



Conference on New Frontiers in Scaling Quantum: from Materials and Hardware to Architectures and Components | (SMR 3916)

15 Jan 2024 - 19 Jan 2024  
ICTP, Italy

#### 4 Directors

1. FAORO Lara	(In Pers.)	Google AI Quantum	United States of America
2. FAZIO Rosario	(In Pers.)	ICTP	Italy
3. MCEWEN Matthew James	(In Pers.)	Google AI Quantum	United States of America
4. SCARDICCHIO Antonello	(In Pers.)	ICTP	Italy

#### 25 Speakers

1. ATESHIAN Lamia	(In Pers.)	MIT	United States of America
2. CARROLL Malcolm Scott	(Online)	IBM in Yorktown Heights	United States of America
3. DE LEON Nathalie Pulmones	(In Pers.)	Princeton University	United States of America
4. DENG Chunqing	(In Pers.)	ALIBABA (CHINA)	-
5. DEVORET Michel Henri	(In Pers.)	Yale University Department of Applied Physics	United States of America
6. FREEDMAN Michael	(Online)	UCSB and Google	United States of America
7. GAO Ran	(In Pers.)	Alibaba	People's Republic of China
8. GIDNEY Craig Michael	(In Pers.)	Google AI Quantum (USA)	Canada
9. GOZLINSKI Thomas	(In Pers.)	Karlsruhe Institute of Technology	Germany
10. KITAEV Alexei Yu.	(Online)	Russian Academy of Sciences, L.D. Landau Institute for Theoretical Physics	Russian Federation
11. LIVINGSTON William Peter	(In Pers.)	Google AI Quantum (USA)	United States of America
12. MC DERMOTT III Robert Francis	(In Pers.)	University of Wisconsin-Madison	United States of America
13. MCDONALD Alexander	(In Pers.)	University of Sherbrooke	Canada
14. PAPPAS David Paul	(In Pers.)	Rigetti	United States of America
15. PLOURDE Britton Louis	(In Pers.)	Syracuse University	United States of America
16. POP Ioan Mihai	(In Pers.)	KIT	Germany
17. ROCH Nicolas Chrisophe	(In Pers.)	NEEL Institut CNRS	France
18. ROWER David	(In Pers.)	MIT	United States of America
19. SACEPE Benjamin Pierre Alexis	(In Pers.)	Institut Néel CNRS	France
20. SMITHAM Basil	(In Pers.)	Princeton University	United States of America
21. TABUCHI Yutaka	(In Pers.)	Riken	Japan
22. TANCREDI Giovanna	(In Pers.)	Chalmers University of Technology	Sweden
23. USTINOV Alexey	(In Pers.)	Karlsruhe Institute of Technology	Germany
24. WALLRAFF Andreas Joachim	(In Pers.)	ETH Zurich Physics Department Quantum Device Lab (Institute Lab for Solid State Physics)	Switzerland
25. YAN Fei	(In Pers.)	Beijing Academy of Quantum Information Sciences	People's Republic of China

#### 43 Participants

1. ARNOLD Georg Michael	(In Pers.)	Institute of Science and Technology Austria Fink Lab (quantumids.com)	Austria
2. BABLA Harshvardhan Kiran	(In Pers.)	Yale University Yale Quantum Institute	United States of America
3. BERKE Christoph	(In Pers.)	University of Cologne Institute for Theoretical Physics	Germany
4. BRIERLEY Richard Thomas	(In Pers.)	Nature Physics	United Kingdom
5. COHEN Yonatan	(In Pers.)	Quantum Machines	Israel
6. CORAIOLA Marco	(In Pers.)	IBM Research Europe - Zurich Semiconductor Quantum Technology Group	Switzerland
7. DHUNDHWAL Ritika	(In Pers.)	Karlsruhe Institute of Technology Institute for Quantum Materials and Technologies Department of Physics	Germany

