

APPLICATIONS OF ACCELERATORS IN EUROPE

A. Faus-Golfe

on behalf of APAE committee

Agenda

- APAE Objectives
- APAE working group
 - APAE International Committee
 - Areas, Conveners and Roles
- Kick-off meeting
- Future work

Objectives

The aim of the project is to create a European document equivalent of the "Accelerators for America's Future" document (US focus, 5 years old)

The focus will be on applications of interest in Europe and for which technology developed for research can have an impact. The document will be entitled "**The Applications of Particle Accelerators in Europe**"



Objectives

It is intended for policy makers, as a result, it will be in two parts:

- Executive summary, focussing on the main issues for each country and in the correct language (International Committee)
- Supporting document in English (Conveners)

It is being organized by Work Package 4 of



Avoiding duplications with others existing docs in Europe as: the Nupecc report, but exploiting the complementarity and synergies on work already done in Europe:

- TIARA, Accelerators for Society
- CERN document
- Documents from various countries

Report will be finished by end of EUCARD2 April 2017

The Working Group



WP4:

- ✓ Rob Edgecock (WP4 coordinator)
- ✓ Agnes Szeberenyi



International Organizing Committee:

- ✓ Roy Aleksan
- ✓ Oliver Boine-Frankenheim
- ✓ Phil Burrows
- ✓ Angeles Faus-Golfe
- ✓ Steve Myers
- ✓ Andrea Pisent

International Committee and Roles

International Committee charge is:

- Identify the areas and the conveners
- Coordinate and support the different areas and conveners
- Meeting organization: kick-off meeting
- Responsible of the Executive summary written, focussing on the main issues for each country and in the correct language
- Ensure Main doc (English) is well balanced

Areas, Conveners and Roles

Energy

Fission: E. Mund (emund@ulb.ac.be)

Fusion: A. Mosnier (alban.mosnier@cea.fr)

Accelerators: J.L. Biarrott (biarrott@ipno.in2p3.fr)

Health

Radiotherapy: M. Dosanjh (manjit.dosanjh@cern.ch)

Radioisotopes: O. Lebeda

Accelerators: H. Owen (hywel.owen@manchester.ac.uk)

Industry & Environment

Ion implantation: R. Webb (r.webb@surrey.ac.uk)

Ion beam analysis: M. Chiari (chiari@fi.infn.it)

e⁻ beam treatment and uses: A. Chmielewski
(a.chmielewski@ichtj.waw.pl)

e⁻ accelerators: F. Roegner
(frank-holm.roegner@fep.fraunhofer.de)

Security

G. Burt (g.burt1@lancaster.ac.uk)

Photonics

L. Rivkin (leonid.rivkin@psi.ch)

Areas, Conveners and Roles

Conveners charge will be to:

- Identify the agenda and speakers for the appropriate session at the kick-off meeting
- Invite participants to the meeting
- Create a working group to deliver a chapter for the application area
- Ensure that this chapter is written



Kick-off meeting

This kick-off meeting will bring together people who are willing to contribute to this document and will focus on several topics including Industry and Environment (Ion and Electron beams), Security, Health, Photonics and Energy.

If you are working in one of these fields, are interested in this activity and willing to contribute, we invite you to attend, be part of the project and have your say.

21-23 April 2015



APAE kick-off meeting

“THE APPLICATIONS OF
PARTICLE ACCELERATORS
IN EUROPE”

<http://indico.cern.ch/e/APAE-2015.html>

Royal Academy of Engineering
London, 18-19 June 2015

International Organising Committee:

Roy Aleksan (CEA)
Oliver Boine-Frankenheim (GSI & TU Darmstadt)
Phil Burrows (Oxford)
Angeles Faus-Golfe (IFIC Valencia) - Chair
Steve Myers (CERN)
Andrea Pisent (INFN LNL)
Rob Edgecock (Huddersfield & STFC) - WP4 coordinator
Agnes Szeberenyi (CERN) - EuCARD2 Communications





Kick-off meeting

This kick-off meeting will bring together people who are willing to contribute to this document and will focus on several topics including Industry Environment (Ion beams), Security Photonics and

If you are interested in the project, please contact us and let us know

Registration is open.....If you are interested in the project, but unable to attend the meeting, please contact us and let us know


Publications of the Accelerators in Europe

<http://indico.cern.ch/e/APAE-2015.html>

Royal Academy of Engineering
London, 18-19 June 2015

International Organising Committee:

- Roy Aleksan (CEA)
- Oliver Boine-Frankenheim (GSI & TU Darmstadt)
- Phil Burrows (Oxford)
- Angeles Faus-Golfe (IFIC Valencia) - Chair
- Steve Myers (CERN)
- Andrea Pisent (INFN LNL)
- Rob Edgecock (Huddersfield & STFC) - WP4 coordinator
- Agnes Szeberenyi (CERN) - EuCARD2 Communications



Next Steps

- 23th April meeting in the framework of 2nd EUCARD2 meeting in Barcelona <http://indico.cern.ch/event/364085>
- Kick-off meeting Mid 2015 <http://indico.cern.ch/event/377384/overview>
- Mid-term meeting End 2015
- Meeting in the framework of 3rd EUCARD2 meeting in ???
- Printing the document End 2016
- Document presented on April 2017 in EUCARD2 meeting