

# Technical Program

| Room                                    | Session Title                                                                 | Chair                       | Co-Chair                   | Paper 1 | Paper 2 | Paper 3 | Paper 4 | Paper 5 | Paper 6 | Paper 7             | Paper 8 |
|-----------------------------------------|-------------------------------------------------------------------------------|-----------------------------|----------------------------|---------|---------|---------|---------|---------|---------|---------------------|---------|
| <b>Wednesday, 15 August 10:20-12:20</b> |                                                                               |                             |                            |         |         |         |         |         |         |                     |         |
| (1) Room 1                              | <b>Optical Device and Optical Spectrum (ss)</b>                               | <b>Yi Qiu*</b>              | <b>Shuxin Du</b>           | 1801801 | 1801781 | 1801791 | 1801771 | 1801271 |         |                     |         |
| (2) Room 2                              | <b>Nanoscale Light Manipulation in Photonic Structures/Materials (ss)</b>     | <b>Hua Lu*</b>              | <b>Yongkang Gong</b>       | 1800901 | 1801811 | 1800971 | 1800931 | 1800961 | 1800921 |                     |         |
| (3) Room 3                              | <b>Ferroelectrics at Nanoscale: from Fundamentals to Applications (ss)</b>    | <b>Xiangzhong Chen*</b>     | <b>Xiaoshi Qian</b>        | 1800731 | 1801721 | 1801831 | 1801861 | 1802721 | 1802731 |                     |         |
| (4) Room 4                              | <b>FabSurfWAR (ss)</b>                                                        | <b>Wilhelm Pfleging *</b>   | <b>Santiago M Olaizola</b> | 1801081 | 1801101 | 1801111 | 1801211 | 1800681 | 1801212 | 1802811             |         |
| (5) Room 5                              | <b>Micro/nano Structure Measurement Applied in Environmental Science (ss)</b> | <b>Li Guan*</b>             | <b>Gaofeng Deng*</b>       | 1802011 | 1802341 | 1802351 | 1802361 | 1802371 | 1802381 |                     |         |
| (6) Room 6                              | <b>Nanomaterials and Nanofluidics</b>                                         | <b>Fei Wang</b>             | <b>Xinye Zhang</b>         | 1800031 | 1800361 | 1800381 | 1800401 | 1800841 | 1800051 | 1800021<br>(Poster) |         |
| <b>Wednesday, 15 August 13:30-15:30</b> |                                                                               |                             |                            |         |         |         |         |         |         |                     |         |
| (7) Room 1                              | <b>Nanomaterial and Nanotechnology for Biological Applications (ss)</b>       | <b>Zaixing Jiang*</b>       | <b>Dawei Zhang</b>         | 1801931 | 1801941 | 1801951 | 1801961 | 1801972 |         |                     |         |
| (8) Room 2                              | <b>Laser based Submicro and Nanoprocessing (ss)</b>                           | <b>Santiago M Olaizola*</b> | <b>Mark Hopkinson</b>      | 1801451 | 1801461 | 1801311 | 1800661 | 1800541 |         |                     |         |
| (9) Room 3                              | <b>Nano Fabrication and Manipulation of Flexible Electronics (ss)</b>         | <b>Jianming Zhang*</b>      | <b>Yuan Zheng</b>          | 1801541 | 1801551 | 1801561 | 1801571 | 1801591 |         |                     |         |
| (10) Room 4                             | <b>Micro/Nano Robotics for Single Cancer Cells (MNR4SCell) (ss)</b>           | <b>Zuobin Wang*</b>         | <b>Fujun Wang</b>          | 1800831 | 1800881 | 1800281 | 1802771 | 1802781 | 1802801 |                     |         |
| (11) Room 5                             | <b>Nanomaterials for Energy and Environmental Applications (ss)</b>           | <b>Li Zhang*</b>            | <b>Hangsheng Yang</b>      | 1802231 | 1802251 | 1802261 | 1802271 | 1802281 |         |                     |         |
| (12) Room 6                             | <b>Nanoposition and Nanomanipulation</b>                                      | <b>Dachang Zhu</b>          | <b>Kang Guo</b>            | 1800231 | 1800341 | 1800411 | 1800511 | 1801261 |         |                     |         |
| (13) Room 7                             | <b>Functional Materials for Bottom up Nano-assembly (ss)</b>                  | <b>Artemy Irzhak*</b>       | <b>Victor Koledov</b>      | 1800611 | 1800861 | 1800601 | 1800711 | 1800941 |         |                     |         |