8.	<b>EICHINGER Michaela</b>	(In Pers.)	University of Copenhagen Niels Bohr Institute Morten Kjaergaard lab	Denmark
9.	<b>FARYAD Muhammad</b>	(In Pers.)	Lahore University of Management Sciences Department of Physics	Pakistan
10.	<b>FEIGELMAN Mikhail</b>	(In Pers.)	Nanocenter	Slovenia
11.	<b>FRAU Martina</b>	(In Pers.)	SISSA Condensed Matter Sector	Italy
12.	<b>GHARIBAAN Rebecca</b>	(In Pers.)	Delft University of Technology QuTech - Goswami Lab	Netherlands (Kingdom of the)
13.	<b>GUO Shaojun</b>	(In Pers.)	University of Science and Technology of China Shanghai Institute for Advanced Studies The laboratory of superconducting quantum computation	People's Republic of China
14.	<b>HU Yong</b>	(In Pers.)	Northeastern University College of Sciences - Department of Physics	People's Republic of China
15.	<b>IOFFE Lev</b>	(In Pers.)	Google Inc.	United States of America
16.	<b>JOVEN NORIEGA Kevin Jofroit</b>	(In Pers.)	Universidad del Valle School of Electrical and Electronic Engineering	Colombia
17.	<b>KAPOOR Lucky</b>	(In Pers.)	Institute of Science and Technology Austria	Austria
18.	<b>KHORRAMSHAHI Mahya</b>	(In Pers.)	Karlsruhe Institute of Technology	Germany
19.	<b>KHVALYUK Anton</b>	(In Pers.)	Laboratoire de Physique et Modélisation des Milieux Condensés	France
20.	<b>KOGAN Evgeni</b>	(In Pers.)	Bar-Ilan University Department of Physics	Israel
21.	<b>LEANDRO Lorenzo</b>	(In Pers.)	Quantum Machines	Israel
22.	<b>LEVIN Andrei</b>	(In Pers.)	-	Russian Federation
23.	<b>LIBERATI Diego</b>	(In Pers.)	National Research Council of Italy	Italy
24.	<b>LUNKIN Aleksey</b>	(In Pers.)	-	Russian Federation
25.	<b>MIHAILOVIC Dragan Dragoljub</b>	(In Pers.)	Jozef Stefan Institute Department For Complex Matter CENN Nanocenter	Slovenia
26.	<b>MRAZ Anze</b>	(In Pers.)	Jozef Stefan Institute Department of complex matter	Slovenia
27.	<b>OSIN Sergeevich Aleksandr</b>	(In Pers.)	Hebrew University of Jerusalem Racah Institute of Physics	Israel
28.	<b>POBOIKO Ihor</b>	(In Pers.)	Karlsruhe Institute of Technology	Germany
29.	<b>SAFONOVA Elizaveta</b>	(In Pers.)	University of Ljubljana	Slovenia
30.	<b>SIVAN Itamar</b>	(In Pers.)	Quantum Machines	Israel
31.	<b>STERLING George Earl Grant</b>	(In Pers.)	Google Quantum AI	United States of America
32.	<b>SVETIN Damjan</b>	(In Pers.)	Josef Stefan Institute	Slovenia
33.	<b>TARABUNGA Poetri Sonya</b>	(In Pers.)	-	Indonesia
34.	<b>TIRRITO Emanuele</b>	(In Pers.)	ICTP	Italy
35.	<b>TSIRLINA Galina</b>	(In Pers.)	Nanocenter	Slovenia
36.	<b>UGURLU Dilara Asli Dilara</b>	(In Pers.)	Quantum Machines/ QDevil, Scientific Sales	Denmark
37.	<b>VAN THIEL Thierry Christiaan</b>	(In Pers.)	QphoX B.V.	Netherlands (Kingdom of the)
38.	<b>VENTURINI Rok</b>	(In Pers.)	Institute Jozef Stefan	Slovenia
39.	<b>WANG Ruixia</b>	(In Pers.)	Beijing Academy of Quantum Information Sciences	People's Republic of China
40.	<b>YE Yangsen</b>	(In Pers.)	University of Science and Technology of China	People's Republic of China
41.	<b>YURSA Bogdanovna Viktoriia</b>	(In Pers.)	University of Ljubljana	Slovenia
42.	<b>ZAPATA GONZALEZ Nicolas</b>	(In Pers.)	Karlsruhe Institute of Technology (KIT)	Germany
43.	<b>ZEMLICKA Martin</b>	(In Pers.)	QphoX B.V.	Netherlands (Kingdom of the)