

WELCOME to TWEPP-13

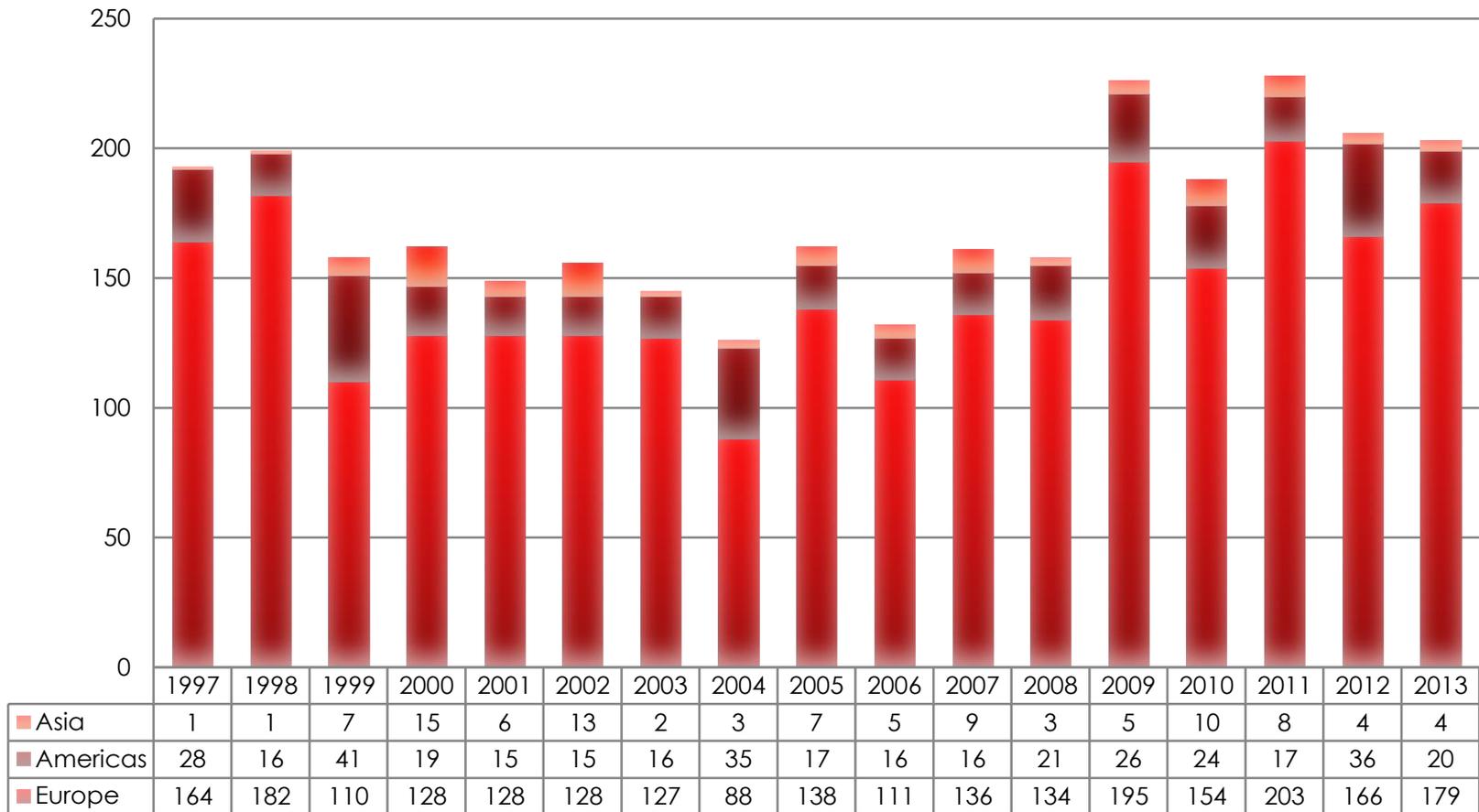
Perugia, 23 – 27 September 2012

TWEPP-13 Content

- 203 participants [206 in 2012, 238 in 2011, 188 in 2010]
- 129 presentations (56 orals & 73 posters) [56 orals & 64 posters]
 - 82 posters selected but a few late withdrawals
 - 212 abstracts were submitted showing the interest of this workshop
- 11 invited talks [12]
- 4 Working Group Meetings (MUG, optoelectronics, power, xTCA) [4]
- Topical session on “High density hybrids, high end packaging and interconnects”
- No tutorial this year to allow traveling on Friday afternoon

