

# 2nd EuCARD-2 Annual Meeting



## Report of Contributions

Contribution ID: 70

Type: **not specified**

## Welcome from ALBA Director

*Tuesday 21 April 2015 09:00 (10 minutes)*

**Presenter:** BISCARI, Caterina

**Session Classification:** 1st Plenary Session

Contribution ID: 71

Type: **not specified**

## **Welcome from EuCARD-2 Coordinator and activity report**

*Tuesday 21 April 2015 09:10 (30 minutes)*

**Presenter:** VRETENAR, Maurizio (CERN)

**Session Classification:** 1st Plenary Session

Contribution ID: 72

Type: **not specified**

## **The ALBA Synchrotron and Accelerator R&D in Spain (20'+10')**

*Tuesday 21 April 2015 09:40 (30 minutes)*

**Presenter:** PEREZ, Francis (ALBA Synchrotron - CELLS)

**Session Classification:** 1st Plenary Session

Contribution ID: 73

Type: **not specified**

## **EuCARD-2 Communication and Outreach: results and perspectives (15'+5')**

*Tuesday 21 April 2015 10:10 (20 minutes)*

**Presenter:** SZEBERENYI, Agnes (CERN)

**Session Classification:** 1st Plenary Session

Contribution ID: 74

Type: **not specified**

## **Extreme Beams - report from WP5 XBEAM (20'+10')**

*Tuesday 21 April 2015 11:00 (30 minutes)*

**Presenter:** FRANCHETTI, Giuliano (GSI)

**Session Classification:** 2nd Plenary Session

Contribution ID: 75

Type: **not specified**

## **The FCC Study (20'+10')**

*Tuesday 21 April 2015 11:30 (30 minutes)*

**Presenter:** ZIMMERMANN, Frank (CERN)

**Session Classification:** 2nd Plenary Session

Contribution ID: 76

Type: **not specified**

## **Low emittance rings - report from WP6 LOWeRING (20'+10')**

*Tuesday 21 April 2015 12:00 (30 minutes)*

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

**Session Classification:** 2nd Plenary Session



Contribution ID: 77

Type: **not specified**

## **ESRF Phase II Accelerator Upgrade (20'+10')**

*Tuesday 21 April 2015 12:30 (30 minutes)*

**Presenter:** RAIMONDI, Pantaleo (ESRF)

**Session Classification:** 2nd Plenary Session

Contribution ID: 78

Type: **not specified**

## **The editorial series on accelerator science: overview and perspectives (10')**

*Tuesday 21 April 2015 14:00 (10 minutes)*

**Presenter:** ROMANIUK, Ryszard (Warsaw University of Technology (PL))

**Session Classification:** 3rd Plenary Session

Contribution ID: 79

Type: **not specified**

## **Academic Standing of Accelerator Research: EuCARD2 uniting communities (15'+5')**

*Wednesday 22 April 2015 10:00 (20 minutes)*

**Presenter:** FRANCHETTI, Giuliano (GSI)

**Session Classification:** 5th Plenary Session

Contribution ID: **80**

Type: **not specified**

## **Novel Accelerators - report from WP7 EuroNNAC2 (20'+10')**

*Tuesday 21 April 2015 14:30 (30 minutes)*

**Presenter:** ASSMANN, Ralph (DESY)

**Session Classification:** 3rd Plenary Session

Contribution ID: **81**

Type: **not specified**

## **Medical Imaging with betatron x-rays from Laser Wakefield Accelerators (15'+5')**

*Tuesday 21 April 2015 15:00 (20 minutes)*

**Presenter:** NAJMUDIN, Zulfikar (Imperial College)

**Session Classification:** 3rd Plenary Session

Contribution ID: 82

Type: **not specified**

## **Trends and Perspectives for Crystal Channeling (15'+5')**

*Tuesday 21 April 2015 15:20 (20 minutes)*

**Presenter:** DABAGOV, Sultan (INFN)

**Session Classification:** 3rd Plenary Session

Contribution ID: **83**

Type: **not specified**

## **Accelerator R&D at the CILEX Project in France (20'+10')**

*Tuesday 21 April 2015 16:10 (30 minutes)*

**Presenter:** CROS, Brigitte (LPGP-CNRS-UP11)

**Session Classification:** 4th Plenary Session

Contribution ID: **84**

Type: **not specified**

## **ICTF at RAL, status and future opportunities (15'+5')**

*Tuesday 21 April 2015 16:40 (20 minutes)*

