



Welcome

Oscar Matilla : Program chair

David Fernández : Conference Chair



The Synchrotron ALBA





For any concerns during the conference, contact the registration desk or anyone from the local organizing team.



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Nuclear-based science benefiting all Australians



6,8

BECKHOFF

13



3



microTCA
TECHNOLOGY LAB
A HELMHOLTZ INNOVATION LAB

7



1-2



19



14



6,8



20



4



17



6,8



5



ScienTec Ibérica

15



6,8



6,8



10



6-8



12



16



6-8

SIEMENS
Ingenio para la vida

9-11

Thank you to the program committee for their commitment.

We thank the ICALPECS ISAC and the Chair Andy Götz (ESRF)



Program Committee

Reinhard Bacher (DESY, GE)	Kuo-Tung Hsu (NSRRC, TW)
Matthew Bickley (JLAB, US)	Markus Janousch (PSI, CH)
Eric Bjorklund (LANL, US)	Nicolas Janvier (ESRF, FR)
Enrique Blanco (CERN, CH)	Timo Korhonen (ESS, SE)
Kevin Brown (BNL, US)	Marco Lanza (ELETTRA, IT)
Gordon Brunton (LLNL, US)	Chris Marshall (LNLS, US)
Alain Buteau (SOLEIL, FR)	Tomohiro Matsushita (SPRING8, JP)
Enzo Carrone (SLAC, US)	John Maclean (APS, US)
Jean Michel Chaize (ESRF, FR)	Oscar Matilla (ALBA, ES)
Gianluca Chiozzi (ESO, GE)	Roland Müller (BESSY, GE)
Peter Clout (IEEE, US)	Seth Nemesure (BNL, US)
Guifré Cuní (ALBA, ES)	Denis Nicklaus (FERMILAB, US)
Jin Dapeng (IHEP, CN)	James Piton (LNLS, BR)
Alessandro Ercolani (ESA, GE)	Javier Serrano (CERN, CH)
Richard Farnsworth (BNL, US)	Hamid Shoaee (SLAC, US)
David Fernández (ALBA, ES)	Young-Gi Song (KAERI, KR)
Kazuro Furukawa (KEK, JP)	Darren Spruce (MAXIV, SE)
Manuel González Berges (CERN, CH)	Ryotaro Tanaka (SRING8, JP)
Andy Götz (ESRF, FR)	Lize Van der Heever (SKA, ZA)
Juan Carlos Guzman (CSIRO, AU)	Karen White (SNS, US)
Nick Hauser (ANSTO, AU)	Noboru Yamamoto (KEK, JP)
Mark Heron (DLS, UK)	Yingbing Yan (SSRF, CN)
Larry Hoff (FRIB, US)	

Speakers ready room.

In order to run the sessions smoothly:

All speakers are encouraged to load and verify their presentations the day before

Posters:

Tuesday session can be mounted from now.
Remove Wednesday at coffee break.

