



Closing Remarks

LOW LEVEL RADIO FREQUENCY WORKSHOP 2023



LLRF2023

Local Organizing Committee

- Changbum Kim - chair
- Jinyul Hu
- Abin Hwang
- Hyojae Jang - IBS
- Young-Do Joo
- Nayoung Kim
- Yong-Seok Lee
- Chang-Ki Min



The Scientific Program Committee

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Tim Berenc, Argonne

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Chang-Ki Min, PAL

Tomasz Plawski, Jefferson Lab

Kevin Smith, BNL

Dmitry Teytelman, Dimtel, Inc.

Zhao Yubin, SINAP

Zeran Zhou, USTC

The numbers

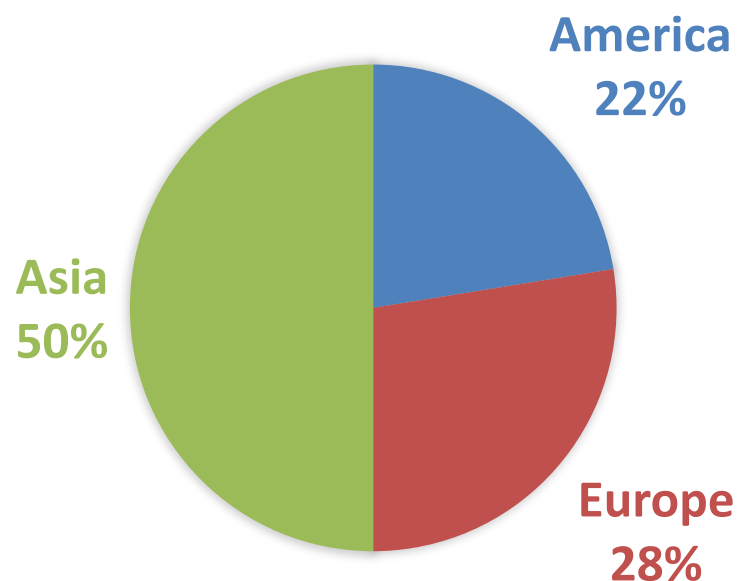
- Registered participants: 103
 - early registration = 49
 - late registration = 48
 - Student = 5
- Exhibitors: 6
- Submitted abstracts: 105
 - Lab talks: 9 (1 lab talk not presented)
 - Invited talks: 5
 - Contributed talks: 26 (1 not presented)
 - Posters: 62 (8 not presented)
- Tutorials: 3
- Special Topics: 2

Classification	Oral	Poster	Total
Lab Talk	9	-	9
Tutorial	3	-	3
IQ Award	1	-	1
Special	2	-	2
Measurement & Control	9	14	23
System & Operation	8	15	23
Hardware	3	16	19
SRF Control	5	5	10
Software	0	7	7
Other	2	2	4
Timing	2	1	3
Total	43	60	104