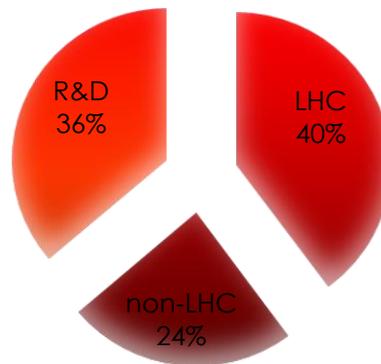
Some Statistics (Participants)

Number of Participants

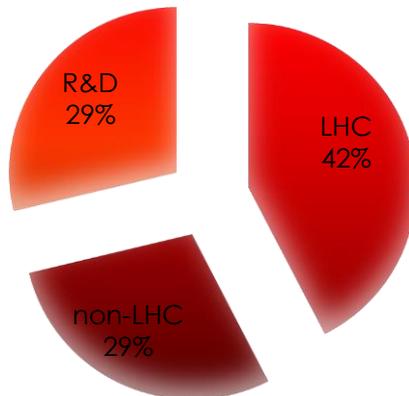


Some Statistics (Contributions)

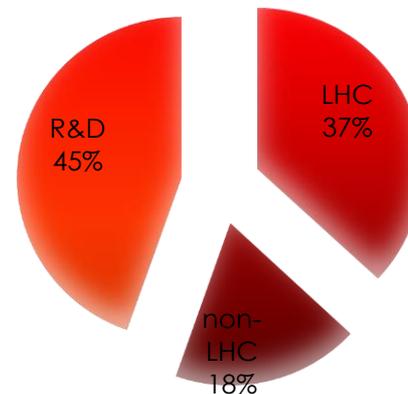
Contributions



Posters



Oral



Programme at a Glance

MONDAY

P1	Opening
Electronics for Particle Physics in Perugia	
Technology Trends for Customized Analogue and Digital Circuit Manufacturing Including Radiation Hardness Requirements	
P2	
Carbon nanotubes and graphene nanoribbons for future IC interconnect technology	
The First Long Shutdown (LS1) and future upgrades of the LHC machine	
Welcome reception 19h30	

TUESDAY

The Design of the Alphasat Payload Processor - Advancing Space Electronics!	
A1 ASICs	B1 Systems
5	6
Mismatch in deep-submicron and the consequences for analog designs	
A2 ASICs	B2 Systems
4	4
Posters - 1st Session	
38	

WEDNESDAY

Continuous-Time Analog Filter Design in CMOS Nanoscale Era	
A3 Power & Rad.	B3 Trigger
5	5
What Does it Take to Engineer and Mass-produce a Reliable Parallel Optics Module...	
A4 Systems	B4 Trigger
3	3
Posters - 2nd Session	
35	
Museum Vist & Conference Dinner 19h00	

THURSDAY

Chips Developed at CERN in the Framework of the Medipix3 Collaboration	
A5 Opto	B5 ASICs
5	5
Biologically-Inspired Massively-Parallel Computation	
A6 Logic	B6 ASICs
4	4
4 Working Group Meetings	

