

TOPICS TO BE COVERED AT SUZDAL, Russia

(1.) Latest computational methods in seismology, including data analysis, global seismology and numerical methods.

this session will be co-sponsored with a mathematics school from Novosibirsk

Session leader: Anton Duchkov and Jean-Pierre Vilotte

(2.) Dynamics involving rheological consequences of water in the mantle, map the water content, seismological observations of water in the mantle, anisotropy, electrical conductivity of water

Session Leaders: Shun-ichiro Karato and Jean-Paul Montagner

3.) Computational mineral physics

Session Leaders: Artem Oganov and Anatoly Belonoshko

(4.) Computational techniques in geodynamics and new hardware development

Session Leader: Yuri Yu. Podladchikhov and Stefan Sobolev

(5.) Mantle heat-transfer and dynamical processes, thermal history, planetary processes and extra-solar planets.

Session Leaders : Slava Solomatov and Paul Tackley

(6.) Rheological consequences : shear heating and shear zones, granitic intrusive complex pseudo-tachylytes, slow earthquakes

Session Leaders : Alexei Perchuk and Taras Gerya

(7.) High-pressure mineralogy and rheology.

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ultra-high pressure, high temperature rheology, latest technical development, magma and suspensions

Session Leader: Oleg Kuskov