

### **Welcome to San Francisco!**

- Thank you for your attendance at ICALEPCS!
- We plan to have a great 2013 conference experience for all participants in the tradition of ICALEPCS over the past 2 decades

WiFi available throughout Hyatt select icalepcs2013 password 2013icalepcs







Please do not leave computers and mobile phones unattended in meeting rooms

### Thanks to our Patrons and Technical Sponsors

#### **Sponsors & Patrons**







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#### **Technical Sponsors**



The Association of Asia Pacific Physical Societies



**EPS - EPCS** 



The Physical Society of Japan



**Nuclear & Plasma Sciences Society** 

#### Thanks to our Exhibitors









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Tessella

# **ICALEPCS** Agenda

	6 Sun	day	7 Mo	nday	8 Tue	esday
8:00			Continental Breakfast - Ballroom Foyer		Continental Breakfast - Ballroom Foyer	
	Workshops		Opening and Welcon Ballroom A&B	ne Address	Keynote Ed	Moses
9:00	Seacliff,		Keynote Marian Petre		Ballroom A&B	
	Bayview,		Baliroom A&B		Project Status Reports-2 Ballroom A&B	
10:00	& Plaza		Project Status			
			Reports-1	Coffee Break Pacific Concourse	Coffee Break - Pacif	
11:00			Ballroom	acine concourse	Collaboratio	agement and
11.00			A&B		Ballroom A&	
12:00			Lunch		Group Photo - Atrius	
12.00			Lunch		Lunch	
10.00						
13:00			Voynete Mik	o Contori	Poster-2 +	Mini Oral-2
			Keynote Mik	e Santori	Industrial	Ballroom A&B Refreshments
14:00			Integrating		Exhib. Pacific Concourse	Pacific
			Complex			Concourse
15:00		Registration	Systems Ballroom	Coffee Break Pacific Concourse	Safety and	Software
		Atrium	A&B		Machine	Technology
16:00		Lobby	1.70 170 00 00 00 00 00 00 00 00 00 00 00 00 0	vandama	Protection	Evolution
			Workshop O	Mini Oral-1	Ballroom A	Ballroom B
17:00	Welcome		Poster-1 + Industrial	Ballroom A&B		
17.00	Meeting and		Exhib. Pacific			
18:00	Reception		Concourse		Mobile Blotfe	NPM
10.00	Atrium				Mobile Platform Roundtable	
10.00	Lobby				Ballroom A&	D
19:00	LODDY				Ballioolli Ad	В
20:00						
21:00						
22:00						
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8:00
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22:00

9 Wedn	esday	10 Thursday		11 Friday	
Continental Breakfast - Ballroom Foyer		Continental Breakfas	st - Ballroom Foyer	Continental Breakfast - Ballroom Foyer	
Keynote Charles Elac Ballroom A&B	hi	Keynote Matt Ettus Ballroom A&B		Keynote Henrik Stahl Ballroom A&B	
Experiment C		User		Experiment Control - 2	
Ballroom A&I		Interfaces		Ballroom	Coffee Break
Coffee Break - Pacific	Concourse	and Tools	Coffee Break Pacific Concourse	A&B	Pacific Concourse
Data	Hardware	Ballroom		7.00	
Management		A&B			
Ballroom A					
Ballicolli A		Lunch		Lunch	
NIF Tour					
Mir Tour		Poster-3 + Industrial	Mini Oral-3 Ballroom A&B	Feedback Systems	
		Exhib. Pacific	Refreshments Pacific	Ballroom A&B	
		Concourse	Concourse	TO SECURE OF SECURE AND ADDRESS OF SECURE AN	
		Control Systems	Control		
			Systems Upgrades	Technical Summary 2013, Closing Remarks	
			Ballroom B	Ballroom A&B	
		Timing &	Knowledge		
		Syncronization Ballroom A	Based Techniques		
		Ballroom A	Ballroom B		
<b>Banquet and</b>	Awards,				
Alexander Ro	se				
One Market					
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### **Emergency Responses**

 In case of life threatening emergency dial "911" from any cell phone or hotel phone with external line

