

Dear colleagues,

Good day!

Herewith I kindly invite you to a new international workshop KSCMBS-2016, ("Khujand Symposium on Computational Materials and Biological Sciences"), to be held in Khujand, Tajikistan.

1st Announcement of the KSCMBS-2016 (new workshop)

"Khujand Symposium on Computational Materials and Biological Sciences"
Khujand State University named after Academician B. Gafurov
Ministry of Education and Science of the Republic of Tajikistan
September 24-28, 2016, Khujand, Tajikistan

Organizing committee:

Anvar Maqsudov (Co-Chairman, Rector of Khujand State University named after Academician B. Gafurov of Ministry of Education and Science of the Republic of Tajikistan)
Kholmirzo Kholmurodov (Co-Chairman, JINR, Dubna, Moscow region, Russia)
Yuko Okamoto (Co-Chairman, Nagoya University, Nagoya-Aichi, Japan)
Roman Efremov (Co-Chairman, IBCh, RAS, Moscow, Russian Federation)
Tomoyuki Yamamoto (Co-Chairman, Waseda University, Shinjuku-Tokyo, Japan)
Kenji Yasuoka (Co-Chairman, Keio University, Yokohama-Kanagawa, Japan)

Local organizing committee:

Dr. Rahim Nazarov (Dean, Faculty of Physics, Khujand State University named after Academician B. Gafurov, Republic of Tajikistan)
& (staff member, students, Faculty of Physics of Khujand State University)

International advisory committee:

Academician Farhod Rakhimov (Co-Chairman, President of Academy of Sciences of the Republic of Tajikistan)
Prof. Khikmat Muminov (Co-Chairman, Director of S.U.Umarov Physical-Technical Institute, Corresponding member of the Academy of Sciences of the Republic of Tajikistan)
Prof. Genri Norman (Joint Institute for High Temperatures, RAS)
Prof. Misuhiro Matsumoto (Kyoto University, Japan)
Dr. Satoshi Ohmura (Hiroshima Institute of Technology, Japan)
Dr. Takao Yoda (Nagahama Institute of Bio-Science and Technology, Japan)
Dr. Ilya Kovalenko (Moscow State University, Russia)
Prof. Galina Riznichenko (Moscow State University, Russia)
Prof. Vladimir Stegailov (Joint Institute for High Temperatures, RAS)
Prof. Aram Shahinyan (NAS, Armenia)
Dr. Armen Poghosyan (NAS, Armenia)
Prof. Viktor Lakhno (Puschino Scientific Center, RAS, Puschino)
Prof. Viktor Aksenov (Petersburg Nuclear Physics Institute, NRC "Kurchatov Institute")
Dr. Vladimir Isaev-Ivanov (Petersburg Nuclear Physics Institute, NRC "Kurchatov Institute")
Dr. George Rytchkov (Petersburg Nuclear Physics Institute, NRC "Kurchatov Institute")
Dr. Alexei Shvetsov (Petersburg Nuclear Physics Institute, NRC "Kurchatov Institute")
Dr. Timur Tropin (FLNP, JINR, Dubna, Moscow region, Russia)
Prof. Nasser Sweilam (Cairo University, Giza, Egypt)
Dr. Subrata Majumder (National Institute of Technology, Patna, India)

The research topics to be covered at KSCMBS-2016 are as follow:

(RUS)

"Международный симпозиум по применению вычислительных методов в материаловедении и биологии, KSCMBS-2016"

В рамках KSCMBS-2016 будут обсуждаться следующие исследовательские темы:

- *Методы и подходы компьютерного молекулярного моделирования;
- *Моделирование с помощью методов молекулярной -динамики (МД) и Монте-Карло (МК);
- *Моделирование биомолекулярных систем (белков, нуклеиновых кислот, биомембран);
- *Радиационная физика, влияние радиации на биосферу, физика твердого тела (физика конденсированного состояния);
- *Физические и биохимические системы (газы, кристаллы, жидкости, полимеры, био-трибология);
- *Производство материалов и дизайн (ионно-примесные структуры, клатраты высокого давления, углеродные нанотрубки);
- *Рациональное компьютерное конструирование новых лекарств;
- *Вычислительная физика, химия, биология и медицина;
- *Молекулярная динамика с использованием графических ускорителей.

(ENG)

"Khujand Symposium on Computational Materials and Biological Sciences KSCMBS-2016"

The research topics to be covered at KSCMBS-2016 are as follow:

- *Computer molecular simulation methods and approaches
- *Molecular dynamics (MD) and Monte-Carlo (MC) techniques
- *Modeling of biological molecules (RNA, DNA, proteins, enzymes, mutation transitions, etc.)
- *Radiation physics, the impact of radiation on the biosphere, solid state physics (condensed matter physics)
- *Physical and biochemical systems (gasses, crystals, liquids, polymers, bio-tribology, etc.)
- *Material fabrication and design (ion doped structures, high pressure clathrates, carbon nanotubes, etc.)
- *Drug design in medicine (docking of one molecule to another, inhibitory activities of enzymes, etc.)
- *Computational and computing physics, chemistry, biology and medicine
- *GPU accelerated molecular dynamics & related techniques

Registration Fee:

\$200 (covers proceedings, local transportation, and social events).

For the MS and PhD students the registration fee is a half discounted (\$100).

Please e-mail me your extended abstracts, indicating the workshop's name "**KSCMBS-2016**"! (MS Word, New Times Roman 11pt; up 2 pages with Figures, Tables, Refs.; including all authors and addresses; for examples, see: <http://lrj.jinr.ru/conf/mssmbs12/BookOfAbstracts-MSSMBS2012.pdf>).

Regarding the VISA and HOTEL please e-mail your passport copies to:

Rahim Nazarov <hgu_nazarov@mail.ru> (cc: Kholmirzo Kholmurodov <mirzo@jinr.ru>).

I am looking forward to welcome you in KSCMBS-2016, in Khujand, Tajikistan, September 24-28!

With best wishes,
Mirzo.

Yours sincerely,

Sci. Dr. Kholmirzo T. Kholmurodov

Organizing Chairman of the Japan-Russia International Workshops MSSMBS

"Molecular Simulation Studies in Material and Biological Sciences"

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