

Program IX. slovenskej geofyzikálnej konferencie

streda 22.6.2011

08:30 - 09:30	registrácia účastníkov (vestibul pavilónu F1)	
09:30 - 09:45	otvorenie konferencie (poslucháreň F1) príhovor vedúceho KAFZM prof. RNDr. Petra Mocza, DrSc. príhovor dekana FMFI prof. RNDr. Jozefa Masarika, DrSc.	
09:45 - 11:00	plenárne prednášky o vedeckých výsledkoch (F1) - Konvenor: Bielik	
09:45 - 10:00	Moczo: Výsledky v seizmológii v r. 2009-2011 v SR	
10:00 - 10:15	Brimich: Výsledky v gravimetrii a geodynamike v r. 2009-2011 v SR	
10:15 - 10:30	Hefty: Výsledky v geodetických metódach výskume Zeme v r. 2009-2011 v SR	
10:30 - 10:45	Ševčík: Výsledky v geomagnetizme v r. 2009-2011 v SR	
10:45 - 11:00	Pašteka: Výsledky v aplikovanej a environmentálnej geofyzike v r. 2009-2011 v SR	
11:00 - 11:30	prestávka	
11:30 - 12:30	pozané plenárne prednášky (F1) - Konvenor: Ševčík	
11:30 - 12:00	Vondrák, AsÚ AV ČR: Research of Earth rotation – past and present	
12:00 - 12:30	Moczo, FMFI UK: Energy, magnitude and intensity of tectonic earthquakes	
12:30 - 14:00	obed	
14:00 - 15:15	prednášky v sekciách	
	F1: geodynamika, gravimetria, geodézia <i>Konvenor: Šefara</i>	F2: geomagnetizmus <i>Konvenor: Hvoždara</i>
14:00 – 14:15	Bielik, Vozár, Alasonati Tašárová, Guterch, Janik, Grad, Zeyen, Goetze, Minár, Kováč, Csicsay, Grinč: New results of the deep seated geophysical interpretation of the Carpathian-Pannonian-Dinaridic lithosphere	Šimkanin, Hejda: Hydromagnetic dynamos in rotating spherical fluid shells in dependence on the Prandtl number and stratification
14:15 – 14:30	Csicsay, Bielik, Grabowská, Vozár: Density modeling along the CELEBRATION 2000 profiles CEL01, CEL04 and CEL05	Šoltis, Brestenský: Magnetoconvection in the fluid layer with anisotropic diffusivities rotating around horizontal axis
14:30 – 14:45	Mikuš, Plašienka, Remiašová: Geophysical research of the Pieniny section of the Pieniny Klippen Belt in the eastern Slovakia	Brestenský, Šoltis: Spin-up at Anisotropic Viscosity
14:45 – 15:00	Brimich, Charco, Kohút, Fernández: 3D analytical and numerical modeling of the regional topography influence on the surface displacement, strain and gravity change due to underground heat source	Marsenič, Ševčík: Magnetic instability in a rotating layer at highly eccentric positions of the critical level
15:00 – 15:15	Prutkin, Vajda, Tenzer, Bielik: 3D inversion of gravity data by separation of sources and the method of local corrections: Kolarovo gravity high case study	Túnyi, Majcin, Guba: A simple model for the magnetic polarity change
15:15 - 15:45	prestávka	
15:45 - 17:00	prednášky v sekciách	
	F1: geodynamika, gravimetria, geodézia <i>Konvenor: Brimich</i>	F2: geomagnetizmus <i>Konvenor: Brestenský</i>
15:45 – 16:00	Mojzeš, Bucha: Determination of accuracy of normal gravity field parameters	Túnyi, Kadzialko-Hofmoki, Orlický, Soták, El Hemaly: Paleomagnetism of Egyptian pyramids
16:00 – 16:15	Janák, Pitoňák: Preparation of GOCE data for regional gravity field modelling	Kysel, Kostecký, Ševčík, Ondrášková: Time – frequency analysis of Schumann resonance signals
16:15 – 16:30	Zahorec, Papčo, Mikolaj, Kučerová, Pašteka: The analysis of vertical gravity gradient measurements in Slovakia	Smetanová, Holý, Jurčák, Omelka, Zelinka: Radon monitoring in Domica cave
16:30 – 16:45	Mikolaj, Mojzeš: Influence of soil moisture variation on gravity measurements	
16:45 – 17:00	Hefty, Gerhátová, Papčo: Monitoring of high-frequency positional variations by using GPS and its potential applications in geophysics	
17:00 – 18:00	posterová sekcia (pri posteroch bude možné diskutovať aj počas spoločenského večera)	
19:00 – 22:00	spoločenský večer, raut v miestnosti medzi posluchárňami F1 a F2	

štvrtok 23.6.2011

9:00 – 10:15		
prednášky v sekciách		
	F1: geodynamika, gravimetria, geodézia <i>Konvenor: Hefty</i>	F2: seizmológia <i>Konvenor: Franek</i>
9:00 – 9:15	Ďuričková, Janák: Optimal calculation of mean values of topographical effects: Case study for Central Europe	Moczo, Kristek, Gális, Chaljub, Etienne: Local errors of numerical schemes for seismic wave propagation
9:15 – 9:30	Mojzeš: National centre for diagnostic of an Earth surface deformation on the area of Slovakia	Kristek, Moczo, Gális: The increasing of computational efficiency of the finite-difference schemes for seismic wave propagation
9:30 – 9:45	Hefty, Gerháťová: Analysis tool for multi-GNSS precise point positioning	Galis, Moczo, Kristek, Pelties: Numerical modeling of dynamic rupture propagation
9:45 – 10:00	Igondová: Parameters of troposphere and ionosphere obtained from processing GNSS observations	Kristeková, Gális, Moczo, Kristek: Methods of a posteriori filtration versus adaptive smoothing of the slip-rate time histories
10:00 – 10:15	Papčo, Majráková, Bakoň, Zahorec: Analysis of physical heights determination in local geodetic network	Valentova, Gallovic, Ruzek, de la Puente: Adjoint tomography applied to Love wave traveltimes in Czech Republic
10:15 - 10:45	prestávka	
10:45 - 11:45		
prednášky v sekciách		
	F1: aplikovaná a environmentálna geofyzika <i>Konvenor: Bielik</i>	F2: seizmológia <i>Konvenor: Galis</i>
10:45 – 11:00	Pánisová, Pašteka: New approach to calculation of the building effect correction in microgravity technique	Cipciar, Kristeková, Fojtíková, Franek, Bystrický, Moczo, Kristek: Earthquakes in Slovakia
11:00 – 11:15	Gajdoš, Rozimant, Mojzeš, Putiška, Dostál: Geophysical results of project „Neotectonic activity of West Carpathians area“ solving	Fojtíková, Kristeková, Vavryčuk: Some methodological aspects of computations of focal mechanisms for weak local earthquakes using waveform inversion method - application to data from Little Carpathians
11:15 – 11:30	Majcin, Bilčík, Hvoždara: Heat flow refraction on subsurface contrast structures - the influence both on measurements and on interpretation approaches	Franek, Kysel, Kristek, Moczo: Estimation of the b-value in the magnitude-frequency relationship for the territory of Slovakia
11:30 – 11:45	Pašteka, Karcol, Mikuška, Marušiak, Kadecký: Magnetic properties of unfired and fired 100 mm projectiles and their impact on interpretation in magnetic UXO-detection	
12:00 - 12:30	záver konferencie (poslucháreň F1)	