

XIII. Slovenská geofyzikálna konferencia

Program SGK2024 - Reloaded

12. september 2024

Vestibul

Posterová sekcia

9:00 - 10:00 Gravimetria

- BELINGER, J.**, DOHNALOVÁ, V., PITOŇÁK, M., NOVÁK, P., ŠPRLÁK, M.
1.1 Theoretical and numerical aspects of global gravitational field modelling for spheroidal planetary bodies
- BERÁNEK, R.**, MRLINA, J., KŘIVÁNEK, R.
1.2 Detection of subsurface cavities in Church of Saints Fabian and Sebastian in Zákupy, Czechia
- BÓDI, J.**, VAJDA, P., CAMACHO, A.G., PAPČO, J., FERNÁNDEZ, J.
1.3 Application of the Growth Inversion Approach in volcano gravimetry: detection of thin elongated sources
- ČUNDERLÍK, R.**, MACÁK, M., KOLLÁR, M., MINARECHOVÁ, Z., MIKULA, K.
1.4 3D high-resolution numerical modelling of altimetry-derived marine gravity data
- DÉREROVÁ, J.**, BIELIK, M., KOHÚT, I., MAKARENKO, I., LEGOSTAEVA, O., SAVCHENKO, O., STAROSTENKO, V., ZEYEN, H.
1.5 2D Integrated modelling of the lithosphere and its rheological properties along chosen transects in the carpathian-pannonian area region
- DROŠČÁK, B.**, BOROVSÝ, M., NOVÁK, A., BUBLAVÝ, J., BEŇOVÁ, E.
1.6 National gravity network and its modernisation. Vertical gravity baseline
- GODOVÁ, D.**, SIPPL, Ch.
1.7 Subduction zone in Northern Chile – towards an updated 3D integrated geophysical model
- KARCOL, R.**, PAŠTEKA, R.
1.8 The new form of regularized differentiation operator
- ZAHOREC, P., **NOGOVÁ, E.**, PAPČO, J., PAŠTEKA, R., BIELIK, M.
1.9 Expanded Complete Bouguer Anomaly Map: From AlpArray to AdriaArray
- PÁNISOVÁ, J.**, BIELIK, M., HURAI, V., GODOVÁ, D., BEŽÁK, V., KONEČNÝ, P., HURAI, V.
1.10 3D geophysical-petrological model of the continental lithosphere in the Novohrad-Gemer region (northern Pannonian Basin, SK-HU)
- PAŠTEKA, R.**, BARTON, K., ZAHOREC, P., PAPČO, J., NOGOVÁ, E.
1.11 Pilot geophysical survey of Newgrange Passage Tomb, Ireland
- ZAHOREC, P.**, PAPČO, J., NOGOVÁ, E., PAŠTEKA, R.
1.12 Vertical gravity gradient in volcano monitoring - Campi Flegrei study

10:20 - 11:20 Seizmológia, seizmika, georadar, radiometria, spektrometria, geoelektrika

- BEDNÁRIK, M.**, KOVÁČIK, A.
2.1 Calibration of the RPSG-07 gamma radiation probe – an opportunity to celebrate the 230th anniversary of the method of least squares
- BRIXOVÁ, B.**, PUTIŠKA, R., JURČÁK, S.
2.2 Determining of the depth of limestone bedrock using geophysical methods in Čachtice quarry
- FOJTÍKOVÁ, L.** and department of seismology ESI SAS
2.3 Seismic activity in Slovakia and the Oct 9th, 2023 event in Eastern Slovakia
- GÁLIS, M.**, KRISTEK, J., MOCZO, P., KRISTEKOVÁ, M.
2.4 Effects of Random Small-scale Heterogeneities on Earthquake Ground Motion in 1D, 2D and 3D Modelling
- GRINČ, M.**
2.5 GPR measurements for the bridge diagnostics purposes