Program
at a Glance

Sunday, 8
16:00 - 20:00 Registration opens
18:30 Welcome Reception

ICALEPCS2017
Barcelona - Spain, October 8-13 - Palau de Congressos de Catalunya



	Monday, 9 Plenary	Tuesday, 10 Plenary Parallel	Wednesday, 11 Plenary	Thursday, 12 Plenary Parallel	Friday, 13 Plenary	
08:30	Opening Session MOOPL	Keynote Speaker 2 Michel Ossmann TUKPL	Feedback Control and Process Tuning WEAPL	Keynote Speaker 4 Gregorio Ameyugo THKPL	Keynote Speaker 5 Eugenio Coccia FRKPL	08:30
08:45						08:45
09:00	Keynote Speaker 1 Caterina Biscari & Salvador Ferrer MOKPL					09:00
09:15						09:15
09:30						09:30
09:45				User Interfaces and User Experience (UX) 2 THAPL	Project Status Report 2 FRAPL	09:45
10:00	Project Status Report 1 MOAPL	Hardware Technology TUAPL				10:00
10:15						10:15
10:30			Coffee Break			10:30
10:45						10:45
11:00	Coffee Break	Group Photo		Coffee Break		11:00
11:15		Coffee Break				11:15
11:30			Experiment Control 1 WEBPL	Software Technology Evolution 3 THBPL	IT Infrastructure for Control Systems THBPA	11:30
11:45	Software Technology Evolution 1 MOBPL	User Interfaces and User Experience (UX) 1 TUBPL				11:45
12:00		Data Management & Processing TUBPA				12:00
12:15						12:15
12:30			Keynote Speaker 3 Carles Gelpi WEKPL			12:30
12:45				Lunch		12:45
13:00						13:00
13:15	Lunch	Lunch				13:15
13:30		Industry Session TUIPA				13:30
13:45			Lunch			13:45
14:00				Systems Engineering, Collaborations and Project Management THCPL	Functional Safety and Machine Protection Systems THCPA	14:00
14:15	Integrating Diverse Systems MOCPL	Timing & Synchronization TUCPL				14:15
14:30		Data Analytics TUCPA				14:30
14:45						14:45
15:00						15:00
15:15						15:15
15:30						15:30
15:45	Coffee Break	Coffee Break	Visit to the Sagrada Família	Coffee Break	ALBA Synchrotron Tour	15:45
16:00		Software Technology Evolution 2 TUDPL		Experiment Control 2 THDPL		16:00
16:15						16:15
16:30		Mini-Oral TUMPL		Mini-Oral THMPL		16:30
16:45		Mini-Oral TUMPA		Mini-Oral THMPA		16:45
17:00	Control System Upgrades MODPL					17:00
17:15						17:15
17:30						17:30
17:45		Poster & Speakers' Corner Session TUPHA - TUSH1 - TUSH2 - TUSH3		Poster & Speakers' Corner Session THPHA - THSH1 - THSH2 - THSH3		17:45
18:00						18:00
18:15						18:15
18:30						18:30
18:45						18:45
19:00						19:00
20:00				Conference Dinner		20:00

Conference
Key Codes

Day		Sessions	Room / Area	
MO - Monday	TH - Thursday	A, B, C, D - For oral sessions	M - Mini-Oral with Poster	PL - Plenary room
TU - Tuesday	FR - Friday	O - Opening	P - Poster	PA - Parallel room
WE - Wednesday		K - Keynote	S - Speakers' Corner & Poster	HA - Hall
		X - Closing	I - Industry Session	
				H1 - Speakers' Corner 1
				H2 - Speakers' Corner 2
				H3 - Speakers' Corner 3

Program tracks .

Diverse with interesting points in common for you to exploit

- 1. Experiment Control
- 2. Functional Safety and Machine Protection
- 3. Software Technology Evolution
- 4. User Interfaces and User eXperience (UX)
- 5. Project Status Reports
- 6. Control Systems Upgrades
- 7. Data Management and Processing
- 8. Integrating Diverse Systems
- 9. IT infrastructure for control systems
- 10. Feedback Control and Process Tuning
- 11. Hardware Technology
- 12. Timing and Synchronization
- 13. Systems Engineering, Collaborations and Project Management
- 14. Data Analytics

Workshops (last weekend)

1. EPICS Satellite Meeting
2. White Rabbit Tutorial Workshop
3. TANGO Workshop
4. PLC Based Control Systems
5. HDF5 and Data Format
6. Control System Cybersecurity
7. Motion Control Workshop
8. Sardana - Scientific SCADA Suite
9. User Experience in MicroTCA
10. MRF Timing Protocol Users