Attendance Profile – by Region

At LLRF22

- Europe – 66%
- America – 25%
- Asia – 9%



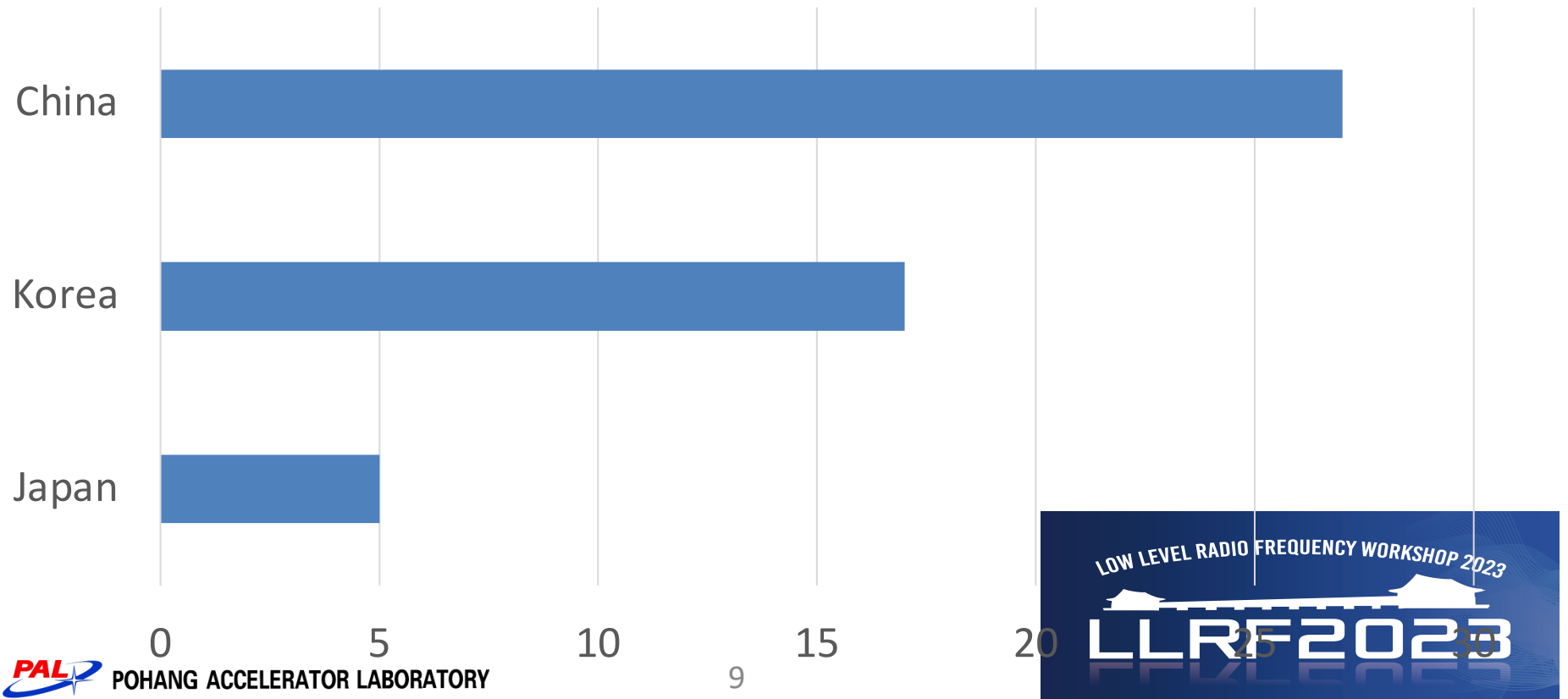
Participation by Country

	Country	Number
1	China	27
2	United States	19
3	Korea	17
4	Germany	7
5	Swiss	7
6	Japan	5
7	Italy	3

Participation by Country - cont

	Country	Number
7	Poland	3
9	Canada	2
9	France	2
11	England	1
11	Spain	1
11	Sweden	1
11	Colombia	1

