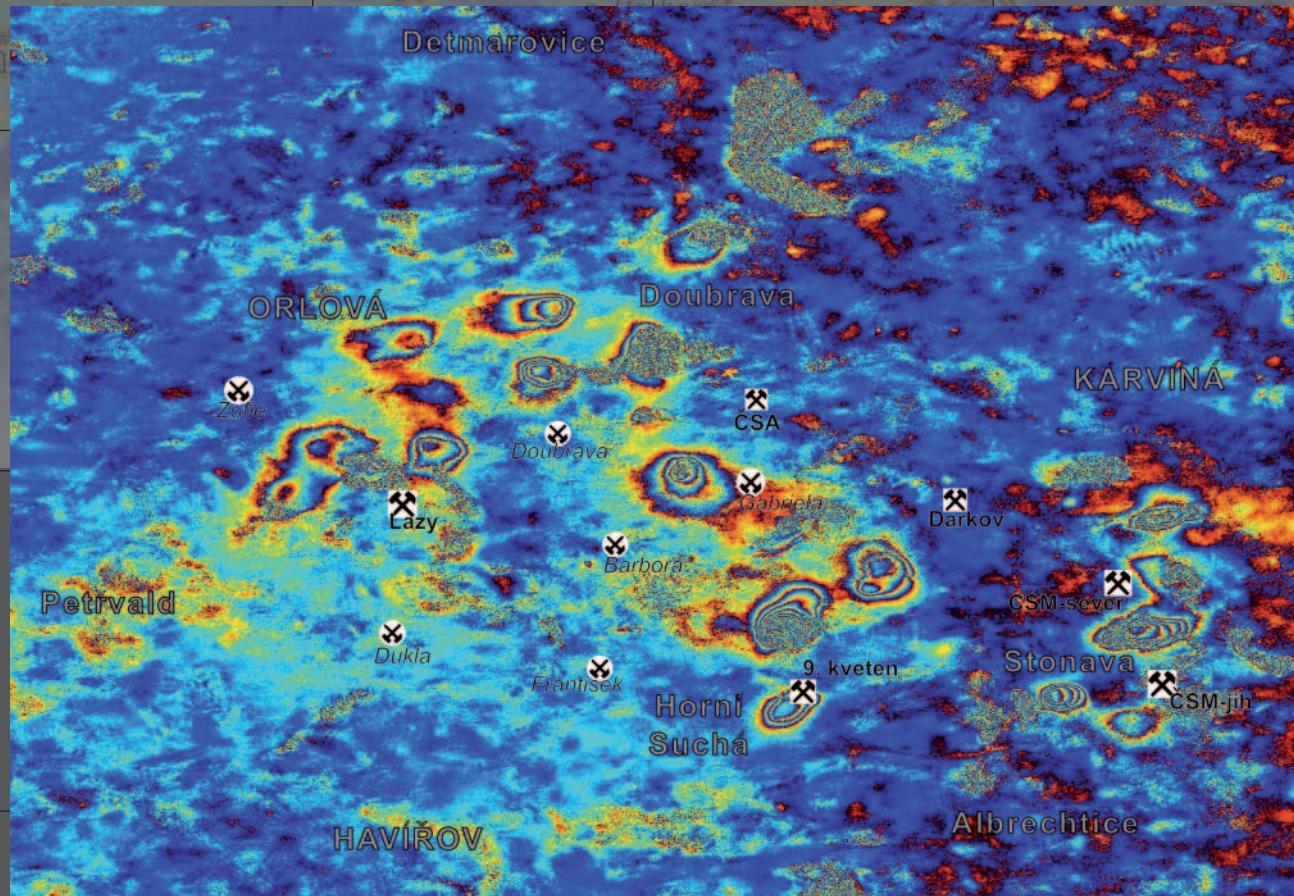




EGRSI

International Journal of Exploration Geophysics, Remote Sensing and Environment



EXPLORATION GEOPHYSICS, REMOTE SENSING AND ENVIRONMENT

Journal "Exploration Geophysics, Remote Sensing and Environment" (EGRSE) publishes original contributions dealing with:

- application of geophysical methods in geology, engineering geology, hydrogeology,
- environment and geothermal energy,
- remote sensing and its application in geology, geodesy, GIS and ecology,
- tectonophysics, physics of the interior of the Earth, seismology, seismotectonics and seismic hazard
- problems of near surface geology

Editorial board:

Chairman: BLÁHA Pavel, Assoc. Prof. RNDr. DrSc., GEOtest, a.s., Brno, Czech Republic

Members: GAJDOŠ Vojtech, Assoc. Prof. RNDr. CSc., Comenius University, Faculty of Sciences, Bratislava, Slovakia

IDZIAK Adam, Prof. zw. Dr. hab., Uniwersytet Śląski, Sosnowiec, Poland

KALÁB Zdeněk, Prof. RNDr. CSc., Institute of Geonics of the Academy of Sciences of CR, v.v.i., Ostrava, Czech Republic

MÜLLER Karel, Prof. Ing. DrSc., VŠB - Technical University of Ostrava, Emeritus Professor, Czech Republic

PALACKÝ Jiří, Mgr. Ph.D., Geological Survey of Canada, Ottawa, Canada, (retired)

SUK Miloš, Prof. RNDr. DrSc., Masaryk University, Brno, Emeritus Professor, Czech Republic

RYŠAVÝ František, RNDr., Karotáž a cementace s.r.o., Hodonín, Czech Republic, (retired)

ZAMARSKÝ Vítězslav, Prof. Ing. CSc, Technical University, Ostrava, Emeritus Professor, Czech Republic

Editor in chief: RYŠAVÝ František, RNDr.

