

| Meeting Agenda

29 May (day 2)

8-30 to 10-30

Plenary session 3

Session Chair: Prof. Wen Ruitao

Southern University of Science and Technology, China

8-30 to 9-10

Prof. Sergey Makarov

ITMO University, Russia and Harbin Engineering University, China

"Halide perovskite nanostructures for ultracompact lasers fabrication"

9-10 to 9-50

Prof. Zhi Chen

Shenzhen University, China

"Black phosphonene and its biophotonics applications"

9-50 to 10-00

Short technical break

10-00 to 10-40

Prof. Xing Cheng

Southern University of Science and Technology, China

"Micro- and nanofabrication for optical and biological engineering applications"

10-40 to 11-10

Coffee break + posters

11-10 to 12-40

Biomedical devices and nanoparticles

Session Chair: Prof. Panagiotis Grammatikopoulos, GTIIT China

11-10 to 11-40
(keynote)

Prof. Alessandro Parodi

Sirius University of Science and Technology, Russia

"Navigating the endosomal sequestration challenge: pioneering strategies in nanocarrier-based drug delivery"

11-40 to 12-00

Dr. Roman Akasov

Moscow State Pedagogical University, Russia

"Nanoparticle-enhanced photodynamic therapy"

12-00 to 12-20

Prof. Sandeep Balaji Somvanshi

Dr. Babasaheb Ambedkar Marathwada University, India

"Aptamer-based advanced biosensors"

12-20 to 12-40	Prof. Panagiotis Grammatikopoulos GTIIT, China "CMOS-integrated gas- and bio-sensors functionalized with gas-phase synthesized nanoparticles"
12-40 to 14-00	Lunch + posters
14-00 to 15-50	Special session of Russian Quantum Center Session Chair: Prof. Yury Illarionov Southern University of Science and Technology, China
14-00 to 14-30	Prof. Alexander Chernov Russian Quantum Center, Russia "1D and 2D materials for quantum technologies"
14-30 to 15-00	Prof. Aleksey Akimov Russian Quantum Center, Russia "Toward quantum simulations with Thulium atoms"
15-00 to 15-30	Prof. Georgy Shlyapnikov Russian Quantum Center, Russia "Novel phase transitions in disordered quantum systems"
15-30 to 15-50	Prof. Baowen Li Southern University of Science and Technology, China " Phononics and its applications in thermal management "
15-50 to 17-50	Poster session + coffee break (see the list of 21 posters In pages 15-17)
16-20 to 17-50	Round table discussions Topic 1: "Possible ideas for BRICS funding programs: how can we bring them to the attention of our government officials?" Topic 2: "How can we promote research journals published in BRICS countries to the global research community?"
18-20 to 21-20	Conference dinner