FRIDAY

3D integration, from tool box to applications
Topical
4
Close out

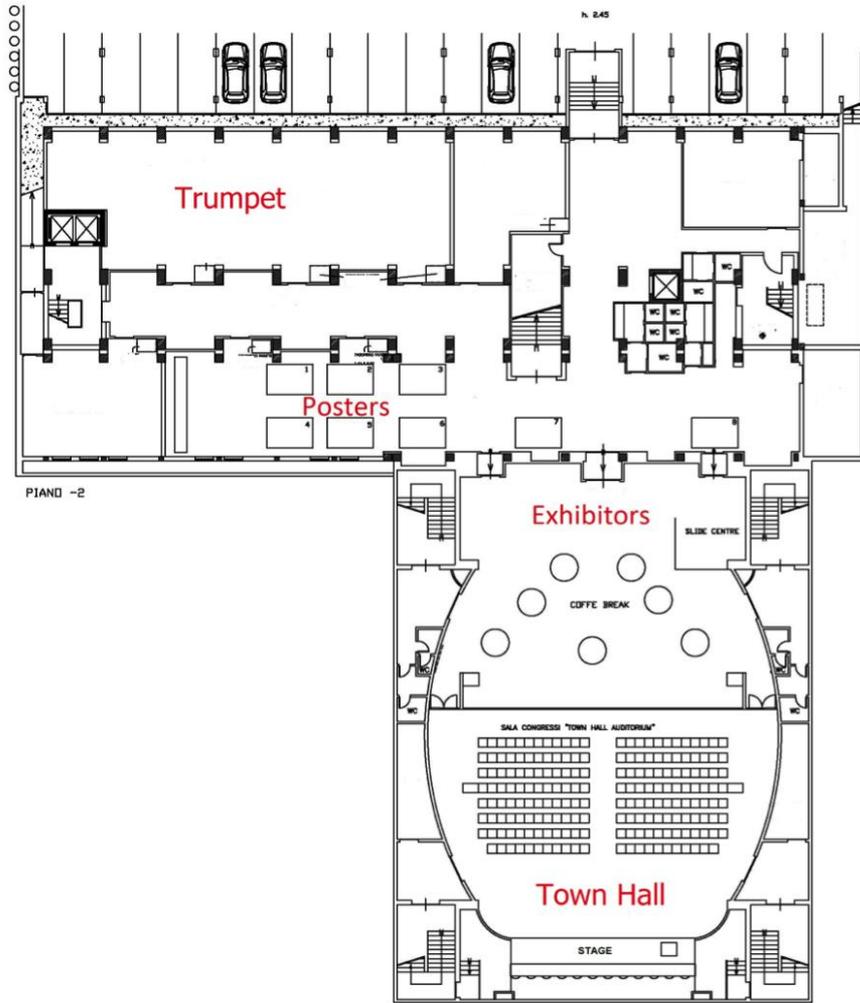
Feedback from TWEPP-12 & Associated Changes

- Fees to be kept reasonable
 - 325 – 350 € in 2009 – 2012
 - 330 € this year
- Working groups to be placed after related sessions
 - Thursday evening this year after all oral and poster sessions
- Having 2 poster sessions was appreciated by a large majority of participants
 - Again two sessions this year
 - However the posters can stay in place for the full duration of the workshop
- Timing to be respected...
 - 20-mn for the talks
 - Session conveners to be strict
- Introduce the poster sessions with a 1-mn presentation/poster
 - The idea looks good but requires too much time
 - During each session reminder of the related posters
- Ask participants to give their 5 preferred oral presentations and posters
 - Will be included in the evaluation form
- **The evaluation form for this year will appear on Indico during the week**
 - **Please take time to fill it**

Posters

- Two Poster Sessions
 - Tuesday & Wednesday afternoon
 - Grouped by topics
- Posters can stay in place for the whole duration of the workshop

Posters Location



TWEPP 2013 Poster Locator Abstract Map

ASICS
Logic
Opto
Power

Production
Radiation
Systems
Trigger

Rev 9/18/13

	Poster 1	Poster II		Poster 1	Poster II		Poster 1	Poster II
1	45	97	11	4	12	21	142	73
2	6	101	12	30	141	22	8	148
3	83	11	13	168	63	23	91	81
4	132	60	14	75	7	24	120	119
5	90	163	15	135	108	25	46	144
6	133	201	16	52	180	26	156	169
7	194	191	17	96	55	27	160	179
8	199	106	18	209	102	28	183	94
9	15	109	19	127	188	29	92	189
10	162		20		145	30	187	
						31	67	59
						32	85	43
						33	23	125
						34	151	27
						35	140	5
						36	200	157
						37	112	174
						38	1	
						39	110	