In emergency such as fire or earthquake please exit the building

through doors with a green lit "exit" sign

 Emergency gathering spot is Justin Hermann Plaza

Hyatt Regency Hotel

- Hotel Emergency Number is 55
- Hotel non-emergency number is 4000

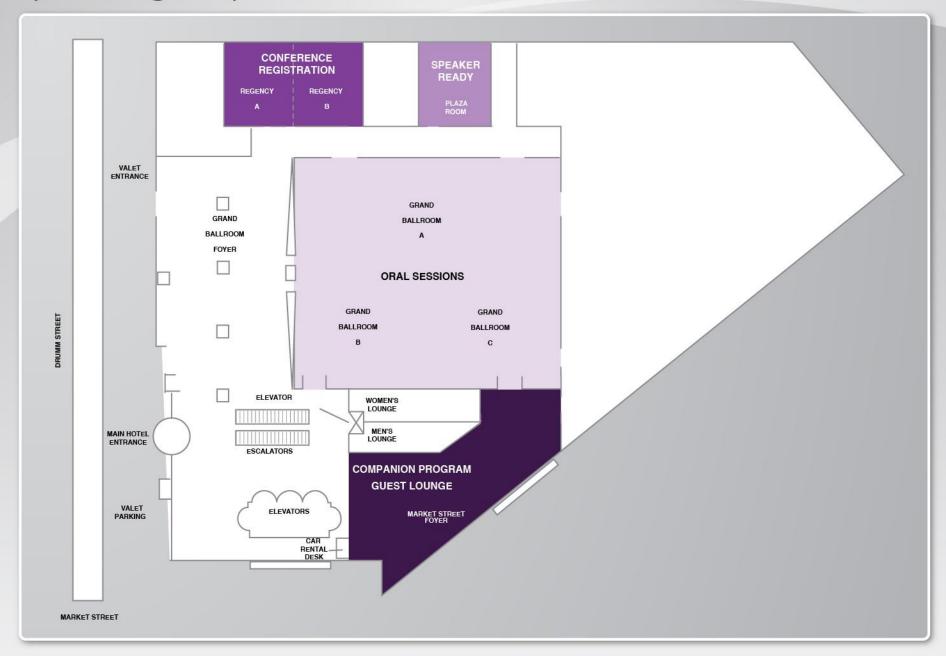


### Thank you to the International Scientific Advisory Committee!

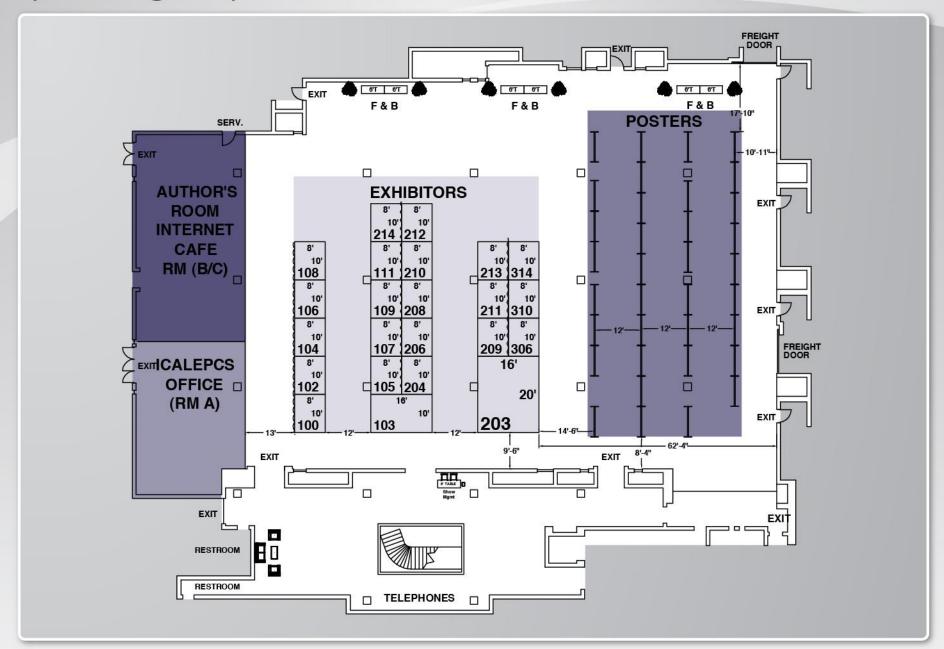
Name	Role	Institution
Roland Müller	ISAC Chair	HZB
Christopher Marshall	2013 Conference Chair	NIF/LLNL
Peg Folta	2013 Program Chair	NIF/LLNL
Lou Corvetti	2015 Conference Chair	Australian Synchrotron
Andy Götz	2011 Conference Chair	ESRF
Reinhard Bacher		DESY
Ralph Baer		GSI
Pascale Betinelli		SOLEIL
Matthew Bickley		JLAB
Eric Bjorklund		LANL
Jean-Michel Chaize		ESRF
Gianluca Chiozzi		ESO
Kazuro Furukawa		KEK
Philippe Gayet		CERN
Juan Guzman		ASKAP/CSIRO
Nick Hauser		ANSTO
Mark Heron		Diamond
Larry Hoff		BNL
Kuo-Tung Hsu		NSRRC

