



# Introduction to 1<sup>st</sup> Low Emittance Lattice Design (LELD) Workshop

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UAB Campus, Barcelona, 23-24 April 2015

# 1<sup>st</sup> LELD Workshop

This event is the first topical workshop dedicated to **Lattice Design** within the WP6 series of Low Emittance Ring Workshops of the Eucard-2 Project.

**Work Package coordinators:** R. Bartolini, S. Guiducci, Y. Papaphilippou.

## **Previous WP6 workshops have been:**

2013 July – 1st Low Emittance Ring (LER) general Workshop – Oxford

2014 January – Collective effects (TWIICE) – Paris

2014 May – Technology (ALERT) – Valencia

2014 September – 2nd general Workshop – Frascati

**Scope of the Lattice Design (LELD) workshop:** gather experts working on lattice design for low emittance lepton rings (**light sources, damping rings for linear colliders, storage rings for e+e- colliders**).

**1<sup>st</sup> LELD workshop organizing committee:** M. Boege, G. Benedetti, A. Streun

**Secretariat:** Julia Cachet, Daimí Pérez

# Workshop Organization

4 main sessions reflecting the workshop tasks + 1 special session dedicated to Future Circular Colliders:

- **Design Concepts** → Thursday morning
- **Design Tools / Tools for Non-linear Optimization** → Thursday afternoon
- **Error sensitivity / Alignment Strategies / Correction Schemes** → Friday morning
- **Influence of Collective Effects on Design** → Friday afternoon
- **Future Circular Colliders** → Friday afternoon

10-30 minutes discussion / short contributions time before breaks or at end of each session.

# Talks

25 talks (plus mini talks) distributed in 5 sessions.

The sessions will start with tutorial like educational talks which prepare the floor for short contributions on particular aspects.

## Time for talks:

- Introductory \*Talks: 25' + 5' for questions / discussion
- Short Talks: 15' or 20' + 5' for questions / discussion
- Mini Talks: 5'

## Remember:

- Leave 5 minutes time for questions!
- Upload your presentation well in advance before your talk. Ask the organizers and secretaries to help you if case you need it.

# Practical Info for Today

## Eucard-2 SAC Report

- At 12:20 we have to stop the morning session for the SAC report/closeout of the Eucard-2 Annual Meeting. All the delegates participating in the other WP meetings will join our meeting room.
- Lunch for LELD workshop delegates will take place close by the reception.

## Visit to the ALBA light source

- The Eucard-2 annual meeting organized a guided visit to ALBA in parallel with the LELD workshop sessions. This is taking place only for delegates who already registered for it.
- Please, check the list of the groups for the visit by the secretaries and meet at the Campus Hotel reception desk 15 MINUTES before your scheduled time.

## Dinner to Barcelona

- The bus to Barcelona will leave at 19:00 from Campus Hotel.

# Enjoy the workshop!



## 1st Workshop on Low Emittance Lattice Design

23-24 April 2015

Hosted by the ALBA Synchrotron on the Campus of the Autonomous University of Barcelona, Spain

Europe/Zurich timezone

 

Registration is complete

Overview

Programme

Contribution List

Registration

Participant List

Accommodation

Committees

Social Events

Transport & Directions

Maps

Uploading presentations

Facility Visit

EuCARD-2 Annual Meeting

Secretariat

The 1st Workshop on Low Emittance Ring Lattice Design will be held from 23-24 April 2015, hosted by the ALBA Synchrotron on the Campus of the Autonomous University of Barcelona.

The workshop will focus on the following topics:

- Design Concepts
- Design Tools / Tools for Non-linear Optimization
- Error Sensitivity / Alignment Strategies / Correction Schemes
- Influence of Collective Effects on Designs

The sessions will start with tutorial like educational talks (\* see programme) which prepare the floor for short contributions on particular aspects followed by discussions. All participants are invited to propose contributions to the organizing committee.

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**Starts** 23 Apr 2015 08:00  
**Ends** 24 Apr 2015 19:50  
Europe/Zurich



Hosted by the ALBA Synchrotron on the Campus of the Autonomous University of Barcelona, Spain  
Barcelona, Spain