# Wednesday, 15 August 15:50-17:50

|             |                                                                                                   |                      |                |         |         |         |         |         |         |         |         |
|-------------|---------------------------------------------------------------------------------------------------|----------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| (14) Room 1 | Surface Analysis and Application of Functional Nanomaterials (ss)                                 | Qiang Li*            | Dan Xia*       | 1802001 | 1801962 | 1802041 | 1801711 | 1801971 |         |         |         |
| (15) Room 2 | Nano Stencil (ss)                                                                                 | Santiago M Olaizola* | Mark Hopkinson | 1802081 | 1802091 | 1802101 |         |         |         |         |         |
| (16) Room 3 | Insect Flight and Bionic MAV Wings (ss)                                                           | Jiyu Sun*            | Wei Wu         | 1800071 | 1800371 | 1800181 | 1800301 | 1800131 | 1800211 | 1800081 | 1802121 |
| (17) Room 4 | Nano Optoelectronic Materials and their Applications for Biosensing and Biological Detection (ss) | Jinhua Li*           | Hanbin Ma      | 1801401 | 1801131 | 1801181 | 1801671 | 1801981 | 1801991 |         |         |
| (18) Room 5 | Manufacturing and Measurement of Micro/Nano-Scale Optical Waveguides (ss)                         | Degui Sun*           | Changming Chen | 1802461 | 1802471 | 1802481 | 1802491 | 1802501 | 1802511 |         |         |
| (19) Room 6 | Nanosensor and Bioelectronics (ss)                                                                | Xi Xie*              | Gen He         | 1802141 | 1801341 | 1801621 | 1801731 | 1802171 | 1801361 | 1801351 |         |
| (20) Room 7 | Functional Materials for Bottom up Nano-assembly (ss)                                             | Artemy Irzhak*       | Victor Koledov | 1801041 | 1800561 | 1800942 | 1801881 | 1801891 |         |         |         |

# Thursday, 16 August 8:00-10:00

|             |                                                                           |              |                |         |         |         |         |         |         |                  |                  |
|-------------|---------------------------------------------------------------------------|--------------|----------------|---------|---------|---------|---------|---------|---------|------------------|------------------|
| (21) Room 1 | University of Shanghai Cooperation Organization Nanotechnology (ss)       | Peng He*     | Zhankun Weng   | 1802551 | 1802561 | 1800981 | 1801121 | 1802661 | 1800771 |                  |                  |
| (22) Room 2 | NEMS and their Applications                                               | Lu Wang      | Yuanqing Huang | 1800451 | 1800271 | 1800261 | 1801291 | 1800651 | 1800441 | 1800791 (Poster) | 1801481 (Poster) |
| (23) Room 3 | Fiber-based Elements and Nonlinear Optics (ss)                            | Dong Mao*    | Yongkang Gong* | 1802761 | 1801631 | 1802701 | 1801641 | 1801231 | 1802401 |                  |                  |
| (24) Room 4 | Nanofabrication and Nanocharacterization                                  | Yang Jing    | Ziang Zhang    | 1800241 | 1800331 | 1800391 | 1800581 | 1800631 | 1800571 | 1800871 (Poster) |                  |
| (25) Room 5 | Micromachines and Devices (ss)                                            | Li Zhang*    | Bin Dong       | 1801581 | 1802201 | 1802211 | 1802221 | 1802711 |         |                  |                  |
| (26) Room 6 | 2D Materials at Nanoscale: from Fundamentals to Applications (ss)         | Zegao Wang*  | Aslan Hüsnür*  | 1801321 | 1801441 | 1801281 | 1802621 | 1802291 |         |                  |                  |
| (27) Room 7 | Micro/nano Materials and Structures for Photonics and Quantum Optics (ss) | Leiran Wang* | Qibing Sun     | 1801411 | 1800991 | 1801661 | 1800851 | 1802541 |         |                  |                  |

# Thursday, 16 August 10:20-12:20

|             |                                                                              |                      |                         |         |         |         |         |         |         |                     |                     |
|-------------|------------------------------------------------------------------------------|----------------------|-------------------------|---------|---------|---------|---------|---------|---------|---------------------|---------------------|
| (28) Room 1 | <b>Design and Application of Piezoelectric Actuators (ss)</b>                | <b>Hu Huang*</b>     | <b>Takeshi Morita</b>   | 1801391 | 1801431 | 1801601 | 1801741 | 1801921 | 1801911 | 1801901             |                     |
| (29) Room 2 | <b>Design, Analysis and Control of Micro-/nano-manipulating Systems (ss)</b> | <b>Zhen Zhang*</b>   | <b>Peng Yan*</b>        | 1800531 | 1800801 | 1800802 | 1801091 | 1800351 | 1800171 |                     |                     |
| (30) Room 3 | <b>Nanoelectronics and Nanophotonics</b>                                     | <b>Yang Xu</b>       | <b>Yingying Zhang</b>   | 1800201 | 1800221 | 1801191 | 1800691 | 1800741 |         | 1800641<br>(Poster) | 1800761<br>(Poster) |
| (31) Room 4 | <b>Biological Applications</b>                                               | <b>Jin Zhang</b>     | <b>Md Sohel Rana</b>    | 1800011 | 1800141 | 1800311 | 1800501 | 1800821 | 1801421 |                     |                     |
| (32) Room 5 | <b>Nanofabrication and Nanocharacterization</b>                              | <b>Behrooz Mirza</b> | <b>Stefan Schlosser</b> | 1800191 | 1800671 | 1800061 | 1800251 | 1800621 | 1802751 | 1802631<br>(Poster) |                     |
| (33) Room 6 | <b>2D Materials at Nanoscale: from Fundamentals to Applications (ss)</b>     | <b>Aslan Hüsnür*</b> | <b>Zegao Wang*</b>      | 1802851 | 1802301 | 1802311 | 1802321 | 1802331 |         |                     |                     |
| (34) Room 7 | <b>Nanosensing and Microscopy</b>                                            | <b>Yanjun Li</b>     | <b>Denghua Li</b>       | 1800751 | 1801611 | 1801651 | 1800521 | 1800471 |         |                     |                     |

\* Technical Special Session (ss) organizers