay)

Session Classification: Medical Applications

Contribution ID: 7

Type: **not specified**

Cryogenics in Proton Therapy Systems

Monday, 30 September 2019 10:45 (30 minutes)

Presenter: GODEKE, Arno (VARIAN)

Session Classification: Medical Applications

Contribution ID: 8

Type: **not specified**

Lunch at Rotonde

Contribution ID: 9

Type: **not specified**

SRF accelerator cavities

Monday, 30 September 2019 14:00 (45 minutes)

Presenter: CENNI, Enrico (CEA-Saclay)

Session Classification: Accelerator applications

Contribution ID: **10**

Type: **not specified**

Cryogenics for XFell

Monday, 30 September 2019 14:45 (30 minutes)

Presenter: GRESELE, Ambra (Ettore Zanon SpA)

Session Classification: Accelerator applications

Contribution ID: 11

Type: **not specified**

Cryogenics for accelerator cavities

Monday, 30 September 2019 15:15 (30 minutes)

Presenter: DUTHIL, Eric Patxi (IPN Orsay)

Session Classification: Accelerator applications

Contribution ID: 12

Type: **not specified**

Cryogenics for ESS

Monday, 30 September 2019 15:45 (30 minutes)

Presenter: PEKELER, Michael (RI Research Instruments GmbH)

Session Classification: Accelerator applications

Contribution ID: **13**

Type: **not specified**

Registration

Tuesday, 1 October 2019 08:00 (30 minutes)

Contribution ID: **14**

Type: **not specified**

Introduction

Tuesday, 1 October 2019 08:30 (15 minutes)

Contribution ID: 15

Type: **not specified**

LHC Cryogenics

Tuesday, 1 October 2019 08:45 (45 minutes)

Presenter: LEBRUN, Philippe (JUAS)

Session Classification: Superconducting magnets

Contribution ID: **16**

Type: **not specified**

Accelerator magnets

Tuesday, 1 October 2019 09:30 (30 minutes)

Etienne Rochepault

Session Classification: Superconducting magnets

Contribution ID: 17

Type: **not specified**

Cryogenics for LHC Experiments

Tuesday, 1 October 2019 10:15 (30 minutes)

Presenter: FABRE, Caroline (CERN)

Session Classification: Superconducting magnets

Contribution ID: **18**

Type: **not specified**

Cryogenics for Iter

Tuesday, 1 October 2019 10:45 (30 minutes)

Presenter: MAEKAWA, Ryuji (ITER Organization)

Session Classification: Superconducting magnets

Contribution ID: 19

Type: **not specified**

Cryogenics for HTc magnets

Tuesday, 1 October 2019 11:15 (30 minutes)

Presenter: LECREVISSE, Thibault (CEA-Saclay)

Session Classification: Superconducting magnets

Contribution ID: 20

Type: **not specified**

Cryogenic Pulsating heat pipes

Tuesday, 1 October 2019 11:45 (30 minutes)

Presenter: BARBA, Maria (CEA (Commissariat à l'Énergie Atomique))

Session Classification: Superconducting magnets

Contribution ID: 21

Type: **not specified**

Cryogenics at Oxford Instrument

Tuesday, 1 October 2019 14:00 (45 minutes)

Presenter: MELHEM, Ziad (Oxford Instruments)

Session Classification: Cryogenics for Future

Contribution ID: 22

Type: **not specified**

LNG cryogenics

Tuesday, 1 October 2019 14:45 (30 minutes)

Benoît Morel (GTT company)

Session Classification: Cryogenics for Future

Contribution ID: 23

Type: **not specified**

Superconducting magnet for space

Tuesday, 1 October 2019 15:15 (30 minutes)

Presenter: BATTISTON, Roberto (Universita degli Studi di Trento è INFN (IT))

Session Classification: Cryogenics for Future

Contribution ID: 24

Type: **not specified**

Superconducting magnetic bearings

Tuesday, 1 October 2019 15:45 (30 minutes)

