



Karst Hydrogeology and Geodesy

Karst-Carso-Kras, a dynamic borderland

Presentation of the Karst continuous gravity monitoring network

Symposium in memoriam of Prof. Maria Zadro

16th -17th of November 2018

University of Trieste, DMG, Via Weiss 6, Trieste

Building O Room A

16 November 2018

Oral Contributions

Introduction to the Symposium. Review of the scientific works of Prof. Maria Zadro.

Contributions by: Prof. Francesco Princivalle (University of Trieste), Prof. Carla Braitenberg, Dr. Giuliana Rossi (OGS) 10:00-10:45

Break

Scientific presentations

1. Prof. J. de Waele (Spaeleogenesis in Carbonatic Rocks, University of Bologna) 11:00-11:20
2. Dr. C. Calligaris (Are there sinkholes or dolines in the Friuli Venezia Giulia Region? State of the art of an underestimated geo-hazard.) 11:20-11:40
3. Prof. L. Zini (Hydrogeology of Carso/Kras, University of Trieste) 11:40-12:00
4. Prof. F. Gabrovšek (Hydraulic models in Karst, University of Nova Gorica/ZRC SAZU) 12:00-12:20
5. Dr. T. Pivetta (Gravity Network in Karst, University of Trieste) 12:20-12:40

Lunch

6. Prof. B. Meurers (Tides and other signals in continuous gravity observations in the Superconducting Gravimeter of the Conrad Observatory, University of Vienna) 14:30-14:50
7. Dr. G. Gabriel (Gravity monitoring of sinkholes, Leibniz Institute for Applied Geophysics) 14:50-15:10
8. Dr. S. Bruni (Separating height and mass signals in the Medicina (Italy) gravity time series: the role of superficial fluids, University of Bologna (Sara Bruni(1), Susanna Zerbini(1), Hartmut Wziontek (2), Matteo Berti (3), Maddalena Errico (1), 1- Department of Physics and Astronomy (DIFA), University of Bologna, Italy, 2- Federal Agency for Cartography and Geodesy (BKG), Leipzig, Germany, 3- Department of Biological, Geological and Environmental Sciences (BIGEA), University of Bologna, Italy) 15:10-15:30
9. Dr. A. Weise, Prof. T. Jahr (The hydrologic gravity effect and the impact of nearby topography, University of Jena) 15:30-15:50
10. Dr. A. Bratus (Useful experience of geodetic data for the Geologic Survey of Friuli Venezia Giulia) 15:50-16:10

Break

11. Dr. D. Zuliani (GNSS network in FVG, OGS) 16:30-16:50
12. Dr. R. Devoti (GNSS measurements and hydrology, INGV) 16:50-17:10
13. Prof. C. Braitenberg, Dr. M. Bartola (The evolution from underground crustal deformation measurements to InSAR, University of Trieste) 17:10-17:30
14. Dr. G. Rossi (Pressure Variations in crust, OGS) 17:30-17:50
15. Dr. M. Capponi, (Static gravity field from Aerogravimetry, Gred) 17:50-18:10
16. Dr. D. Sampietro (GNSS monitoring with low cost systems, Gred) 18:10-18:30

Dinner at Forst Restaurant, Trieste 20:00

Visit to the new gravity stations, on 17 November 2018.

1. Dr. B. Peric (Škočjan caves, Park Škočjanske jame) 9:30-11:30
2. Representative of Societa' Alpina delle Giulie, Sezione di Trieste del CAI, Commissione Grotte Eugenio Boegan. (Grotta Gigante cave, Borgo Grotta Gigante) 12:00-13:00

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For organisational reasons, **please confirm participation to the Symposium, Dinner, and Visit to the new Gravity Stations by email or phone before November 9, 2018.**

HOW TO ARRIVE? From Trieste Train station: in front of the station take bus 17/ up to the end of the line. Then it's 10' by foot.