Proceedings

- Use of JINST as last three years
- JINST Proceedings Section
 - Online-only, **peer-reviewed** Journal of Instrumentation, published by SISSA & IOPP
- A lot of benefits
 - Reference
 - Nice WEB site to present the articles and possibility to include into them color pictures, video, ...
- *However it comes with constraints...*

Proceedings (cont)

- Papers **MUST** be prepared with the JINST template
 - Number of pages limited (8)
 - Latex and MS-WORD versions available
 - If not used, the article will just be rejected
- Copyright assigned to the Institute of Physics Publishing
 - Or agreement giving License to Publish
- Submission via the **JINST site** **before November 1st**
- All papers will be reviewed
 - The review process increases the quality of the articles
 - You might be requested to do some corrections within a given time limit
 - You might be asked to do some review work
 - *Please take time to proof read the text before submission and to involve all the signatories in this process*

Topical Workshop on Electronics for Particle Physics 2012 (TWEPP12)

The workshop covers all aspects of electronics for particle physics experiments, and accelerator instrumentation of general interest to users (electronics for particle detection, triggering, acquisition systems, accelerator and beam instrumentation). LHC experiments (and their operational experience) remain a focus of the meeting but a strong emphasis on R&D for future experimentation is maintained, such as High Luminosity LHC, CLIC, ILC, neutrino facilities as well as other particle and astroparticle physics experiments.

Topical Workshop on Electronics for Particle Physics 2012 Contents

- [ASICs](#)
- [Programmable Logic, design tools and methods](#)
- [Optoelectronics and links](#)
- [Power, grounding and shielding](#)
- [Production, testing and reliability](#)
- [Radiation tolerant components and systems](#)
- [Systems, Planning, installation, commissioning and running experience](#)
- [Trigger systems](#)

ASICs

[Ultra-low-power radiation hard ADC for particle detector readout applications](#)

OPEN ACCESS

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PDF

As Usual...

- Countdown clocks for speaker and chairman
 - 15 min (35) + 5 min left + STOP!



- There are electrical power for laptops in auditorium but you are asked to refrain reading emails during presentations