559 registrations

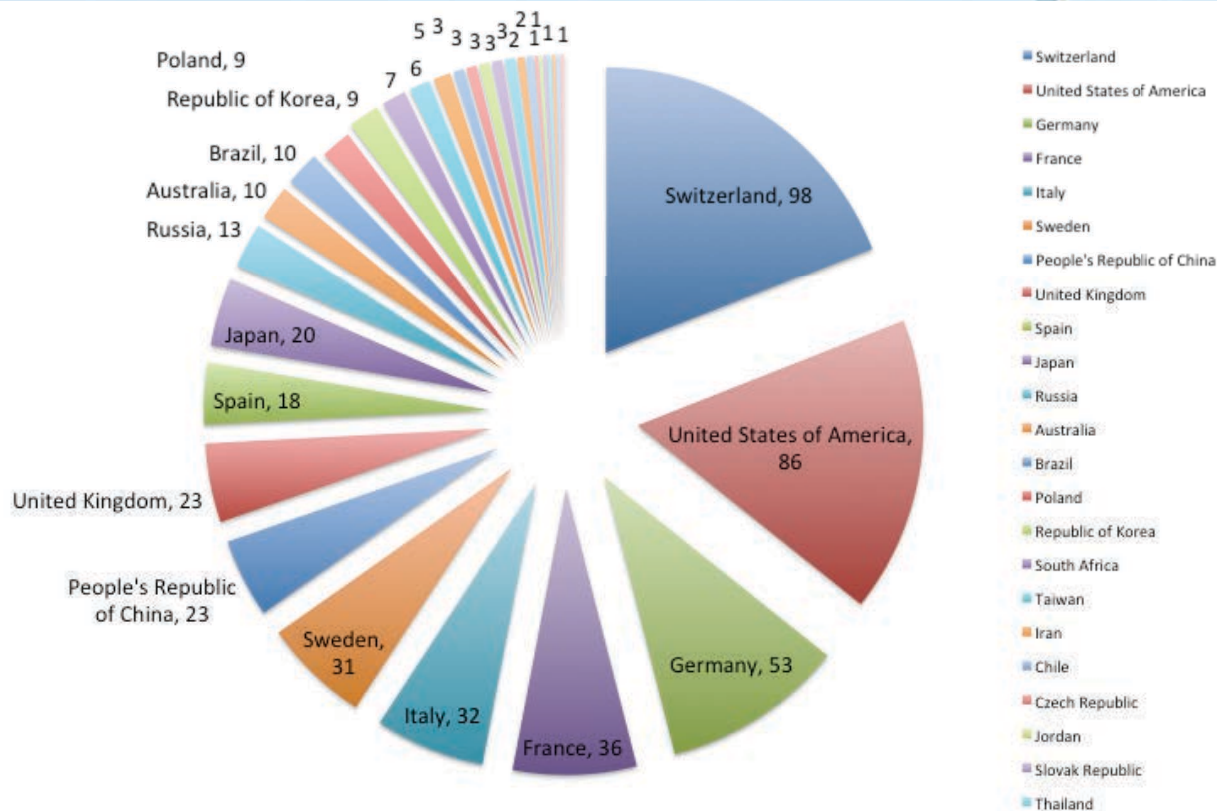


518 Abstracts

08/10/2017 - 10:50:23

Contributions (518)

Assignable	273	52.70%
No Files	245	47.30%
Unassigned	168	61.54%
Assigned	105	38.46%





ICALEPCS2017

Barcelona · Spain, October 8-13

Palau de Congressos de Catalunya



**16th International Conference on
Accelerator and Large Experimental
Physics Control Systems**

Organizer



**Final Program &
Abstract Book**

New!.

Speakers' corners life demos

- **...the final program includes**

- 5 keynotes
- 111 orals (parallel sessions and poster sessions on Tuesday and Thursday)
- 400 posters (divided in 2 poster sessions on Tuesday and Thursday)
 - 36 mini-orals
 - 17 speakers corners live demos

Thank you to the keynote speakers

Caterina Biscari and Salvador Ferrer



Michael Ossmann



Carles Gelpí



Gregorio Ameyugo



Eugenio Coccia



- Evolution of photon sources
- Lessons learned as hacker, researcher and open source developer
- The Sagrada Familia basilica by Antoni Gaudí
- Advanced manufacturing and emerging technology trends
- The birth of gravitational wave astronomy



ICALEPCS 2017 Editorial team

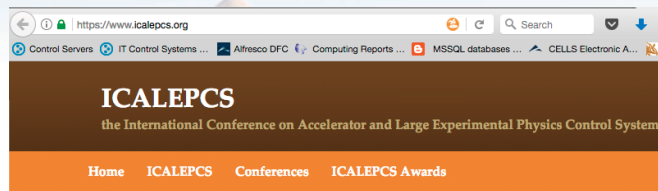
Name	Institute
Ivan Andrian	Elettra
Jan Chrin	PSI
Isidre Costa	ALBA
Michaela Marx	DESY
Montse Prieto	ALBA
Volker RW Schaa	JACoW/GSI
Raphael Müller	GSI
Kathleen Riches	Australian Synchrotron
Rafael Cazorla	ALBA

You should have submitted your papers by now.

- Please check paper status (**G/Y/R**) on the monitor outside the plenary room



16th International Conference on Accelerator and Large Experimental Physics Control Systems



Welcome to the site of ICALEPCS the
International Conference on Accelerator
and Large Experimental Physics Control
Systems

Navigation

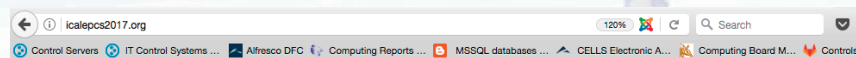
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The International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS) is a biennial series of conferences inaugurated by a number of control system specialists from accelerator laboratories around the world.

The next event will take place in October 2017 in Barcelona, Spain, and will be hosted by ALBA / CELLS

Please, contact the "ICALEPCS Executive Committee" at icc-chair@icaleps.org for any further information concerning the ICALEPCS series.

