

# Az egbelli mérés emlékülése



PROGRAM  
FINANCED FROM  
THE NRDI FUND

Venue: Culture House, Gbely, Slovakia

Date: 17<sup>th</sup> October, 2019

9.00-10.00 Registration

10.00–10.10 Opening

Gábor Zelei, president, Association of Hungarian Geophysicist

10.10-10.30 Dream of Eötvös — results of gravity and magnetic deep geological research  
János Kiss; Zoltán Szabó, Mining and Geological Survey of Hungary

10.30-10.50 The History of the Hydrocarbon Exploration in the Slovak part of the Vienna Basin

Branislav Šály, Head of exploration, Nafta a.s.

10.50-11.10 Vintage and modern gravity data in HC exploration.

Bryan K. Sralla, Managing Director, Central and Eastern European Region, Vermilion Energy

11.10-11.30 Surface expressions of deep structures of the Carpathian Bend Zone, Romania.  
Victor Mocanu, Professor of Geophysics and Dean of Geology & Geophysics, University of Bucharest

11.30-11.50 Gravity potential as a result of series expansion-based inversion of Eötvös pendulum data

Armand Abordán, University of Miskolc; Mihály Dobróka, University of Miskolc; Lajos Völgyesi, Budapest University of Technology and Economics

11.50–12.10 Revision of Bouguer gravity anomalies of Slovak Republic and interpretation of their enhanced higher derivatives

Pašteka, R.; Zahorec, P.; Szalaiová, V.; Mikuška, J.; Marušiak, I.; Papčo, J.; Kušnirák, D.; Bielík, M.; Krajňák, M.; Pánisová, J. (Comenius University; Slovak Academy of Sciences; Slovak Technical University, G-trend Ltd., Bratislava)

**12.10–13.10 Break (drink and canapés)**



100th anniversary of Roland Eötvös  
(1848-1919), physicist, geophysicist,  
and innovator of higher education  
Commemorated in association with UNESCO



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13.10–13.30 Study of the Lithosphere in the Carpathian-Pannonian Region: based on integrated interpretation of gravity field

Bielik, M.; Zeyen, H.; Alasonati Tašárová, Z.; Goetze, H.J.; Lillie, J.R.; Starostenko, V.; Makarenko, I.; Legosteva, O.; Horváth, F.; Pašteka, R.; Dérerová, J.; Pánisová, J.; Grinč, M.; Šimonová, B.; Balász, A.; Zalai, Z., Harangi, S. (Comenius University; Slovak Academy of Sciences, Bratislava)

13.30–13.50 Significance and applicability of vertical gradients of gravity in 3D and 4D microgravimetry

Vajda, P.; Zahorec, P.; Papčo, J.; Mikuška, J.; Marušiak, I.; Bilčík, D.; Pašteka, R.; Carbone, D.; Greco, F.; Cantarero, M. (Slovak Academy of Sciences; Slovak Technical University; G-trend Ltd.; Comenius University, Bratislava; INGV, Catania)

13:50-14:10 Experiences of the repeated Eötvös experiment

Völgyesi Lajos (BME Általános és Felsőgeodézia Tanszék); Szondy György (független kutató); Tóth Gyula (BME Általános és Felsőgeodézia Tanszék); Péter Gábor (BME Irányítástechnika és Informatika Tanszék); Kiss Bálint (BME Irányítástechnika és Informatika Tanszék); Barnaföldi Gergely (MTA Wigner Fizikai Kutatóközpont); Deák László (MTA Wigner Fizikai Kutatóközpont); Égető Csaba (BME Általános és Felsőgeodézia Tanszék); Fenyvesi Edit (MTA Wigner Fizikai Kutatóközpont); Gróf Gyula (BME Energetikai Gépek és Rendszerek Tanszék); Somlai László (MTA Wigner Fizikai Kutatóközpont); Ván Péter (MTA Wigner Fizikai Kutatóközpont; BME Energetikai Gépek és Rendszerek Tanszék)

14:10-14:50 In the footsteps of Loránd Eötvös 3D photography  
Zsolt László Márkus, Institute for Computer Science and Control, MTA

14.50–15.10 2019: The Roland Eötvös Commemorative Year  
László Szarka, member of the MTA, president, Eötvös 100 Coordination Committee

15:10-15.20 Closing  
Jozef Levoča, E&P Division director, Nafta a.s.



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