

# | 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 Prof. Alessandro Parodi  
(keynote)**

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"

<b>12-20 to 12-40</b>	<b>Prof. Panagiotis Grammatikopoulos</b> GTIIT, China "CMOS-integrated gas- and bio-sensors functionalized with gas-phase synthesized nanoparticles"
<b>12-40 to 14-00</b>	<b>Lunch + posters</b>
<b>14-00 to 15-50</b>	<b>Special session of Russian Quantum Center</b> Session Chair: Prof. Yury Illarionov Southern University of Science and Technology, China
<b>14-00 to 14-30</b>	<b>Prof. Alexander Chernov</b> Russian Quantum Center, Russia "1D and 2D materials for quantum technologies"
<b>14-30 to 15-00</b>	<b>Prof. Aleksey Akimov</b> Russian Quantum Center, Russia "Toward quantum simulations with Thulium atoms"
<b>15-00 to 15-30</b>	<b>Prof. Georgy Shlyapnikov</b> Russian Quantum Center, Russia "Novel phase transitions in disordered quantum systems"
<b>15-30 to 15-50</b>	<b>Prof. Baowen Li</b> Southern University of Science and Technology, China " Phononics and its applications in thermal management "
<b>15-50 to 17-50</b>	<b>Poster session + coffee break (see the list of 21 posters In pages 15-17)</b>
<b>16-20 to 17-50</b>	<b>Round table discussions</b> 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?"
<b>18-20 to 21-20</b>	<b>Conference dinner</b>