

International Multidisciplinary Conference «Frontiers of 21st Century Physics and Ioffe Institute» (October 29 – November 1, 2018)

| | October 29, 2018 | October 30, 2018 | October 31, 2018 | November 1, 2018 |
|-------|--|--|---|---|
| | Opening session | Spintronics and topological insulators | Novel materials | Excitons, Spins, Magneto-optics |
| 9:20 | Opening remarks | | | |
| 10:00 | 9:30 Zh.I. Alferov <i>SPbAU, Russia</i> | D.R. Yakovlev <i>TU Dortmund, Germany</i> | A.A. Saranin <i>IACP FEB RAS, Russia</i> | M. Bayer <i>TU Dortmund, Germany</i> |
| 10:25 | V.B. Timofeev <i>ISSP RAS, Russia</i> | M.M. Glazov <i>Ioffe Institute, Russia</i> | B. Gil <i>University Montpellier II, France</i> | T. Rasing <i>Radboud University, The Netherlands</i> |
| 10:50 | M.I. Dyakonov <i>University Montpellier II, France</i> | S.D. Ganichev <i>University of Regensburg, Germany</i> | A.T. Burkov <i>Ioffe Institute, Russia</i> | D. Weiss <i>University of Regensburg, Germany</i> |
| 11:15 | A.V. Krasilnikov <i>Project Center ITER, Russia</i> | S.A. Tarasenko <i>Ioffe Institute, Russia</i> | D.R. Khokhlov <i>MSU, Russia</i> | A. Kimel <i>Radboud University, The Netherlands</i> |
| 11:40 | Coffee-break | Coffee-break | Coffee-break | Coffee-break |
| | Astrophysics | Carbon nanostructures | MBE: basic research and applications | Closing session |
| 12:00 | L.M. Zelenyi <i>Space Research Institute, Russia</i> | E. Osawa <i>NanoCarbon Research Institute Ltd., Japan</i> | K. Ploog <i>PDI for Solid State Electronics, Germany</i> | G.Ya. Krasnikov <i>JSC MERI, Russia</i> |
| 12:25 | F. Aharonian <i>DIAS, Ireland</i> | A.L. Vikharev <i>IAP RAS, Russia</i> | V. Umanskii <i>Weizmann Institute, Israel</i> | I.V. Grekhov <i>Ioffe Institute, Russia</i> |
| 12:50 | R.L. Aptekar <i>Ioffe Institute, Russia</i> | M. Endo <i>Shinshu University, Japan</i> | K. Kishino <i>Sophia University, Japan</i> | Z.F. Krasilnik <i>IPM RAS, Russia</i> |
| 13:15 | A. De Angelis <i>INF Padova, Italy</i> | T. Enoki <i>Tokyo Institute of Technology, Japan</i> | M.V. Yakushev <i>ISP SB RAS, Russia</i> | R.A. Sunyaev <i>Space Research Institute, Russia</i> |
| 13:40 | Lunch | Lunch | Lunch | Closing remarks |
| | Semiconductor photonics | Energy conversion and storage | Plasma physics | 13:50 Lunch |
| 15:00 | R. Dupuis <i>Georgia Institute of Technology, USA</i> | V.M. Andreev <i>Ioffe Institute, Russia</i> | T. Donne <i>EUROfusion, Germany</i> | 15:15 Meeting of the Research Council of Ioffe Institute dedicated to the 100-Year Anniversary with invited talks of Honorary Members of the Institute Profs. H. Amano (<i>Nagoya University, Japan</i>) K.M. Salikhov (<i>KPhTI, Russia</i>) |
| 15:25 | S.V. Ivanov <i>Ioffe Institute, Russia</i> | H. Mariette <i>Institute Neel CNRS, France</i> | A.G. Litvak <i>IAP RAS, Russia</i> | |
| 15:50 | J. Faist <i>ETH Zurich, Switzerland</i> | E.I. Terukov <i>Ioffe Institute, Russia</i> | F. Wagner <i>Max Planck Institut für Plasmaphysik, Germany</i> | |
| 16:15 | V.M. Ustinov <i>Ioffe Institute, Russia</i> | A.Ya. Vul'p <i>Ioffe Institute, Russia</i> | V.K. Gusev <i>Ioffe Institute, Russia</i> | |
| 16:40 | A.E. Zhukov <i>SPbAU, Russia</i> | 16:40 Coffee-break | V.G. Kiptily <i>Culham Centre for Fusion Energy, UK</i> | |
| 17:05 | Coffee-break | 17:00 Poster session of young scientists of Ioffe Institute Presentations of Sponsor Companies | Coffee-break | |
| | THz photonics and physics of multi-electron systems | | Biophysics, life sciences and organic electronics | |
| 17:25 | E. Rafailov <i>Aston University, UK</i> | | K.M. Lebedinskii <i>NWSMU, Russia</i> | |
| 17:50 | M.Ya. Amusia <i>The Hebrew University, Israel</i> | | S.V. Medvedev <i>IHB RAS, Russia</i> | |
| 18:15 | V.I. Gavrilenko <i>IPM RAS, Russia</i> | | V.G. Golubev <i>Ioffe Institute, Russia</i> | |