Lionel Quéval (Centrale-Supélec)

Session Classification: Cryogenics for Future

Contribution ID: 25

Type: **not specified**

Iseult magnet visit

Monday, 30 September 2019 11:15 (1 hour)

Presenters: JUSTER, Francois-Paul (CEA); QUETTIER, Lionel (CERN)

Session Classification: Medical Applications

Contribution ID: 26

Type: **not specified**

CEA Accelerator Lab visit

Bertrand Baudouy and CEA Team

Presenter: Dr BAUDOUY, Bertrand (CEA Paris-Saclay)

Session Classification: Accelerator applications

Contribution ID: 27

Type: **not specified**

CEA cryomagetism Lab visit

Bertrand Baudouy+CEA team

Presenter: Dr BAUDOUY, Bertrand (CEA-Saclay)

Session Classification: Cryogenics for Future

Contribution ID: **28**

Type: **not specified**

TGV transfer Paris-Grenoble

Wednesday, 2 October 2019 09:45 (3 hours)

Contribution ID: 29

Type: **not specified**

Tramway transfer

Contribution ID: **30**

Type: **not specified**

ESRF visit -European Synchrotron Radiation Facility

Wednesday, 2 October 2019 14:15 (2h 15m)

Eric Legallo (ESRF)+ESRF team

Contribution ID: 31

Type: **not specified**

Walking transfer

Contribution ID: **32**

Type: **not specified**

National High Magnetic Field Laboratory visit

Wednesday, 2 October 2019 16:45 (1h 15m)

Xavier CHAUD (CNRS)+LNCMI team

Contribution ID: **33**

Type: **not specified**

Registration

Thursday, 3 October 2019 08:00 (30 minutes)

Contribution ID: **34**

Type: **not specified**

Welcome and introduction

Thursday, 3 October 2019 08:30 (15 minutes)

Presenter: MILLET, Francois (CEA-Grenoble)

Contribution ID: 35

Type: **not specified**

Cryogenics for space

Thursday, 3 October 2019 08:45 (45 minutes)

Presenter: DUBAND, Lionel (CEA)

Session Classification: Space and Aerospace applications

Contribution ID: **36**

Type: **not specified**

Space mission

Thursday, 3 October 2019 09:30 (45 minutes)

Presenter: TIROLIEN, Thierry (ESA)

Session Classification: Space and Aerospace applications

Contribution ID: 37

Type: **not specified**

Helium Dilution refrigerators

Thursday, 3 October 2019 10:30 (30 minutes)

Presenter: VERMEULEN, Gerard (Institut Neel (CNRS))

Session Classification: Space and Aerospace applications

Contribution ID: **38**

Type: **not specified**

Adiabatic Demagnetization Refrigerators

Thursday, 3 October 2019 11:00 (30 minutes)

Presenter: DUVAL, Jean-Marc (CEA-Grenoble)

Session Classification: Space and Aerospace applications

Contribution ID: 39

Type: **not specified**

Turbo-Brayton coolers for space

Thursday, 3 October 2019 11:30 (30 minutes)

Presenter: TANCHON, Julien (Absolut System / AFCryo)

Session Classification: Space and Aerospace applications

Contribution ID: 40

Type: **not specified**

Pulse-tube coolers for Earth observation and Science

Thierry Wiertz (Air Liquide Advanced Technologies)

Session Classification: Space and Aerospace applications 2/2

Contribution ID: 41

Type: **not specified**

Cryogenic integration in satellites

Bernard Collaudin (TAS)

Session Classification: Space and Aerospace applications 2/2

Contribution ID: 42

Type: **not specified**

Cryogenic motors and launch pads

Davide Duri (Ariane Group)

Session Classification: Space and Aerospace applications 2/2

Contribution ID: 43

Type: **not specified**

Air Liquide Advanced Technology visit

Pierre Barjhoux + ALaT team

Session Classification: Space and Aerospace applications 2/2

Contribution ID: 44

Type: **not specified**

Registration

Friday, 4 October 2019 08:00 (40 minutes)

Contribution ID: 45

Type: **not specified**

Introduction

Friday, 4 October 2019 08:40 (5 minutes)

Presenter: MILLET, Francois (CEA-Grenoble)

Contribution ID: 46

Type: **not specified**

Cryogenic thermometry and instrumentation

Presenter: COURTS, Scott (Lake Shore Cryotronics, Inc.)

