

# XV RUSSIA - KOREAN SCIENTIFIC AND TECHNICAL CONFERENCE

Yekaterinburg, Ural Federal University

04 ~ 05 July, 2014



## PROGRAM

July 3 – Thursday	
14 <sup>00</sup> – 18 <sup>00</sup>	Hotel check-In
19 <sup>00</sup> – 20 <sup>30</sup> 22 <sup>30</sup> – 23 <sup>30</sup>	Welcome dinner (restaurant "Seoul-Tashkent")
July 4 - Friday	
9 <sup>00</sup> – 9 <sup>30</sup>	Registration of participants (Academic Council Hall)
9 <sup>30</sup> – 10 <sup>30</sup>	<p>Opening ceremony:</p> <p><b>Ten Edis</b> – professor of National University of Science and Technology "MISIS", President of AKSTS Russia</p> <p><b>Silin Yakov Petrovich</b> – Deputy Chairman of Sverdlovsk region's Government</p> <p><b>Lee Seung Jong</b> - Vice President of KOFST</p> <p><b>Koksharov Victor Anatolyevich</b> – Rector of Ural Federal University.</p> <p><b>Shin Mee Kyung</b> – Attache for Education, Science and the Technology Embassy of Republic of Korea.</p> <p><b>Kim Vyacheslav Nikolayevich</b> – General Director of All-Russian Union of Koreans</p> <p><b>Lim Sang Hyun</b> - Director of the Center for Korean-Russian cooperation on science and technology</p> <p><b>Tsoy Alexey Danilovich</b> – Honorary President of AKSTS Russia</p>
10 <sup>30</sup> – 11 <sup>20</sup>	<p>Plenary talk</p> <p><b>Son Eduard Evgenyevich</b> - corresponding member of RAS, "Actual</p>

	Problems of Thermal Physics and Energy» <b>Park Byoung Chul</b> - Korea Research Institute of Bioscience & Biotechnology, Daejeon, Korea, «Overview of life Science in KRIBB and Korea »
11: <sup>20</sup> – 11: <sup>30</sup>	Coffee break
11: <sup>30</sup> – 13: <sup>20</sup>	<p>Workshops:</p> <p style="text-align: center;"><b>BIOTECHNOLOGY</b></p> <p style="text-align: center;"><i>Chairman: professor Kim G. Robert. Academic Council Hall</i></p> <p>T.A. Platonova      Epidemiological importance of chronic viral hepatitis patients in familial-room foci of infection</p> <p>Cho Sa Yeon      Protein tyrosine phosphatases on apoptosis and inflammation</p> <p>R.G. Kim      Molecular markers in cotton plant selection</p> <p>Cho Kyung-Hyun      High-density lipoprotein (hdl) in aging-related disease and non-soluble drug delivery using hd</p> <p>M.T. Ri      The mathematical model of rob, marr, mara regulatory circuit of <i>Escherichia coli</i> gene network</p> <p>Je Kyung Seong      Annotation of human genome through mouse phenotypinghigh-density lipoprotein (hdl) in aging-related disease and non-soluble drug delivery using hd</p> <p>D.L. Tsoy      Liver transplantation for patients with hepatocellular carcinoma</p> <p style="text-align: center;"><b>ENERGY, MECHANICS, ENGINEERING</b></p> <p style="text-align: center;"><i>Chairman: professor Kim A. Vladimir. Auditorium И-310</i></p> <p>V.A. Kim      Kinetics of structural transformations of hardened steel 15x5M during tempering</p> <p>A.D. Khvan      Development of innovative technologies preliminary thermo mechanical processing (ptmp) for increase of firmness of cutting and measuring tools</p> <p>Ryu Jae Yeol      Development of vehicle speed and size measuring system for vehicle classification without mechanical scanning</p> <p>G.C. Cho      UPS and the load compatibility in auxiliary power systems of nuclear power stations</p> <p>Yoo Pyeong Jun      Flexible pavement dynamic response analysis and validation for various truck-tire configurations</p> <p>K.E. Son      New electrical discharges in gas-liquid medium for ecological applications</p> <p>G.N. Khan      Embankment stability loss modeling using discrete element method</p> <p>P.A. Tsoy      Finite element modeling of compression tests</p> <p>K.S. Pak      Efficiency of application of steel frames with prestressed girth rail in far east region</p> <p style="text-align: center;"><b>CHEMISTRY, NEW MATERIALS</b></p> <p style="text-align: center;"><i>Chairman: professor Tkhay D. Valery. Auditorium M-324</i></p> <p>E.B. Ten      Thermodynamics of chromium carbide forming in low chromium cast iron during of it modifying</p>

