



# The editorial series on accelerator science: overview and perspectives

Editors: Maurizio Vretenar and Ryszard Romaniuk

2nd EuCARD Annual Meeting, ALBA Synchrotron, UAB, 21-24 April 2015



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# Why we publish?

- It was a great and quite novel idea (at the time of birth) to supplement European Accelerator Infrastructure Projects with publication of MONOGRAPHS apart from regular papers
- The idea was born during CARE, supported by TIARA, realized successfully by EuCARD, and is continued actively by EuCARD²
- Idea accepted not without some hesitation, as the topical projects are transient, and short lasting.

- Research & Technical Monographs
- Ph.D. Theses
- Very good M.Sc. Theses
- Ordered/polished laboratory reports
- Interim TDRs
- WP results summaries
- What else?

# How it was in EuCARD?

## Publications

more than **500** publications in CDS

**250** conference papers

**76** journal publications

**18** monographs

**46** PHD theses

## Accelerating News

**17** issues published, featuring all WPs

up to **3750** monthly visits to the website

more than **1060** subscribers

## Accelerator Science Networks

**50** topical workshops/ meetings organized or co-organized

**108** documents produced

**66** exchanges of experts sponsored

## Transnational Access

**38** users received financial support

**HiRadMat@SPS**

**19** users

**9** projects

**MICE@STFC**

**19** users

**131** visits



# Where we are?

- **Results**
- **Publications**: Scientific publications associated with EuCARD-2 work are stored in the CDS database. These publications include: journal publications, conference papers, scientific reports, notes, academic dissertations, presentations and books.
- **Deliverables**: As a contractual commitment to the European Union, the project has committed to a number of reports known as deliverables, which will be written and publicly accessible from the deliverables page.
- **Milestones**: Throughout the project, milestones or checkpoints indicate the success of the project's progress. The full list of milestones is available on the milestones page, including reports where relevant.
- **Monographs**: The Editorial Series on Accelerator Science and Technology was started in 2008 as a joint initiative of the EU FP6 project **CARE** and its successor, the EU FP7 project **EuCARD**. Copies from the Series up to Vol.18 volumes can be ordered **here** free of charge. From Vol 18 copies can be ordered **here**.

- **WP1: Management and Communication (MANCOM)**
- **Objectives**
- Effectively manage and steer the whole project
- Monitoring and reporting of scientific and technical progress
- Contractual and financial follow-up
- Establish a communication network within the project to disseminate information inside and outside the consortium to scientists and the public
- Coordinate the **publication efforts** of the project community
- Coordinate the activities of the five accelerator networks within EuCARD-2
  
- **Tasks**
- Management
- Communication, dissemination and outreach
- **Scientific publications and monographs**
- Coordination of Accelerator Networks (EUCAN)

Bartłomiej Juszcyk  
Grzegorz Kasprówicz

## MicroTCA Based Platform for Advanced Particle Accelerators Diagnostics



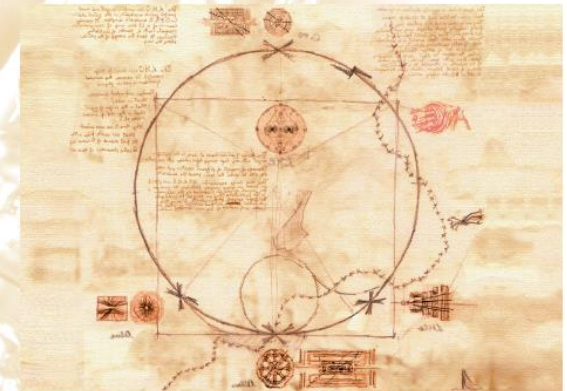
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Institute of Electronic Systems  
Warsaw University of Technology



José Luis Abelleira Fernández

## Optics Designs of Final-Focus Systems for Future LHC Upgrades



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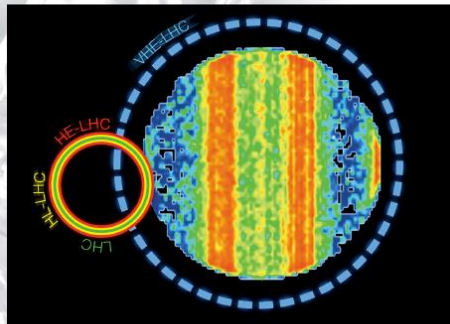


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César Octavio Domínguez Sánchez de la Blanca

## Electron Cloud Studies for the LHC and Future Proton Colliders



Editorial Series on ACCELERATOR SCIENCE

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Hardware Implementation of the Track Identification Algorithm in the Scalable Readout System for the TOTEM Experiment

Adrian Fiergolski

## Hardware Implementation of the Track Identification Algorithm in the Scalable Readout System for the TOTEM Experiment



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- Vol 23 – Cesar O. D. Sanchez, Electron Cloud Studies for the LHC and Future Proton Colliders
- Vol 22 – Jean-Pierre Koutchouk, Agnes Szeberenyi, EuCARD Final Project Report
- Vol 21 – Tomasz Plawski, Digital RF Control System for Superconducting Cavity with Large Lorentz Force Detuning Coefficient
- Vol 20 – Maciej Kwiatkowski, Methods for the Application of Programmable Logic Devices in Electronic Protection Systems for High Energy Particle Accelerators
- Vol.19 – Gianluca Valentino, Fast Automatic Beam Based Alignment of the LHC Collimator Jaws

Most of the EuCARD² Booklets are PhD Theses

- Marija Cauchi, Univ., Malta (Prof.N.J.Sammut)
- MSc thesis on HTS (WP10), CERN (Prof.L.Rossi)
- Accelerator Applications in protection of the EU boundaries (NCNR, Swierk)
- Novel RF technologies
- Proceedings of some EuCARD-2 Networking Workshops?
- More PhD Theses associated with EuCARD and EuCARD²
- APAE Initiative  ; Related: ESS, new detectors planned

Do not wait till the end of the Project. Think of publishing the EuCARD booklet now

- **23 Apr 2015 to 24 Apr 2015**
- 1st Workshop on Low Emittance Lattice Design  
Alba, Barcelona
  
- **10 May 2015 to 15 May 2015**
- Laser and Plasma Accelerators Workshop 2015  
Guadeloupe
  
- **1 Jun 2015 to 2 Jun 2015**
- LLRF and Beam Dynamics Mutual Needs in Hadron Linacs  
ESS, Lund

- Booklets (printed copies) sent to all institutional EuCARD<sup>2</sup> Members (and Authors)
- Booklets available in pdf format via CERN-CDS
- EuCARD<sup>2</sup> results webpage:  
<http://eucard2.web.cern.ch/science/monographs>
- Print on demand: available via the WUT Publisher

- Please think of publishing a booklet within the EuCARD-2 Editorial Series on Accelerator Science
- Booklets/monographs add a new and nice dimension to the project achievements and reporting – internal and external
- If successful, this idea may be adopted by some other projects
- [Ryszard.Romaniuk@cern.ch](mailto:Ryszard.Romaniuk@cern.ch)



Thank you

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Publishing EuCARD<sup>2</sup>  
Monographs  
is a great idea