Name	Institution
Jorg Klora	ALBA
Timo Korhonen	PSI
Lawrence Lagin	NIF/LLNL
Ge Lei	IHEP
Sehn Liren	SSRF/SINAP
Marco Lonza	ELETTRA
John Maclean	Argonne
Mike Mouat	TRIUMF
Niko Neufeld	CERN
Mi-Young Park	KSTAR/KAERI
James Patrick	Fermilab
Stephane Perez	CEA/LMJ
James Piton	LNLS
Javier Serrano	CERN
Hamid Shoaee	SLAC
Shigeru Sudo	NIFS
Ryotaro Tanaka	Spring-8
Anders Wallander	ITER
Karen White	ORNL/SNS
Noboru Yamamoto	KEK

### **Hyatt Regency** — Street Level



### **Hyatt Regency** — Poster Presentations and Exhibitors





# Introducing the ICALEPCS 2013 Local Organizing Committee (LOC)

Trina Voelker **LOC Chair** voelker4@llnl.gov **Christopher Marshall** marshall14@llnl.gov **Conference Chair Peg Folta** folta2@llnl.gov **Scientific Program Chair Timothy Frazier** frazier4@llnl.gov **Sponsorship Co-Chair** demaret1@llnl.gov **Sponsorship Co-Chair Bob Demaret** John Fisher fisher23@llnl.gov **Information Systems Chair Cindy Cassady** cassady1@llnl.gov **Conference Proceedings Editor** 

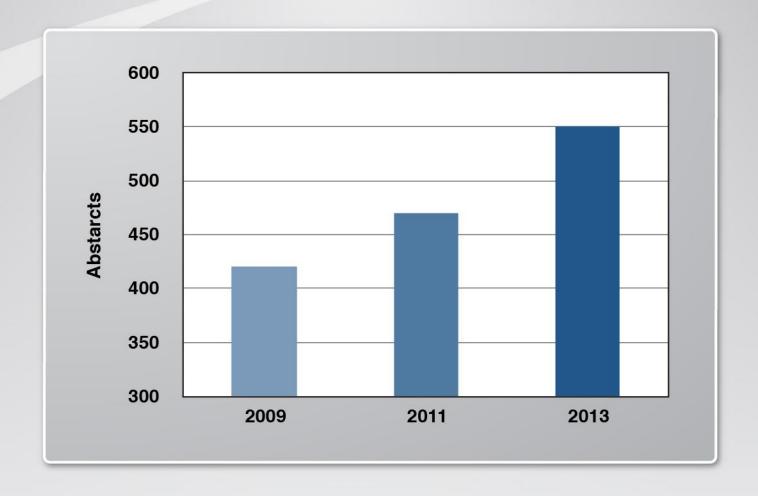
shapovalov1@IInl.gov Exhibitor Coordinator

For any concerns during the conference please contact the registration desk whom can get in touch with any of us