Hosted by the Computing & Controls Division (webmaster (at) cells.es) of the ALBA Synchrotron (CELLS),
Carrer de la Llum 2-26, Cerdanyola de Valles, Barcelona, Spain



ICALEPCS2017
Barcelona · Spain, October 8-13 · Palau de Congressos de Catalunya



Visit to Alba Synchrotron fully booked!



LATEST NEWS



KEY DATES



PROGRAM



WORKSHOPS



REGISTRATION

Printed program and app



**Final Program &
Abstract Book**



30

Use the APP to Vote for the best poster of each poster session!



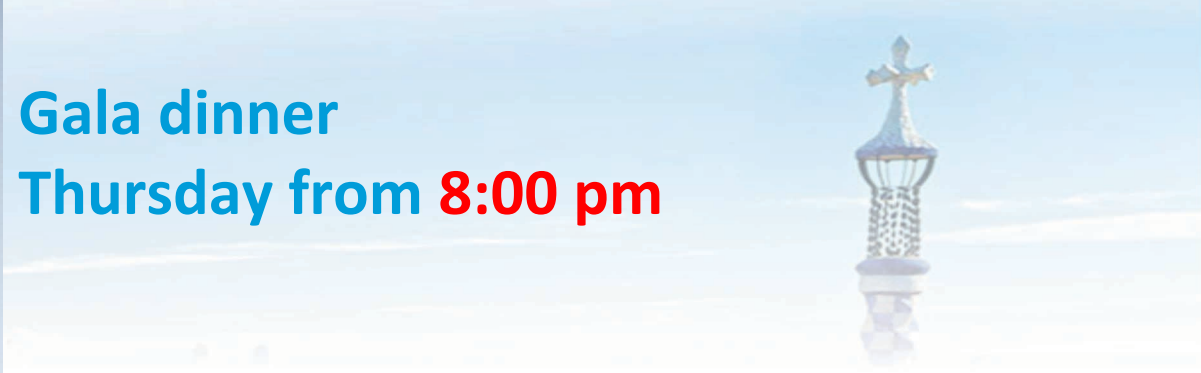
Sagrada Familia basilica. Wed, 15:00



Oct, 12th, 8:00 pm



Gala dinner
Thursday from 8:00 pm



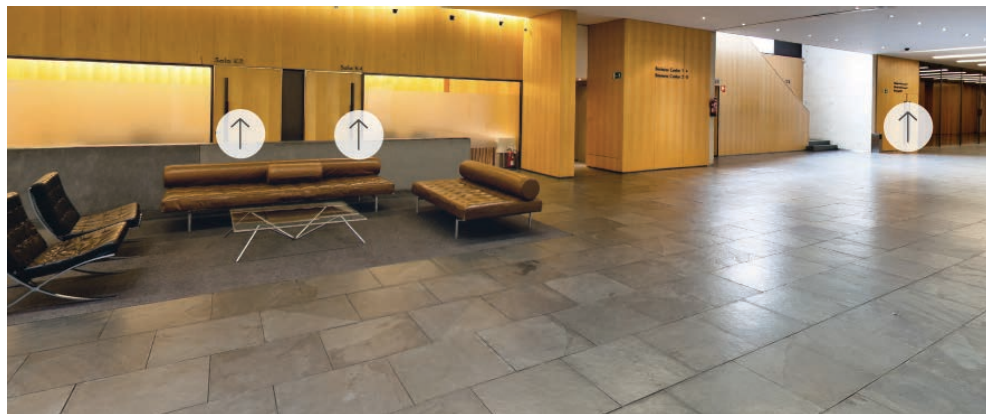
Visit to ALBA synchrotron. Friday from 13:15



Interact, talk, collaborate...