- 2.6 **KRISTEKOVÁ, M.**, KRISTEK, J., MOCZO, P., GÁLIS, M.
Detecting underground cavities using seismic ambient noise
- 2.7 **KULTAN, V.**
Využitie Hg-spektrometrie pri mapovaní tektonických línii
- 2.8 **KYSEL, R.**, FOJTÍKOVÁ, L., CSICSAY, K.
How historical earthquakes are investigated:
case study of Dobrá Voda 1906 and 1930 earthquakes
- 2.9 **LUKEŠOVÁ, R.**, FOJTÍKOVÁ, L.
AdriaArray project
- 2.10 **PANDULA, B.**, KONDELA, J., BUDINSKÝ, V., BAULOVÍČ, J., BUCHLA, I.
Optimization of millisecond timing delay of blastings
in quarries using seismic waves
- 2.11 **VALOVČAN, J.**, MOCZO, P., KRISTEK, J., KRISTEKOVÁ, M., GÁLIS, M.
Higher-order Finite-difference Spatial Operators Across a Material Interface
- 2.12 **ZULQRANAN, A.**, ŠPRLÁK, M., KHANB, M. R.
Geophysical Study of Crustal Deformation Using Gravity Data:
Muzaffarabad and Adjoining Regions in Azad Jammu and Kashmir
- 2.13 **MOJZEŠ, A.**
Time repeatability of ground radiometric measurements

11:20 - 12:30 Obedná prestávka

12:30 - 13:30 Geodézia, geomagnetika, magnetotelurika

- 3.1 **FERIANC, M.**, DROŠČÁK, B., SMOLÍK, K.
SKTRF2022 – New national ETRS89 realization and
its contribution to geokinematics of Slovakia
- 3.2 BRESTENSKÝ, J., **FILIPPI, E.**, RANI, H. P., NAYAK, K.
Parameterized Turbulence of the Earth's Outer Core Conditions
in Magnetoconvection Models
- 3.3 **JANČOVIČOVÁ, M.**, DROŠČÁK, B., BUBLAVÝ, J.
New national realization of the EVRS height system in Slovakia
- 3.4 **MARSENIĆ, A.**
On the distortion of the magnetotelluric response
- 3.5 **ONDRÁŠOVÁ, L.**, BEZÁK, V., VOZÁR, J.
Magnetotelluric interpretation of the contact zone structure
between the European platform and the Western Carpathians
- 3.6 **PITOŇÁK, M.**, Belinger, J., NOVÁK, P., ŠPRLÁK, M.
A theoretical study on the spectral combination
of vertical and horizontal spheroidal boundary-value problems
- 3.7 **PITOŇÁK, M.**, Trnka, P., Belinger, J., NOVÁK, P., ŠPRLÁK, M.
FarZone4IT: MatLab software for calculating
far-zone effects in spherical integral transformations
- 3.8 **ŠPRLÁK, M.**, GHOBADI-FAR, K., HAN, Sh-Ch., PITOŇÁK, M., NOVÁK, P.
GRACE/GRACE-FO surface mass modelling by spherical and spheroidal harmonics
- 3.9 **VALACH, F.**, HEJDA, P., REVALLO, M.
Geomagnetic observations at the Clementinum Observatory in Prague
between 1839 and 1926
- 3.10 **VALACH, F.**, VÁČZYOVÁ, M., KOČI, E.
Selected historical geomagnetic observations at the Ógyalla Observatory,
now Hurbanovo
- 3.11 **VÁČZYOVÁ, M.**
Total Field Measurements at the Geomagnetic Observatory Hurbanovo
in the year 2023

14:00 - 14:30

Ukončenie konferencie
(vyhlásenie víťaza, záverečná reč, odovzdania štafety)

Moderátor: Csicsay, K.

Postery budú visieť v časoch, ako je napísané v programe.
Každý poster je zaradený do súťaže o najlepší poster a každý účastník môže hlasovať.