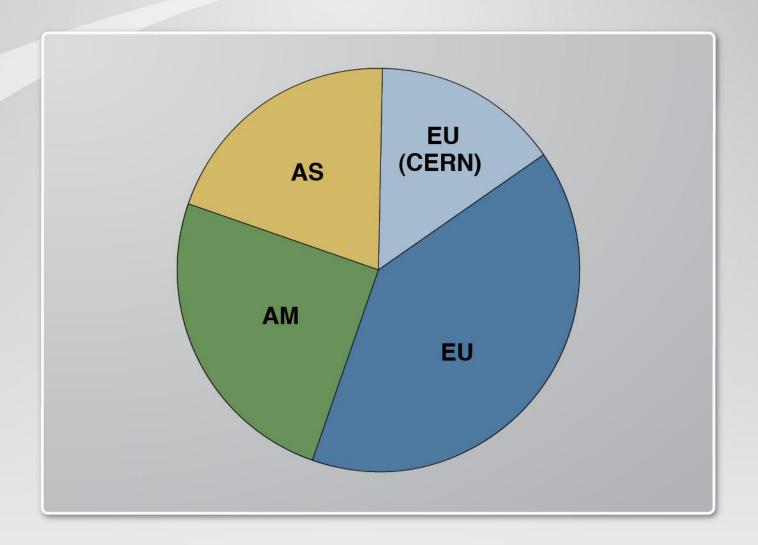
Mila Shapovalov



### Abstract submissions reached 550 in 2013!

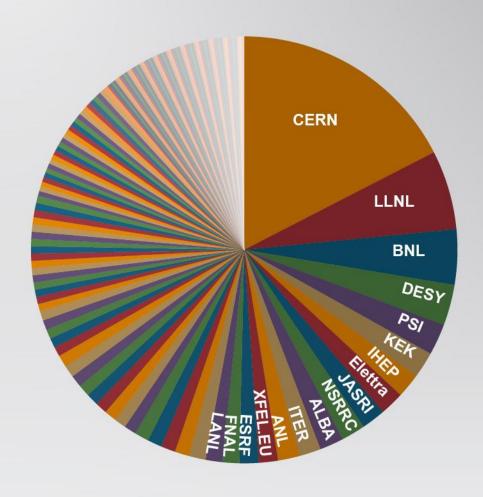


### Abstracts by region with special recognition for CERN



### **Abstracts by Country and Institute**

#	Country	Ora	ral Preferred Poster		Poster
1	United States of America	75	27.99%	44	15.60%
2	Switzerland	50	18.66%	63	22.34%
3	Germany	34	12.69%	24	8.51%
4	France	29	10.82%	13	4.61%
5	Japan	20	7.46%	21	7.45%
6	People's Republic of China	2	0.75%	28	9.93%
7	Russia	5	1.87%	16	5.67%
8	Italy	8	2.99%	11	3.90%
9	India	11	4.10%	3	1.06%
10	Spain	7	2.61%	4	1.42%
11	Canada	1	0.37%	9	3.19%
12	Taiwan	0	0.00%	10	3.55%
13	Republic of Korea	1	0.37%	7	2.48%
14	Slovenia	3	1.12%	5	1.77%
15	United Kingdom	5	1.87%	3	1.06%
16	Australia	4	1.49%	1	0.35%
17	Austria	0	0.00%	5	1.77%
18	Brazil	1	0.37%	4	1.42%
19	Sweden	3	1.12%	2	0.71%
20	Czech Republic	1	0.37%	2	0.71%
21	Poland	0	0.00%	3	1.06%
22	South Africa	2	0.75%	1	0.35%
23	Jordan	2	0.75%	0	0.00%
24	Ukraine	0	0.00%	2	0.71%
25	Armenia	1	0.37%	0	0.00%
26	Belgium	1	0.37%	0	0.00%
27	Chile	1	0.37%	0	0.00%
28	Malta	0	0.00%	1	0.35%
29	The Netherlands	1	0.37%	0	0.00%
	Total Contributions	268	48.73%	282	51.27%



### Thank you to the Program Committee!

Name	Role	Institution
Reinhard Bacher	User Interfaces and Tools	DESY
Pascale Betinelli	Project Management and Collaboration	SOLEIL
Matthew Bickley	Data Management and Processing	JLAB
Eric Bjorklund	User Interfaces and Tools	LANL
Gordon Brunton	Integrating Complex or Diverse Systems	LLNL
Enzo Carrone	Personnel Safety and Machine Protection	SLAC
Allan Casey	User Interfaces and Tools	LLNL
Jean-Michel Chaize	Knowledge-based Techniques	ESRF
Gianluca Chiozzi	Software Technology Evolution	ESO
Peter Clout	Control System Upgrades	Vista Control Systems
Lou Corvetti	Project Management and Collaboration	Australian Synchrotron
Kazuro Furukawa	Timing Sync	KEK
Philippe Gayet	Integrating Complex or Diverse Systems	CERN
Andy Gotz	Experiment Control	ESRF
Juan Guzman	Software Technology Evolution	ASKAP/CSIRO
Nick Hauser	Data Management and Processing	ANSTO
Mark Heron	Feedback Systems	Diamond
Larry Hoff	Control Systems Infrastructure	BNL
David Fernandez-Carreiras	Control System Upgrades	ALBA
Timo Korhonen	Feedback Systems	PSI
Renata Krempaska	Control Systems Infrastructure	PSI
Larry Lagin	Control System Upgrades	LLNL
Patrick Ledu	Control System Upgrades	IPNL
Marco Lonza	Knowledge-based Techniques	ELETTRA
John Maclean	Project Status Reports	Argonne
Mike Mouat	Personnel Safety and Machine Protection	TRIUMF
Roland Mueller	at large	HZB
Niko Neufeld	Experiment Control	CERN
James Patrick	Control Systems Infrastructure	Fermilab
Stephane Perez	Timing Sync	CEA/LMJ
Javier Serrano	Hardware Technology	CERN
Hamid Shoaee	Project Status Reports	SLAC
Andrew Starritt	Project Management and Collaboration	ANSTO
Ryotaro Tanaka	Project Status Reports	Spring-8
Daniel Tavares	Hardware Technology	Brazilian light source
Anders Wallander	Project Status Reports	ITER
Karen White	Experiment Control	ORNL/SNS
Markus Zerlauth	Personnel Safety and Machine Protection	CERN