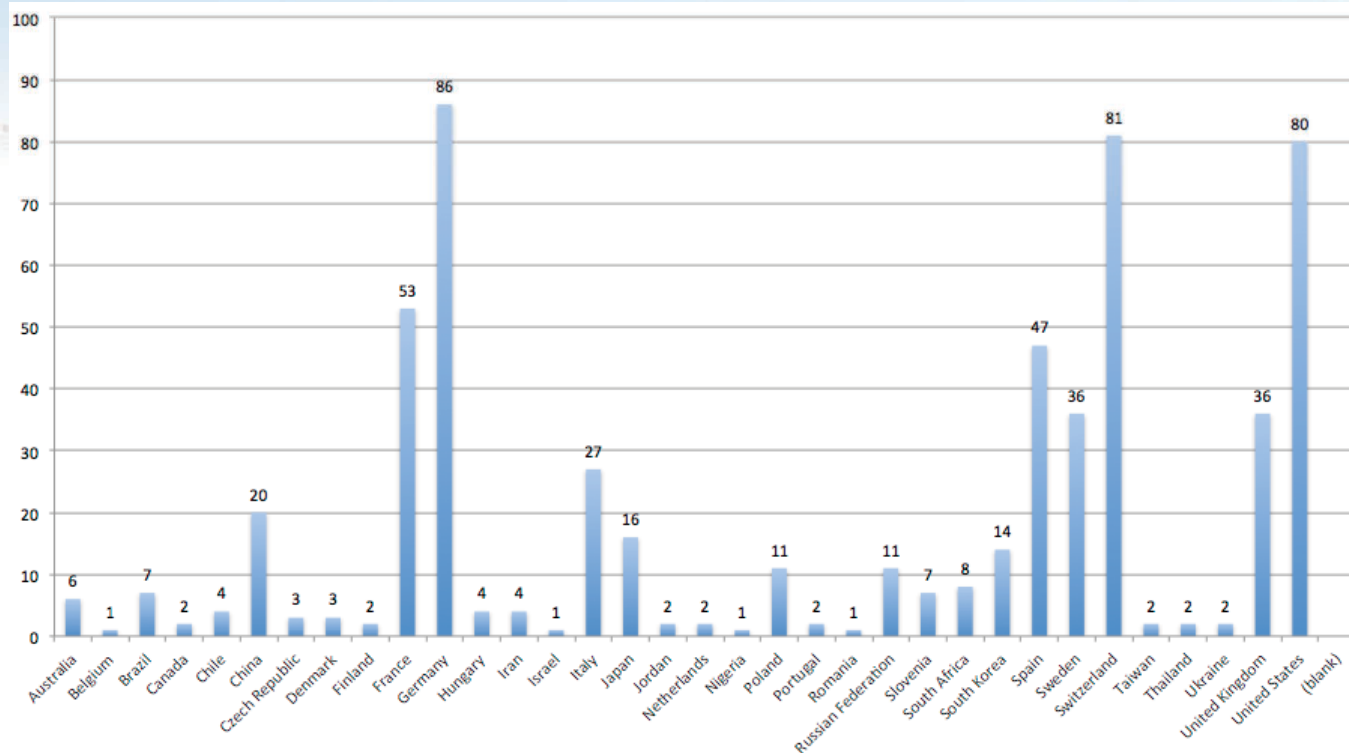
Video and sound broadcasted to the common area

- Common area with chairs.
- Rooms also available on request to have more private meetings
- Take the opportunity to chat with our Exhibitors



Grand total 654: (575 delegates

34 + 36 from exhibition, 9 editors and the local support staff)



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Barcelona · Spain, October 8-13

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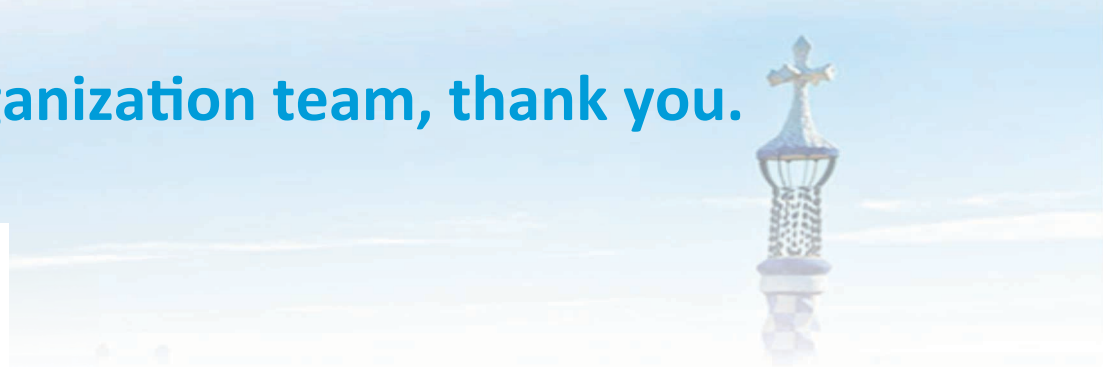
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#ALBA synchrotron organises #ICALEPCS2017 - #Barcelona International Conference on #Accelerator & Large Experimental #Physics #ControlSystems

www.icalepcs2017.org

TRACKS
Experiment control

KEY DATES 2017
February 1 Abstract Submission begins

On behalf of the local organization team, thank you. Profit and enjoy



The evolution of photon sources.

Caterina Biscari, Salvador Ferrer

