

GEODYNAMICS SYMPOSIUM

Structure and Dynamics of Continental Lithosphere: A Geophysical Perspective

4th October 2019

Dipartimento di Matematica e Geoscienze, Università di Trieste

Via Weiss, 2 Palazzina Q, Aula B

Conveners: Magdala Tesauro and Carla Braitenberg

9:00-9:15 *Welcome and Introduction*

9:15-10:00 **Walter Mooney (USGS):** *Structure and Evolution of the North American continent and its margins*

10:00-10:45 **Mikhail Kaban (GFZ):** *Structure and dynamics of the Middle East from 3D integrative geophysical modeling*

10:45-11:15 **Fabio Romanelli (Trieste University):** *A geophysical-seismological perspective on the lithosphere-asthenosphere system beneath the Qinghai-Tibet Plateau and its adjacent areas*

11:15-11:45 *Coffe break*

11:45-12:15 **Karim Aoudia (ICTP):** *Earthquake Tectonics and Continental Deformation: Examples from the Alpine-Himalayan region*

12:15-12:45 **Lavinia Tunini (ENS):** *The lithospheric structure and the present-day kinematics in central Eurasia*

12:45-14:00 *Lunch*

14:00-14:30 **Carla Braitenberg (Trieste University):** *Static and dynamic gravity field of the Alps*

14:30-15:00 **Giuliana Rossi (INOGS):** *Crustal physical properties prospection through strain transient analysis of the Northern Adria microplate*

15:00-15:30 **Magdala Tesauro (Trieste University):** *Temperature, composition, and strength variability of the Australian lithosphere*

15:30-15:45 *Coffe break*

15:45-16:15 **Alberto Pastorutti* (Trieste University):** *Solid Earth data reductions to global gravity models*

16:15-16:45 **Tommaso Pivetta* (Trieste University):** *Gravity and topography regression for investigating the Earth and planetary structures*

16:45-17:15 **Luigi Zampa* (INOGS):** *Origin of Venusian surface deformations from gravity and topographic models*

17:15-17:30 *Final discussion and Conclusions*

*PhD Students