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9:00	Seacliff,		Keynote Marian Petre		Ballroom A&B	
	Bayview,		Ballroom A&	В	Project Statu	A Section of the Control of the Cont
10:00	& Plaza		Project		Ballroom A&	
10.00	G. 1 10.2.0		Status	Coffee Break	Coffee Break - Pacifi	
11:00			Reports-1	Pacific Concourse	Project Mana	
11:00			Ballroom A&B		Collaboration	
22 22					Ballroom A& Group Photo - Atriun	
12:00			Lunch			LODBY
					Lunch	
13:00						
			Keynote Mik	e Santori	Poster-2 +	Mini Oral-2 Ballroom A&B
14:00			Integrating		Industrial Exhib. Pacific	Refreshments
			Complex		Concourse	Pacific Concourse
15:00		Registration	Systems	Coffee Break	Safety and	Software
13.00		Atrium	Ballroom	Pacific Concourse	Machine	Technology
40.00		Lobby	A&B		Protection	Evolution
16:00		LODDY	Workshop O	verviews	Ballroom A	Ballroom B
			Poster-1 +	Mini Oral-1	Ballroom A	Ballroom B
17:00	Welcome		Industrial Exhib. Pacific	Ballroom A&B		
	Meeting and		Concourse			
18:00	Reception				Mobile Platfo	rm
	Atrium				Roundtable	
19:00	Lobby				Ballroom A&	В
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20.00						
21:00						
22:00						

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9:00	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [		User		Experiment Control - 2	
10:00			Interfaces and Tools	Coffee Break Pacific Concourse	Ballroom	Coffee Break Pacific Concourse
11:00	Data Managament	Hardware Ballroom B	Ballroom A&B	Pacific Concourse	A&B	
12:00	Management Ballroom A	Ballroom B	Lunch		Lunch	
13:00	NIF Tour					
14:00	NIF TOUT		Poster-3 + Industrial Exhib. Pacific Concourse	Mini Oral-3 Ballroom A&B  Refreshments Pacific Concourse	Feedback Systems Ballroom A&B	
15:00			Control Systems Infrastructure Ballroom A	Control Systems Upgrades Ballroom B	Technical Summary 2013, Closing Remarks Ballroom A&B	
16:00			Timing &	Knowledge	Balli Oolii A&B	
17:00			Syncronization Ballroom A	Based Techniques Ballroom B		
18:00						
19:00	Banquet and Alexander Ro					
	One Market					
20:00						
21:00						
22:00						
	9					

### **Keynote and Banquet Speakers**

#### **Keynote Speakers**

- Marian Petre Changing culture of collaboration in scientific software development
- Ed Moses Science of NIF
- Charles Elachi Mars Rover experiences
- Matt Ettus Open source hardware
- Mike Santori, National Instruments Future of Big Data
- Henrik Stahl, Oracle Java Embedded Software

#### **Banquet Speaker**

Alexander Rose – Designing for Longevity

### Oral Presentations — Loading and Previewing Talks

- Each presentation must be downloaded to the Speaker Preview Computer in the Speaker-Ready Room (Olympic Room located off the pre-function lobby). This can be done by CD or thumb-drive.
- All presenters are strongly encouraged to load and verify their presentations as early as possible, but at least 2 hours before the session. After you have previewed your talk, conference staff will transfer it to the meeting room projection computer. The Speaker-Ready Room will be available during these times:

Sunday, June 19 3:00 P.M. to 7:00 P.M.

Monday, June 20
 7:30 A.M. to 6:00 P.M.

Tuesday, June 21 7:30 A.M. to 6:00 P.M.