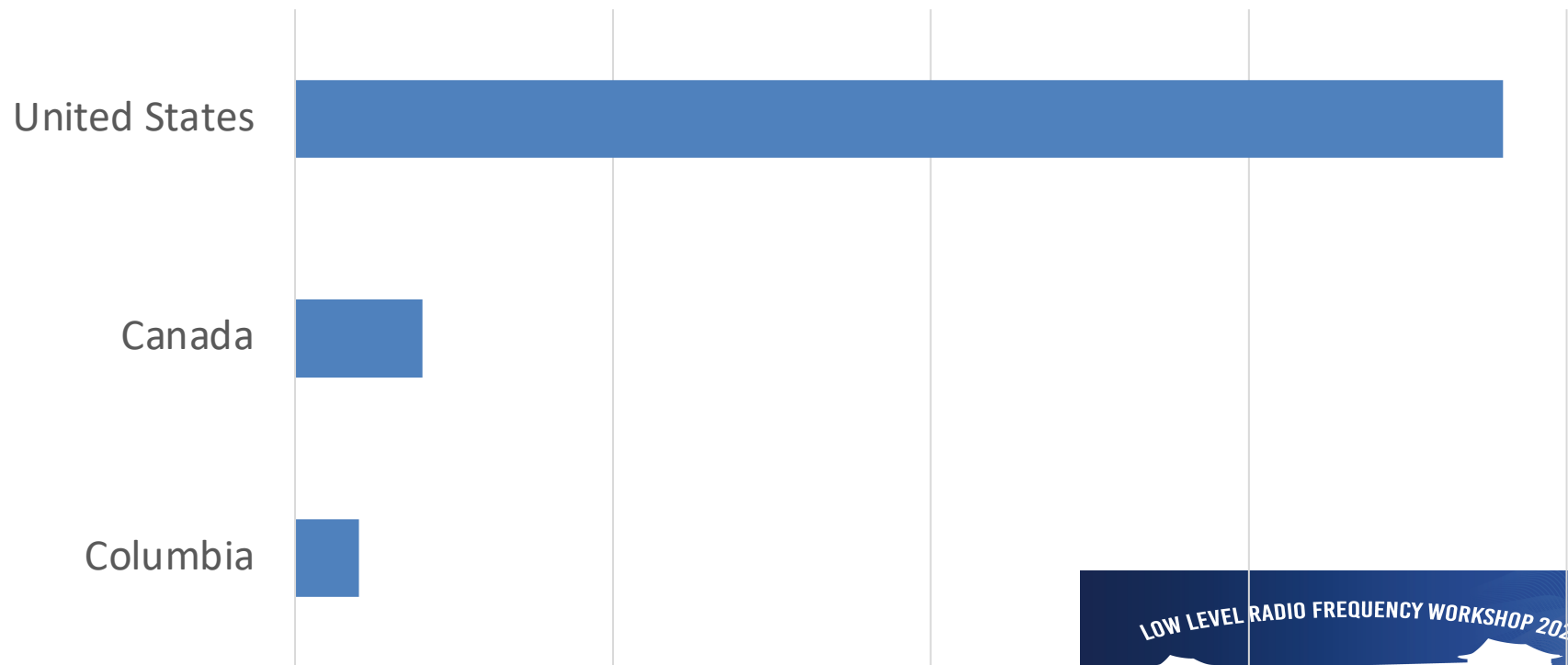
Participation by Country – Asia (49 tot.)



Participation by Institute – Asia (49 tot.)

Affiliation	Number
Institute of Modern Physics	7
Shanghai Advanced Research Institute	5
Institute of High Energy Physics	4
Shanghai Synchrotron Radiation Facility	3
Chengdu Wattsine Electronic Technology	2
Dalian Institute of Chemical Physics.CAS	2
Institute of Advanced Science Facilities	2
Beijing Conveyi Limited	1
Tsinghua University	1

Participation by Country – America (22 tot.)

