All-Russian Scientific Conference with International Participation

2D SYSTEMS OF THE STRONG
CORRELATED ELECTRONS: FROM
FUNDAMENTAL RESEARCH TO
PRACTICAL APPLICATIONS

June 18 – 23, 2018
Russia, 677000 Yakutsk
<https://www.s-vfu.ru/2Dsystems>

PACS: 01.10 Fv

DOI: 10.17725/rensit.2018.10.130

<div><div>PROGRAM COMMITTEE</div><div>Co-Chairs:</div><div>Mikhailova E.I. <i>DrSci, prof., rector M.K. Ammosov NEFU, Yakutsk</i></div><div>Gafurov I.R. <i>DrSci, rector KFU, Kazan</i></div><div>Latyshev A.V. <i>DrSci, acad. RAS, RZhanov ISP SB RAS, Novosibirsk</i></div><div>Members:</div><div>Krymsky G.F. <i>DrSci, acad. RAS, Yu.G. Shufar ICRA SB RAS, Asymcx</i></div><div>Kono K. <i>prof., RIKEN, Japan</i></div><div>Golov A. <i>prof., Manchester University, United Kingdom</i></div><div>Lyayderer P. <i>prof., Universität Konstanz, Germany</i></div><div>Lin Jig-Jong <i>prof., Chiao Tung University, Taiwan</i></div><div>Khrikovini K. <i>prof., Cergy-Pontoise University, French</i></div><div>Prinz V.Ya. <i>DrSci, prof., RZhanov ISP SB RAS, Novosibirsk</i></div><div>Antonova I.V. <i>DrSci, prof., RZhanov ISP SB RAS, Novosibirsk</i></div><div>Chernozatonsky L.A. <i>DrSci, prof., N.M. Emanuel IBCP RAS, Moscow</i></div><div>Kychikin I.S. <i>DrSci, prof., NEFU, Yakutsk</i></div><div>Timofeev A.M. <i>DrSci, prof., NEFU, Yakutsk</i></div><div>Yakovlev B.V. <i>DrSci, prof., NEFU, Yakutsk</i></div><div>Smagulova S.A. <i>PhD, NEFU IPT, Yakutsk</i></div><div>Organising Committee</div><div>Co-Chairs:</div><div>Grigorev Yu.M. <i>GrSci, prof., NEFU, Yakutsk</i></div><div>Tayursky D.A. <i>DrSci, pro-rector, KFU, Kazan</i></div><div>Responsible Secretaries</div><div>E-mail: 2dsystems.yakutsk@mail.ru</div><div>Neustroev E.P. <i>PhD, docent, NEFU, Yakutsk</i></div><div>Nedopekin O.V. <i>Physics Institute of KFU, Kazan</i></div><div>Members of Org Committee:</div><div>Savvinova N.A. <i>DrSci, prof., NEFU, Director of IPT, Yakutsk</i></div><div>Smagulova S.A. <i>PhD, NEFU IPT, Head of Lab. "Graphene Nanotechnologies"</i></div><div>Alekseev A.A. <i>PhD, docent, NEFU IPT, vice dir. on scientific work, Yakutsk</i></div><div>Sharin E.P. <i>PhD, docent, NEFU IPT, Yakutsk</i></div><div>Zhebsain V.V. <i>PhD, NEFU IPT, Head of Chair, Yakutsk</i></div><div>Hukoaaeb A.B. <i>PhD, Senior Research, NEFU IPT, Yakutsk</i></div><div>Timofeeva T.E. <i>PhD, Senior Research, NEFU IPT, Yakutsk</i></div><div>Kapitonov A.N. <i>PhD, Leading Research, NEFU IPT, Asymcx</i></div><div>Popov V.I. <i>PhD, Senior Research, NEFU IPT, Yakutsk</i></div><div>Alekseeb S.N. <i>PhD, YakSC SB RAS, Yakutsk</i></div><div>Fedorov A.G. <i>PhD, docent, NEFU IPT, Yakutsk</i></div><div>Nikiforova L.V. <i>senior lecturer, NEFU IPT, Yakutsk</i></div><div>Lapteva O.I. <i>senior lecturer, NEFU IPT, Yakutsk</i></div><div>Diakonova D.P. <i>vice dir., NEFU IPT, Yakutsk</i></div><div>Vinokurov P.V. <i>Research Fellow, NEFU IPT, Yakutsk</i></div><div>Longinova V.Ya. <i>Head of Lab., NEFU IPT, Yakutsk</i></div></div>	<div><div>Russian Foundation for Basic Research</div><div>Ministry of Education and Science of the Republic of Sakha (Yakutia)</div><div>M.K. Ammosov North-Eastern Federal University</div><div>Kazan (Privolzhsky) Federal University</div><div>A.V. RZhanov Institute of Semiconductor Physics SB RAS</div></div>	
<div>All-Russian conference with international participation "2D Systems of the Strong Correlated Electrons: from Fundamental Research to Practical Applications" is devoted to fundamental and applied research, as well as to the development of mesoscopic electronic devices based on unique pure two-dimensional electron-electron systems localized on the surface of liquid helium and graphene materials.</div> <div>The working languages of the conference are Russian and English</div>		
<div>TOPICS</div> <div><div>• Graphene: new perspectives for applications</div><div>• Spintronics and valleytronics</div><div>• Topological insulators and their application</div><div>• Electrons on liquid helium - on the way to quantum simulators</div><div>• Optoelectronics and biosensors based on 2D materials</div><div>• Other topics in Physics</div></div>		
<div><div>IMPORTANT DATES</div><div><div><div>Registration and paper submission due</div><div>April</div><div>01, 2018</div></div><div><div>Notification of paper acceptance</div><div>April</div><div>15, 2018</div></div><div><div>Payment of the organizational fee</div><div>May</div><div>01, 2015</div></div><div><div>Conference program</div><div>June</div><div>01, 2015</div></div></div></div>		
<div><div>VENUE</div><div>NEFU, Corps of Faculties of Natural Sciences, Yakutsk</div></div>		
<div><div>ACCOMMODATION OF PARTICIPANTS</div><div>Hotel and hostel of NEFU, Yakutsk</div></div>		

Radioelectronics. Nanosystems. Information Technologies (abbr. RENSIT)

Certificate El. no. FS77-60275 on 19.12.2014 of the Ministry of Telecom and Mass Communications of Russian Federation, Moscow

ISSN: 2414-1267online. [Http://www.rensit.ru](http://www.rensit.ru). Publisher - Vladimir I. Grachev. 2018, 30 Juni.

Computer printing, page-proofs, graphics, photos of work - the editors RENSIT.