**Presenter:** EDGECOCK, Rob (STFC - Rutherford Appleton Lab. (GB))

**Session Classification:** 4th Plenary Session



Contribution ID: 85

Type: **not specified**

## **A Robinson Wiggler for lifetime and brilliance improvement at the Metrology Light Source (15'+5')**

*Tuesday 21 April 2015 17:00 (20 minutes)*

**Presenter:** GOETSCH, Tobias (HZB)

**Session Classification:** 4th Plenary Session

Contribution ID: **86**

Type: **not specified**

## **The MagTest and HiRadMat facilities at CERN (15'+5')**

*Tuesday 21 April 2015 17:20 (20 minutes)*

**Presenters:** FABICH, Adrian (CERN); BAJKO, Marta (CERN)

**Session Classification:** 4th Plenary Session

Contribution ID: 87

Type: **not specified**

## **Preparation of the new Integrating Infrastructure project**

*Tuesday 21 April 2015 17:40 (10 minutes)*

**Presenter:** VRETENAR, Maurizio (CERN)

**Session Classification:** 4th Plenary Session

Contribution ID: **88**

Type: **not specified**

## **Energy Efficient Accelerators - report from WP3 EnEfficient (20'+10')**

*Wednesday 22 April 2015 09:00 (30 minutes)*

**Presenter:** SEIDEL, Mike (PSI)

**Session Classification:** 5th Plenary Session

Contribution ID: **89**

Type: **not specified**

## **Accelerator Applications - report from WP4 AccApplic (20'+10')**

*Wednesday 22 April 2015 09:30 (30 minutes)*

**Presenter:** EDGECOCK, Rob (STFC - Rutherford Appleton Lab. (GB))

**Session Classification:** 5th Plenary Session

Contribution ID: **90**

Type: **not specified**

## **The electron beam treatment of seeds (15'+5')**

*Tuesday 21 April 2015 14:10 (20 minutes)*

**Presenter:** WEIDAUER, Andre (FEP Fraunhofer)

**Session Classification:** 3rd Plenary Session

Contribution ID: **91**

Type: **not specified**

## **The "Applications of Particle Accelerators in Europe" project**

*Wednesday 22 April 2015 10:20 (10 minutes)*

**Presenter:** FAUS-GOLFE, Angeles (IFIC)

**Session Classification:** 5th Plenary Session

Contribution ID: 92

Type: **not specified**

## **Collimator materials for high-density energy deposition - report from WP 11 (20'+10')**

*Wednesday 22 April 2015 11:00 (30 minutes)*

**Presenter:** ROSSI, Adriana (CERN)

**Session Classification:** 6th Plenary Session



Contribution ID: 93

Type: **not specified**

## **Technology transfer at EuCARD-2: report from WP2 (15'+5')**

*Wednesday 22 April 2015 11:30 (20 minutes)*

**Presenters:** TSARFATI, Tim (CERN); SKARDA, Vlad (STFC)

**Session Classification:** 6th Plenary Session

Contribution ID: 94

Type: **not specified**

## **Outcomes of accelerators for isotope production workshop and promotion through networks (15'+5')**

*Wednesday 22 April 2015 11:50 (20 minutes)*

**Presenter:** SKARDA, Vlad (STFC)

**Session Classification:** 6th Plenary Session

Contribution ID: 95

Type: **not specified**

## **Review of Efficient RF Sources (15'+5')**

*Wednesday 22 April 2015 12:10 (20 minutes)*

**Presenter:** SYRATCHEV, Igor (CERN)

**Session Classification:** 6th Plenary Session

Contribution ID: 96

Type: **not specified**

## **Overview of collimation materials (15'+5')**

*Wednesday 22 April 2015 12:30 (20 minutes)*

**Presenter:** BERTARELLI, Alessandro (CERN)

**Session Classification:** 6th Plenary Session

Contribution ID: 97

Type: **not specified**

## **Future magnets - report from WP10 (20'+10')**

*Wednesday 22 April 2015 13:50 (30 minutes)*

**Presenter:** ROSSI, Lucio (CERN)

**Session Classification:** 7th Plenary Session

Contribution ID: **98**

Type: **not specified**

## **Innovative RF technologies - report from WP12 (20'+10')**

*Wednesday 22 April 2015 14:20 (30 minutes)*

**Presenter:** MCINTOSH, Peter (CERN - FP/PI)

**Session Classification:** 7th Plenary Session

Contribution ID: 99