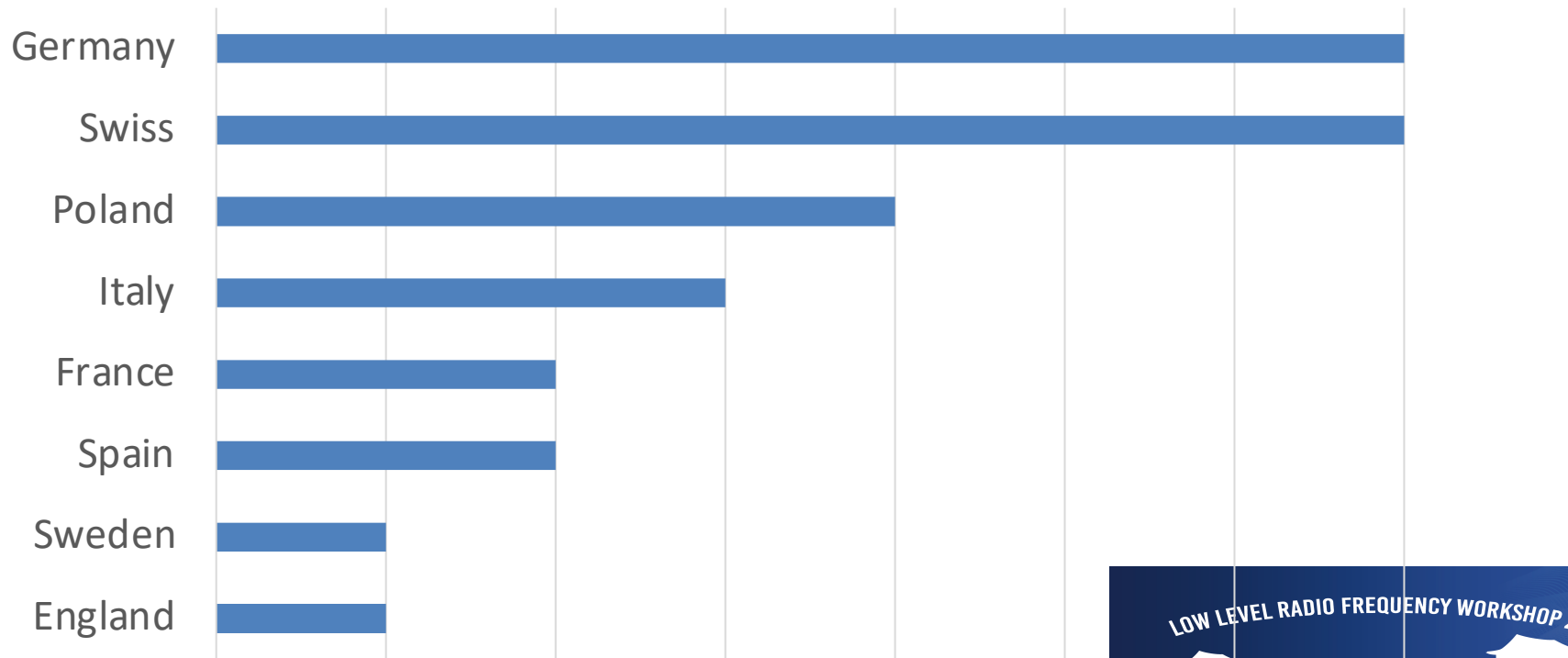


Participation by Institute – America (19)

Affiliation	Number
Lawrence Berkeley National Laboratory	5
SLAC National Accelerator Laboratory	4
Los Alamos National Laboratory	3
Fermi National Accelerator Laboratory	2
RadiaSoft LLC	2
Thomas Jefferson National Accelerator Facility	1
Oak Ridge National Laboratory	1
Dimtel, Inc.	1



Participation by Country – Europe (24)



Participation by Institute – Switzerland+Germany

Nation	Affiliation	Number
Swiss	CERN	6
	Paul Scherrer Institute	1
Germany	Deutsches Elektronen-Synchrotron	4
	Helmholtz Zentrum Berlin	2
	Cycle GmbH	1



Notes from the IOC

- Back on track
 - Odd year workshops
- Expanded the committee for better regional balance
- Established the IQ award
- Proceedings are now a regular feature
- Considering a topical workshop
- Always welcome your feedback



IQ Award

To recognize and reward outstanding individual or group contributions, achievements, and advancements in the worldwide accelerator Low Level RF community.

Plan to continue in future workshops



Proceedings

- A feature since 2017
- An opportunity to publish your contributions
- Not mandatory
- Not refereed
 - Proofread by the IOC
- Dmitry can answer questions at the workshop



Publications

- Submitted: 13
- Complete: 5
- Need meta data changes: 3
- Missing ID: 5

<https://arxiv.org/html/2310.03199>



Topical Workshops

- Opportunity to address critical aspects and reach out including other communities with common interests and complementary knowledge
 - Microphonics and Resonance Control in 2018
- Increasing support for organizing a topical next year
 - Several ideas under consideration



Future Events

- LLRF25
 - Asked BNL and Jefferson Lab to prepare a proposal
- Topical Workshop
 - Considering one for 2024
 - In Europe



THANK YOU

ROHDE & SCHWARZ



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네오링스(주)



**INSTRUMENTATION
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POHANG ACCELERATOR LABORATORY

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Thank You

