

Уважаемые коллеги!

22 октября 2015 года на Геологическом факультете МГУ (Главное здание, ауд. 415) состоится международный семинар «Минералогия высоких давлений: теория и эксперимент». Приглашаем вас принять участие в этом мероприятии

Программа семинара:

10-00 Opening of the Seminar

10-10 **Academician Dmitry Pushcharovsky** (*Geological Faculty, Moscow State University*) “Mineralogy and structure of mantle: Contribution of Geology Dept., Moscow State University”

10-35 **Professor Tetsuo Irifune** (*Geodynamics Research Center, Ehime University*) “Novel multianvil technologies for deep mantle mineralogy and materials synthesis”

11-00 **Professor Hiroyuki Kagi** (*Geochemical Research Center, Graduate School of Science, University of Tokyo*) “Pressure-induced reactions in organic materials: a new insight for evolution of bio-related molecules”

11-25 **Dr. Sci. Dmitry Zedgenizov** (*Sobolev Institute of Geology and Mineralogy*) “The indicators of subducted crustal sources for diamonds in sublithospheric mantle”

11-45 **Professor Luca Bindi** (*Dipartimento di Scienze della Terra, Università degli Studi di Firenze*) “Ultra-high amounts of sodium in the ringwoodite structure”

12-05 **Professor Andrey Bobrov** (*Geological Faculty, Moscow State University*) “High-pressure components of natural garnets”

12-25 – 13-30 Lunch

13-30 **Professor Artem Oganov** (*State University of New York*) “Crystal structure prediction as a tool to probe planetary interiors”

13-55 **Dr. Sci. Konstantin Litasov** (*Sobolev Institute of Geology and Mineralogy*) “Recent progress in understanding the composition of the Earth's core”

14-15 **Professor Oleg Safonov** (*Institute of Experimental Mineralogy*) “Mineral indicators of alkali activity in the upper mantle, a review”

14-35 **Professor Toru Inoue** (*Geodynamics Research Center, Ehime University*) “The stability and water solubility of high pressure hydrous and nominally anhydrous minerals in the mantle”

15-00 **Professor Yuriy Litvin** (*Institute of Experimental Mineralogy*) “Basics of the mantle-carbonatite concept of diamond genesis”

15-20 – 15-40 – *Coffee break*

15-40 **Alexey Ragozin** (*Sobolev Institute of Geology and Mineralogy*) “U/Pb dating of rutile from eclogite xenolith from Udachnaya kimberlite pipe (Yakutia)”

16-00 **Associate Professor Hiroaki Ohfuji** (*Geodynamics Research Center, Ehime University*) “Microtexture and formation mechanism of impact diamonds from the Popigai crater, Russia”

16-20 **Ekaterina Sirotkina** (*Geological Faculty, Moscow State University*) “Chromium phases in the Earth's mantle: Evidence from Experiments at 10-24 GPa”

16-35 **Masahiro Kobayashi** (*Geochemical Research Center, Graduate School of Science, University of Tokyo*) “Mantle metasomatism inferred from halogens and noble gases of mantle-derived materials”

16-55 **Natsuko Asano** (*Geodynamics Research Center, Ehime University*) “Mineralogical and crystallographical study on the microtexture and genesis of polycrystalline diamond, carbonado”

17-10 **Dr. Sci. Andrey Shiryaev** (*Institute of Physical Chemistry and Electrochemistry*) “Structure of carbonate-silicate melts and quench glasses and speciation of Y, Sr, Zr”