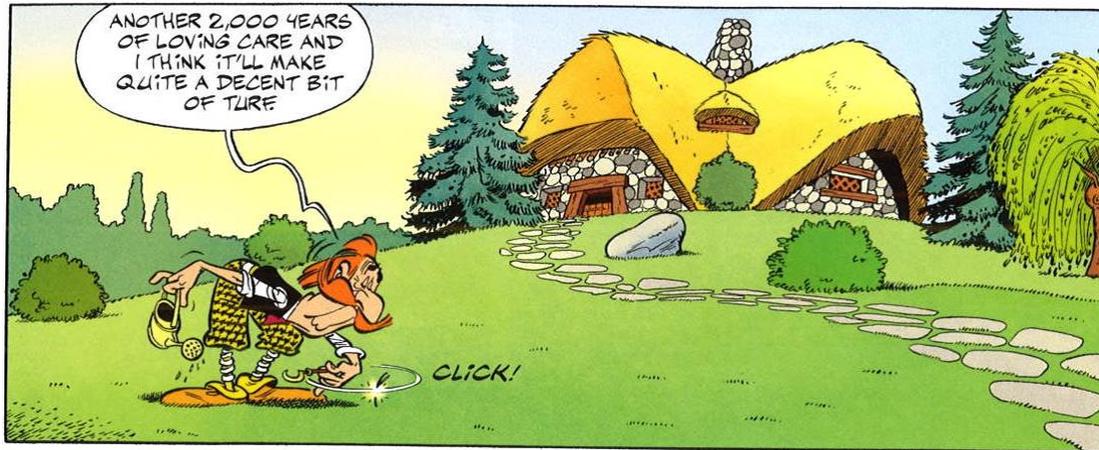
Acknowledgements



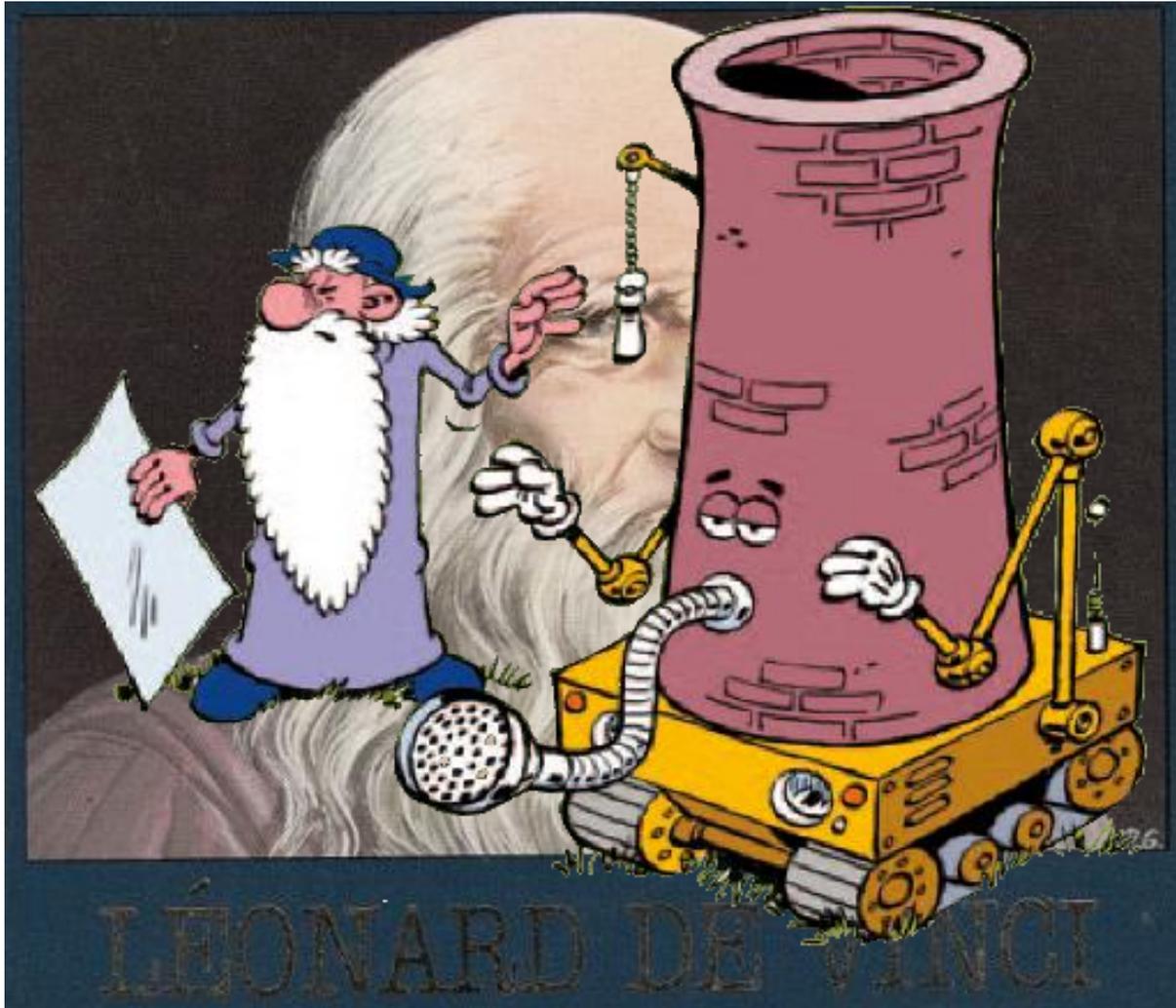
And the industrial exhibitors & sponsors



In the Booklet Last Year...



In the Booklet this Year



Acknowledgements



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