Session Classification: Instrumentation and safety

Contribution ID: 47

Type: **not specified**

Accidental heat flux and safety design

Eric Ercolani (CEA-Grenoble)

Session Classification: Instrumentation and safety

Contribution ID: 48

Type: **not specified**

He refrigeration and liquefaction

Friday, 4 October 2019 08:45 (45 minutes)

Presenter: FABRE, Yannick (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 49

Type: **not specified**

Cryogenic storage and distribution

Friday, 4 October 2019 09:30 (45 minutes)

Stéphane Duval (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 50

Type: **not specified**

Turbo-Brayton fridges

Friday, 4 October 2019 13:30 (30 minutes)

Presenter: GONDRAND, Cecile (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 51

Type: **not specified**

H2 production and distribution

Pierre Barjhoux (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 52

Type: **not specified**

Management of Research and Innovation

Friday, 4 October 2019 14:00 (45 minutes)

Pierre Crespi (ALaT)

Session Classification: R&I in industry

Contribution ID: 54

Type: **not specified**

CEA cryogenics Lab visit

François Millet+CEA team

Session Classification: R&I in industry

Contribution ID: 55

Type: **not specified**

Cryomagnetism for Neuroscience

Presenter: GRAS , Vincent

Contribution ID: 56

Type: **not specified**

CEA Accelerator Lab visit

Monday, 30 September 2019 16:30 (1h 30m)

Bertrand Baudouy and CEA team

Contribution ID: 57

Type: **not specified**

CEA Cryomagnetism Lab visit

Tuesday, 1 October 2019 16:30 (1h 30m)

Bertrand Baudouy+CEA team

Contribution ID: 58

Type: **not specified**

Air Liquide Advanced Technology visit

Thursday, 3 October 2019 16:00 (2 hours)

Pierre Barjhoux+ALaT team

Contribution ID: 59

Type: **not specified**

CEA cryogenics Lab visit

Friday, 4 October 2019 15:30 (1h 30m)

François Millet+CEA team

Contribution ID: **60**

Type: **not specified**

Pulse-tube coolers for Earth Observation & Science

Thursday, 3 October 2019 13:30 (30 minutes)

T. Wiertz (ALaT)

Session Classification: Space and Aerospace applications

Contribution ID: **61**

Type: **not specified**

Cryogenic integration in satellites

Thursday, 3 October 2019 14:00 (45 minutes)

E.Gavila (TAS)

Session Classification: Space and Aerospace applications

Contribution ID: **62**

Type: **not specified**

Cryogenic motors and launch pads

Thursday, 3 October 2019 14:45 (45 minutes)

D.Duri (Ariane Group)

Session Classification: Space and Aerospace applications

Contribution ID: 63

Type: **not specified**

Pulse-tube coolers for Earth Observation & Science

T.Wiertz (ALaT)

Contribution ID: **64**

Type: **not specified**

Accidental heat flux and safety design

Friday, 4 October 2019 10:30 (30 minutes)

E.Ercolani (CEA)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 65

Type: **not specified**

H2 production and distribution

Friday, 4 October 2019 11:00 (45 minutes)

P.Barjhoux (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 66

Type: **not specified**

Turbo-Brayton fridges

C.Gondrand (ALaT)

Session Classification: Large-scale refrigeration and liquefaction

Contribution ID: 67

Type: **not specified**

Conclusion

Friday, 4 October 2019 14:45 (30 minutes)