Wednesday, June 22
 7:30 A.M. to 6:00 P.M.

Thursday, June 23
 7:30 A.M. to 12:00 P.M.

Friday, June 24
 7:30 A.M. to 12:00 P.M.

 These guidelines will ensure sessions run smoothly. Session time lost due to technical difficulties that could have been prevented by following the above guidelines will be subtracted from the presenter's allocated time.

#### **Poster Presentations**

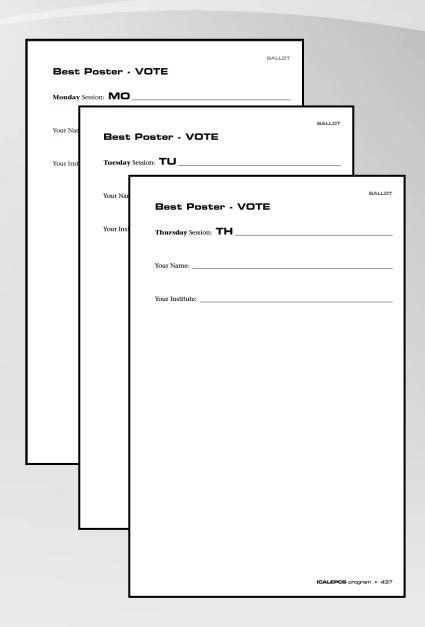
- Poster Sessions will be in the Pacific Concourse downstairs one level from the Ballroom
- Each poster has been assigned a Paper ID, e.g. MOPPC013
- See Abstract Book or http://www.icalepcs2013.org/programs/author\_index.php

#### **Mounting and Tear-Down**

- Monday Poster
  - Setup 1:00 p.m. to 4:00 p.m.
  - Remove Tuesday 9:00 am.
- Tuesday Poster
  - Setup 10:00 a.m. to 1:00 p.m.
  - Remove Wednesday 5:00 p.m.
- Thursday Poster
  - Setup 10:00 a.m. to 1:00 p.m.
  - Remove Friday 2:00 p.m.

### **Best Poster Award**

- Selection is by a general vote from conference participants
- Three prizes will be given; one for each session
- Ballots are the last three pages in abstract book
- Turn in ballot at box near entrance to Pacific Concourse
- Prizes will be announced at the closing remarks



#### **ICALEPCS 2013 Editorial Team**

#### **Team Members**

- Christine Petit-Jean-Genez, JACoW Coordinator
- Cindy Cassady, LLNL, Chief Editor
- Joe Chow, LBL
- Rafael Mueller, GSI
- Maria Powers, ANL
- Kathleen Riches, Australian Synchrotron
- Marie Robichon, ESRF
- Volker Schaa, GSI

#### You should all have submitted your papers by now

- For late submissions Tuesday end-of-day is last call!
- Please check paper status (G/Y/R) monitor outside Author's Manuscript Room on Pacific Concourse Level (Posters/Exhibitors)

### **Conference Websites Available for More Information**



#### Home

Key Dates

Students

Venue/Hotel

Committee

Programs

Abstracts

Conference Registration Visiting San Francisco Sponsors/Exhibitors

Contact

#### 14th International Conference on Accelerator & Large Experimental Physics Control Systems

October 6-11, 2013 The Hyatt Regency Embarcadero Center San Francisco, California

The International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS) is a biennial series of conferences inaugurated in 1987 by a number of control system specialists from accelerator laboratories around the world.

The series of conferences is intended to:

- Facilitate the interchange of ideas and information between control system specialists working on large experimental physics facilities around the world (accelerators, particle detectors, tokamaks, telescopes, etc.)
- Create an archival literature of developments and progress in this rapidly changing discipline
- · Promote, where practical, standardization in both hardware and software
- Assist colleagues from technically less developed countries in the realization of all of these goals.

Keynote, invited and contributed talks and poster presentations will cover:

- Project Status Reports
- Project Management and Collaboration
- · Integrating Complex or Diverse Systems
- Knowledge-based Techniques
- Personnel Safety and Machine Protection
   Hardware Technology
- Timing and Sync
- · Software Technology Evolution
- Experiment Control
- Feedback Systems
- . User Interfaces and Tools
- . Data Management and Processing
- Control Systems Infrastructure

#### **Conference Chair**

Chris Marshall

Lawrence Livermore National Laboratory

Scientific Program Chair

Peg Folta

Lawrence Livermore National Laboratory







Sign-up for th



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