

Invitation to a workshop on Bouguer anomalies methodology (11-12th September 2014)

Dear colleague,

We would like to ask you to participate on an informal two-day gravimetric workshop with the title "Bouguer anomaly - what kind of puzzle it is?", which will be organized in the frame of our running project supported by the Slovak Research and Development Agency within the days 11 - 12th September 2014.

The information about the place of the workshop is "hidden" in the attached announcement :-).

We plan to discuss actual problems connected with the Bouguer anomaly definition and meaning.

Please see the selected topics of talks, which are planned to be given by the members of our project team (listed in the end of this e-mail). We encourage you to contribute with a talk or simply with a short discussion in the frame of discussion panels. But also "a passive" participation (without an active oral or poster contribution) will be warmly welcomed. We are planning to leave the time intervals of the individual contributions relatively open, so we will not have to be stressed by any exact timings.

Detailed list of contributions (oral and/or poster) will be sent to the participants with the second announcement in a few weeks.

There will be:

- No registration fee (with an exception of only a small gratuitous contribution to the Friday dinner),
- Acceptable accommodation in a student hotel, very close to the university,
- Good transport connections from the international airport Vienna - Schwechat.

We expect:

- A small community of experts with large space for discussions,
- Possibility of publication of individual contributions, either in a separated monograph or a special issue of the journal Contributions to Geophysics and Geodesy, registered in the Scopus database.

Some thoughts, given to the end of this invitation:

"Although quite a lot of problem-related papers and books have been published we realize that our understanding to the meaning of Bouguer anomaly has still not been complete. We believe the planned workshop can move us as a community one step further."

"Let us inspire each other in searching the way."

With best regards, on behalf of organizing committee

Roman Pasteka and Jan Mikuska

Preliminary list of topics to be discussed by the participants:

History of the Bouguer anomaly, its key factors and their physical background, basic properties of Bouguer anomalies, ...

Normal Earth gravity field vs gravity effect of an ellipsoidal model ...

Numerical calculation of terrain correction within the Bouguer anomaly evaluation (programs TOPOSK and TOPOWORLD) ...

Distant effects in Bouguer anomaly evaluations (relief, crust, atmosphere) ...

Regional and detailed gravimetric database of the Slovak Republic ...

Bouguer anomaly evaluation in microgravity survey, focused on the calculation of building effects ...

...

Bratislava, February 25, 2014