

Eötvös 100: Outcomes of the Roland Eötvös Commemorative Year

A special session of the World Science Forum
Budapest, November 20, 2019

2019 is the 100th anniversary year of the death of Roland Eötvös (in Hungarian Eötvös Loránd, 1848–1919), a pioneer of high precision gravitational physics, founding father of applied geophysics and innovator of higher education. His results are still with us, both in capillarity (before 1880) and in various fields of gravity. The Eötvös rule, Eötvös constant, Eötvös number (all related to surface tension of liquids), as well as several gravity terms: the Eötvös torsion balance, Eötvös experiment, Eötvös parameter, Eötvös tensor, Eötvös effect, and the Eötvös (E) physical unit. Roland Eötvös was President of the Hungarian Academy of Sciences (1889-1905), Rector of the leading Hungarian university (now: Eötvös Loránd University), Minister of Religion and Public Education. He was not only a great scientist (explorer of true and deep relations), he was also a great man: supporter of young talents, sports organizer, sportsman, and stereoscopic photographer. At this event, the outcomes of the Eötvös 100 Commemorative Year (eotvos100.hu) were summarized.

Co-Moderators of the Session were: Kathy Whaler, President of the International Union of Geodesy and Geophysics and Alik Ismail-Zadeh, Secretary of the Governing Board, International Science Council. Speakers: László Csaba Szarka, Chair, Eötvös 100 Coordination Team, Zsolt Regály, Senior Researcher, MTA CSFK Konkoly Observatory, Lajos Völgyesi, Research Professor, Budapest Technical University.



Kathryn Whaler's opening address.

From left to right: Zsolt Regály, Sierd Cloetingh, Alik Ismail-Zadeh, Lajos Völgyesi, László Szarka

Stereographic photos of Roland Eötvös provide an insight not only into his field measurements but also to his mountaineering activity, as well as to the historical Budapest. The conclusions of a

recent re-measurement of the celebrated Eötvös experiment (demonstrating the Weak Equivalence Principle with a high precision) are expected to be interesting for a wider audience.

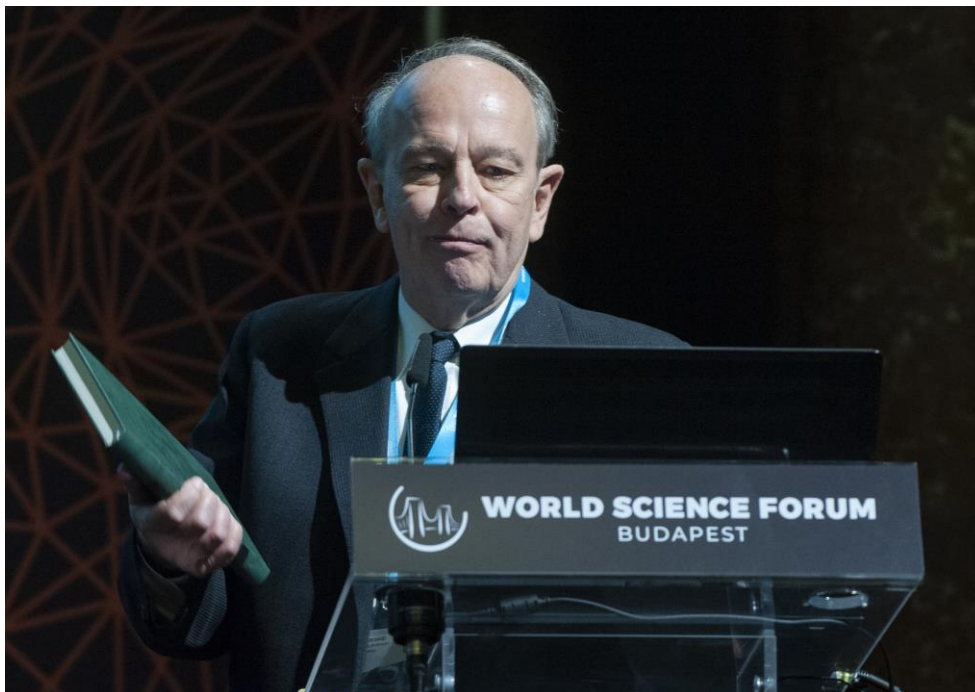


Zsolt Regály presenting digitally converted anaglyph photos made by Roland Eötvös in the Dolomites



Listening to the 3D presentation by Zsolt Regály

The book “The Eötvös experiment in its historical context” (edited by Éva Kilényi, Budapest, Unicus Műhely, 2019, 232 p, 24 cm, ISBN 978-615-5084-71-3, threaded, hardcover) was presented by Jenő Sólyom, President, Eötvös Loránd Physical Society and Gábor Dávid, Senior Physicist, Brookhaven National Laboratory, the mastermind of the English version.



Gábor Dávid, mastermind of the English version of the book



Alik Ismail-Zadeh's closing talk



Sierd Cloetingh, President of the Academia Europaea receives his copy from Éva Kilényi, Editor of the book

Further information:

info@eotvos100.hu, www.eotvos.hu

<https://worldscienceforum.org/programme/2019-11-20-eotvos-100novelties-from-the-roland-eotvos-commemorative-year-142>

Photo gallery:

<https://www.flickr.com/photos/mtasajto/sets/72157711919074002/>