



**Dipartimento di Matematica e Geoscienze**  
**UNIVERSITA` DEGLI STUDI DI TRIESTE**

# **GEODYNAMICS SYMPOSIUM**

**Structure and Dynamics of Continental Lithosphere:  
A Geophysical Perspective**

**Trieste 4th October 2019**

**Aula B**

Palazzina Q

**via Via Weiss, 2 - Trieste**

# ***GEODYNAMICS SYMPOSIUM***

*Structure and Dynamics of Continental Lithosphere: A Geophysical Perspective*

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**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** *Coffee 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** *Coffee 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