	<p>Jang Mongjoo Определение 1,1-диметилгидразина методом тандемной газовой хромато-масс-спектрометрии</p> <p>Kim Jung Keun Direct Synthesis Of 1,3-Diketones From Carboxylic Acids And Ketones. Development Of The Claisen Condensation</p> <p>N.O.Kim Comparison of the quality of pharmaceutical raw herb yarrow (<i>Achillea millefolii herba</i>) from different manufacturers by the presence in them of essential oils</p> <p>H.J. Choi Mechanical Properties Of Al/C60 Composites With Nano-Network Structures</p> <p>Lee Jae-Seung Synthesis and reversible assembly of plasmonic nanoparticles</p> <p>N.V. Kuzmina Antibacterial bandage based nanoclusters oxyhydrate gels zirconium, iron, yttrium amid switch of carbon</p> <p>V.D. Tkhai Interaction of silica dioxide and AEM chlorides fusions</p> <p style="text-align: center;"><b>INTERDISCIPLINARY</b> <i>Chairman: professor Pak I. Nikolay. Auditorium И-306</i></p> <p>A.I. Ten Heading urals: social portrait of the modern koreans of the middle Ural.</p> <p>A.V. Kim The motivation of volunteers' work activity (on the basis of korean youth committee association in Rostov region)</p> <p>N.E. Kim Research activities as a work form with gifted children</p> <p>N.I. Pak Expert system based mental scheme</p> <p>E.K. Khe Baggage of future engineer: mathematical ABC and its availability</p> <p>D.V. Shin The participation of the soviet koreans in World War II</p> <p>I.B. Fan Dignity of Russian citizen</p> <p>N.O. Li The analysis of influence of the special economic zone law on the furniture industry of the Kaliningrad region</p> <p>S.E. Yun Problems of wood processing development: Khabarovsky Krai case study</p>
13 <sup>:30</sup> – 14 <sup>:30</sup>	Lunch (Cafe in Ural Federal University)
14 <sup>:40</sup> – 16 <sup>:40</sup>	<p>Workshops:</p> <p style="text-align: center;"><b>BIOTECHNOLOGY</b>_(continued) <i>Chairman: professor Kim G. Robert. Academic Council Hall</i></p> <p>I.K. Bessergeneva Epidemiology of enteroviral infections with clinical type of serous meningitis</p> <p>Hong Seok Cheol Nanoscopic conformational diversity and dynamics of DNA</p> <p>O.I. Khvan Lesion of kidneys by blunt objects in alive people and its morphologic features</p> <p>Woo E.J. Structural and functional studies on the csm complex in crispr/cas system from t. onnurineus</p> <p>V.L. Yun Influence salts of heavy metals on plant productivity Horseradish</p> <p>N.E. Polyakova The variability of mitochondrial and nuclear DNA of the Far eastern redfin <i>Tribolodon hakonensis</i> Tribolodon species complex on the russian part of the area</p>

	<p>(Pisces, Cyprinidae)</p> <p><b>INFORMATION TECHNOLOGY</b>  <i>Chairman: professor Kim L. Valeriy. Auditorium N-310</i></p> <p>I.E. Kan                      Computer-aided design based on discrete optimization of one assortment group of complex products  V.L. Kim                      Installation for researching medical electrodes  R.V. Kim                      Neuro-fuzzy aircraft subsystems failure diagnosis  P.A. Kim                      4D camera-obscūra  L.B. Khegay                  Mental textbook as an electronic teacher  V.S. Khon                      Effectiveness of the drug from plant extracts, as a stimulant for potatoes</p> <p><b>MATHEMATICS, PHYSICS</b>  <i>Chairman: Dr. Tsoi M. Oleg, Auditorium M-324</i></p> <p>K.N. Yugay                  On the possible nature of "room-temperature" superconductivity  A.V. Kim                      The ordinary multiplication of generalized function  D.P. Kim                      Determination of normalized transfer functions  B. Tsoi                        Laminated "room-temperature" superconductor  V.T. Em                       Residual stress measurement in bulk samples by neutron diffraction  V.E. Kan                      Analysis of defects in multi-walled carbon nanotubes after thermal and chemical treatments  O.M. Tsoi                      Radiolysis in the atmosphere-pedosphere system and the mechanism of ignition in forests containing essential oils</p>
16 <sup>:40</sup> – 17 <sup>:00</sup>	Coffee break
17 <sup>:00</sup> – 17 <sup>:40</sup>	Seminar "High quality scientific paper» by A. Loktev, key decisions advisor (Publishing house «Elsevier»)
17 <sup>:40</sup> – 18 <sup>:10</sup>	Conference evaluation
18 <sup>:30</sup> – 22 <sup>:00</sup>	Banquet (Restaurant "Seoul-Tashkent")
<b><u>July 5 – Saturday</u></b>	
8 <sup>:00</sup> – 11 <sup>:30</sup>	Excursion
11 <sup>:30</sup> – 11 <sup>:45</sup>	Hotel check-out
11 <sup>:45</sup> – 12 <sup>:45</sup>	Lunch (Restaurant "Seoul-Tashkent")
13 <sup>:00</sup> – 15 <sup>:30</sup>	Ceremonial meeting and a concert dedicated to the Anniversary of the voluntary resettlement of Koreans in Russia
15 <sup>:30</sup> – 16 <sup>:30</sup>	Furshet