Type: **not specified**

## **Novel Accelerator Concepts - report from WP13 (20'+10')**

*Wednesday 22 April 2015 14:50 (30 minutes)*

**Presenter:** MALKA, victor (LOA)

**Session Classification:** 7th Plenary Session

Contribution ID: **100**

Type: **not specified**

## **Optimisation of Roebel cable for HTS magnets (15'+5')**

*Wednesday 22 April 2015 15:20 (20 minutes)*

**Presenter:** FLEITER, Jerome (CERN)

**Session Classification:** 7th Plenary Session



Contribution ID: **101**

Type: **not specified**

## **Front-end electro-optical systems and wakefield monitor tests (15'+5')**

*Wednesday 22 April 2015 16:10 (20 minutes)*

**Presenter:** DEHLER, Micha (PSI)

**Session Classification:** 8th Plenary Session

Contribution ID: **102**

Type: **not specified**

## **Theoretical developments for the AWAKE experiment (15'+5')**

*Wednesday 22 April 2015 16:30 (20 minutes)*

**Presenter:** PUKHOV, Alexander (University of Dusseldorf)

**Session Classification:** 8th Plenary Session

Contribution ID: **103**

Type: **not specified**

## **Review of Costheta HTS accelerator magnets (15'+5')**

*Wednesday 22 April 2015 16:50 (20 minutes)*

**Presenter:** LORIN, Clement (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** 8th Plenary Session

Contribution ID: **104**

Type: **not specified**

## **Plasma pulsed irradiation preparation of lead coated photo-cathodes (15'+5')**

*Wednesday 22 April 2015 17:10 (20 minutes)*

**Presenter:** NIETUBYC, Robert (Institute for Nuclear Studies, Swierk)

**Session Classification:** 8th Plenary Session

Contribution ID: **105**

Type: **not specified**

## **Welcome & Introduction**

*Thursday 23 April 2015 09:00 (25 minutes)*

**Presenter:** SEIDEL, Mike (PSI)

**Session Classification:** WP3

Contribution ID: **107**

Type: **not specified**

## **RF Sources - Klystrons**

*Thursday 23 April 2015 09:30 (25 minutes)*

**Presenter:** SYRATCHEV, Igor (CERN)

**Session Classification:** WP3

Contribution ID: **108**

Type: **not specified**

## **Multi-beam IOTs**

*Thursday 23 April 2015 09:55 (25 minutes)*

**Presenter:** MARRELLI, Chiara (CERN)

**Session Classification:** WP3

Contribution ID: **109**

Type: **not specified**

## **Magnets - Tests of pulsed magnet**

*Thursday 23 April 2015 10:50 (25 minutes)*

**Presenter:** SPILLER, Peter (GSI)

**Session Classification:** WP3



Contribution ID: **110**

Type: **not specified**

## **Magnets - Comparison of efficient magnet concepts; status of work**

*Thursday 23 April 2015 11:15 (25 minutes)*

**Presenter:** GARDLOWSKI, Philipp (GSI)

**Session Classification:** WP3

Contribution ID: **111**

Type: **not specified**

## **Energy management - Energy management of SOLEIL**

*Thursday 23 April 2015 11:40 (25 minutes)*

**Presenter:** EYMARD, Philippe (SOLEIL)

**Session Classification:** WP3

Contribution ID: 112

Type: **not specified**

## **Energy Management - Survey on volatility of energy consumption at accelerator labs; status**

*Thursday 23 April 2015 12:05 (25 minutes)*

**Presenter:** STADLMANN, Jens (GSI Darmstadt)

**Session Classification:** WP3

Contribution ID: **113**

Type: **not specified**

## Discussion (see detail)

*Thursday 23 April 2015 14:00 (3 hours)*

- Workshop Energy Management (Stadlmann)
- Workshop Efficiency of Proton Drivers (Seidel)
- Workshop Energy for sustainable science / DESY; session on storage systems, energy management (all)
- A. Galimberti, ELETTRA, collaboration between accelerator labs, alternative workshop format
- Renewal of EuCARD Program starting 2017 (all)
- Ways to document EnEfficient: Energy Handbook for Accelerators (proposal of ThParker); or review paper in NIM/PRST –opinions? Who will do what? (all)

**Session Classification:** WP3