All correspondence to Exploration Geophysics, Remote Sensing and Environment Journal; František Ryšavý, Lesní 3, 695 03 Hodonín, Rysavy.Frantisek@seznam.cz

EGRSE is the official Journal of ČAAG - the Czech Association of Geophysicists, issued twice a year. Deadlines for submission of articles are: January 10; July 10. ČAAG is associated with EAGE from 1997.

Issued price 250 Kč. Single issue price: 450 Kč (two issues), exclusive of postage. Journal is distributed by the editors.

Advertising: Advertisements are accepted. Information on prices can be received from the editors.

COVER: Differential interferogram from Alos Palsar data, 27. 1. 2008 – 13. 3. 2008, displaying subsidence in Karviná AOL.
Author: Milan Lazecký.

© ČAAG - PRAHA, Czech Republic; IČO: 60460253

Acknowledgements

EGRSE thanks the following contributor for its financial support:

- Council of Scientific Societies of the Czech Republic

Editorial Board

All contributions have been reviewed

OBSAH - CONTENT

| | |
|--|-----|
| Blišťan, P., Kovanič L. | |
| Geodetic Methods for Efficient Spatial Data Collection | |
| <i>Geodetické metódy pre efektívny zber priestorových údajov</i> | 1 |
| Doležalová, H., Kajzar, V., Souček, K., Staš L. | |
| GNSS Observations in the Gabriela Locality | |
| <i>GNSS observace na lokalitě Gabriela</i> | 13 |
| Lazecký, M., Jiránková, E., Rapant, P., Bláha P. | |
| Monitoring of Subsidence in Karviná Mining Region Using INSAR Methods | |
| <i>Sledování poklesů v oblasti Karvinska metodami INSAR</i> | 19 |
| Pandula, B., Kondela, J., Holub K. | |
| Investigation on Seismic Signals for Blasting in Quarries | |
| <i>Skúmanie seismických signálov pri odstrelach v lomoch</i> | 41 |
| Pierwoła, J., Kowalska A. | |
| Geoelectrical Study of the Postmining Area in Rudolfowice (Poland) | |
| <i>Geoelektrická studie ve vytěženém areálu v Rudolfowicích (Polsko)</i> | 60 |
| Ścigała R. | |
| The Analysis of Building Objects Inclination Caused by Undeground Mining Extraction | |
| <i>Analýza náklonu stavebních objektů vyvolaného poddolováním</i> | 69 |
| Strzałkowski P. | |
| Verification of Model Describing Temporary Area Subsidence | |
| <i>Verifikace modelu popisujícího pokles areálu v čase</i> | 76 |
| Leššo, I., Flegner, P., Feriančíková K. | |
| Metric Spaces and Quality Control of Rotary Drilling Process | |
| <i>Metrické priestory a riadenie kvality procesu rotačného vŕtania</i> | 82 |
| Leššo, I., Flegner, P., Feriančíková K. | |
| Vizualization of Vibro - Signals in Hilbert Spaces | |
| <i>Vizualizácia vibro - signálov v Hilbertových priestoroch</i> | 96 |
| Ryšavý F. | |
| Induced Polarization – Theory and Interpretation of Well-logging Data | |
| <i>Vynucená polarizace – teorie a interpretace karotážních údajů</i> | 110 |
| Ryšavý F. | |
| Interpretation of the Time Spectrum of the Induced Polarization | |
| <i>Interpretace časového spektra vynucené polarizace</i> | 134 |

Instructions for authors

VSB – Technical University of Ostrava
Faculty of Civil Engineering
Department of Geotechnical Studies and Underground Engineering

New project financed by ESF and the Government of the Czech Republic

“Innovations in Geotechnical Studies”

reg.č.CZ 1.07/2.2.00/28. 0009



- Professional Educational Excursions in ČR and Abroad
- Lectures and Presentations by Experts
- Training of Students in Specialized Companies, potentially Future Employers
- Educational Website
- Possibility of Presentations by Students at Professional Conferences
- New Treatment of 11 Professional Topics; Training with Specialized Equipment

www.geotechnici.cz

Project Manager: doc. RNDr. Eva Hrubešová, Ph.D., eva.hrubesova@vsb.cz



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



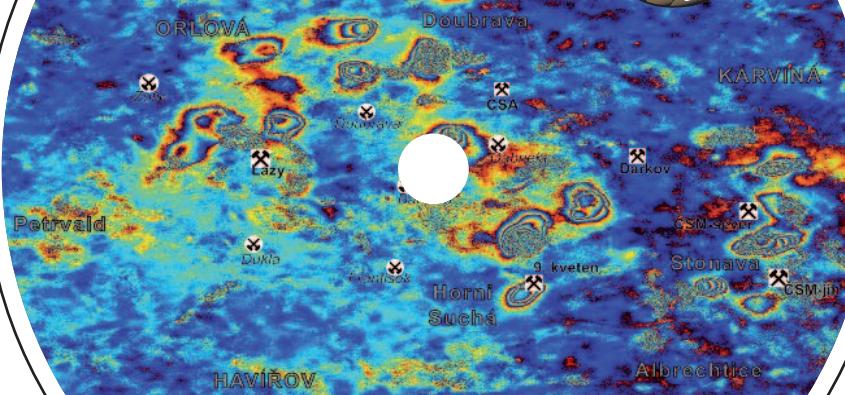
MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

XIX. 1 2012
INTERNATIONAL JOURNAL

EGRSEW



(CD-ROM) ISSN 1803-1447

Editor in Chief: Ryšavy František
All correspondence to Exploration Geophysics, Remote Sensing
and Environment Journal; Lesní 3, 695 03, Hodonín
© ČAAG - PRAHA, Czech Republic;
IČO: 60460253