



**The 5th Congress of
Balkan Geophysical Society
Geophysics at the Cross-Roads**
International Conference and Technical Exhibition
10-16 May, 2009, Belgrade, Serbia

TECHNICAL PROGRAM

MONDAY, 11 May

Adriatic Lecture Room

Plenary Session

9.00 *Alfred Frasher* (*Faculty of Geology of Mining*)
Albanides, a Typical Part of the Alpine Mediterranean Folded Belt, in
the Light of the Geophysical Studies.

9.30 *Margarita Matova* (*Bulgarian Academy of Sciences*)
Balkan Seismic-Hydrogeological Project - Proposal for Decision
Making (Results of the UNESCO-IHP Project: "Seismo-hydrogeological
vulnerability of the environment and society in the Balkan region").

10.00 *Aldo L. Vesnaver* (*OGS, Trieste*)
Active and passive seismic integration by 3D tomography.

10.30-11.00 - coffee-break

11.00 *Darko Tufekčić* (*Tigress, Marlow, UK*)
Permo-Triassic Evaporites of Southeastern Europe - a new context for
hydrocarbon prospectivity.

11.30 *George Apostolopoulos* (*National Technical University of Athens*)
Geophysical investigation for the detection of stratigraphy in an area
of Agios Nikolaos City, Crete.

12.00 *B. Ranguelov** & *G. Mardirosian*
Tsunami investigations in the Black Sea (Bulgarian experience to the
EU SCHEMA Project)

12.30 *J. Petrovszki, T. Lipovics, L. Lenkey, M. Pethe, I. Kudó, G. Kovács, L. Pál, D. Raáb, Á. Domján, E. Ferencz, M. Herein, I. Bajusz*
Geophysical measurements in the Roman age town Porolissum (NW
Romania)

13.00-14.00 - lunch



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- 14.00 *P. Buckup (Helmholtz Centre for Environment Research)*
Use PNN tool for revealing and definition of polluting zones on example from Zeitz und Bitterfeld in Germany.
- 14.30 *P. Trifonova*, Z. Zhelev, T. Petrova & N. Petkov*
Correlation of Curie point depths, heat flow data and geothermal modeling for Bulgarian territory
- 15.00 *Milovan Urošević (Curtin University of Technology, Perth)*
Seismic monitoring and verification of CO2 storage process: phase I and II, Otway Basin Project
- 15.30 *Emin M. Candansayar (Ankara University)*
2D Inversion of Magnetotelluric Data by Sequential Use of Smoothing Regularized Inversion and Quasi-Newton Inversion

16.00-16.30 - coffee-break

Le Club

9.00-10.00 **Course for students** - Prof Alfred Frasheri: Platform for projecting of integrated and cascade use of geothermal energy of low enthalpy.

11.00-13.00 **SEG GAC (Global Affairs Committee) Europe Meeting**

13.00-14.00 - lunch

14.00-15.00 **Promotion of the book** - A. Frasheri, G. Beqiraj, N. Frasheri (Academy of Sciences of Albania): A review of the application of geophysical methods in exploration for copper and chrome ores in Albania (A half of century history).

15.00-16.00 **Promotion of new equipment:** TerraMentor - Multi-parametric probe for the qualitative and quantitative surface and ground water monitoring.

16.00-16.30 - coffee-break



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16.30-17.30 **Course for students** - Prof Alfred Frasheri: Platform for projecting of integrated and cascade use of geothermal energy of low enthalpy.

Mediterranean Lecture Room

Onshore exploration: directions and potentials

9.00 *T. Pindzhurova**

Seismic correction an important step for high quality of reprocessing of the old land seismic data

9.20 *M. Jakelic*, A. Preglej & N. Zavišin*

Bati Raman Oilfield, PNN™ Tool Application Case Study

9.40 *E. Prenjasi*, S. Kasapi, S. Nazaj & L. Arapi*

Onshore hydrocarbon exploration in thrust belts regions

10.00 *T. Sretenovic*, M. Cvetkovic, K.J. Marfurt, N. Pralica & S. Chávez-Pérez*

Some Application of Wavelet Transform In Seismic Data Processing

10.20 *M. Asgharzadeh**

Feasibility of Underground Stress Estimation by Combined Use of Time-Lapse P-P and P-S Seismic Data

10.40-11.00 - coffee-break

11.00 *Đ. Ćirić**

Seismofacial analysis – new trends in Geophysical Institute, Belgrade (Serbia)

11.20 *V. Silo*, P. Nishani & E. Silo*

Hydrocarbon Exploration under Kruja Zone in Tirana-Rodon Area, Albania

11.40 *D. Radivojević* & R. Pešalj*

Importance of Geovalidation: A Case Study of Choka area (Northern Banat)

12.00 *M. A. Sunneticogly, O. Korucu, R.O. Temel*

The analysis of paleoenvironment indications of the Oligocene Osmacik Deltaic system on 2D and 3D seismic reflection data, Thrace basin, Turkey



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12.20 *V. Radeva* & V. Dobrev*
Results from 3-D seismic survey in the area of Butan, north-west Bulgaria

12.40 *I. Györfi**
Geological and geophysical advances in a mature hydrocarbon province: Pannonian Basin, Hungary

13.00-14.00 - lunch

Special topics

14.00 *L.Leshi*, S. Kasapi & S. Dema*
Sulphide mineralization investigation with geologic - geophysical - geochemical methods at Perlat - Tutriq area, Albania

14.20 *N. Economou* & A. Vafidis*
Deterministic deconvolution for GPR data in t-f domain

14.40 *V.A. Azizaj*, S.D. Dema & S.K.K. Kasapi*
Geological-geophysical study of landslide on Drini Valley, Albania

15.00 *Aleksandra Kolarski**
Sensing the Earth's low ionosphere during solar flares, using VLF signals and GOES solar X-ray data

15.20 *G. Ignatov**
Practical Examples for Multiple Suppression

15.40 *C. Kurtulus*, F. Sertcelik, M. Canbay & I. Sertcelik*
Estimation of Atterberg Limits and Bulk Mass Density of Derince Expansive Soil from P-Wave Velocity Measurements

16.00-16.30 - coffee-break

16.30 *C. Kurtulus*, A. Bozkurt & H. Endes*
Estimation of Engineering Properties of Derince and Körfez Sandstones Using Ultrasonic Pulse Velocity and Uniaxial Compr

16.50 *V. Dogan, M. Živanov, M. Brkić, M. Slankamenac*
One Solution for Orientation Sensor Hardware Realisation



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- 17.10 *M. Dašić, M. Stankamenac & M. Živanov*
Communication and hardware system for FLOWMETER
- 17.30 *M. Danov*, D. Stoyanov & D. Petkov*
Experimental Assessment of Diffusion Degree of Rock and Mineral
Samples in the Thermal Infrared Band
- 17.50 *Mary Kovacheva**
Sofia's Palaeomagnetic laboratory achievements in archaeomagnetism
- 18.10 *R. Oezsen* & C. Gregory*
Common Reflection Angle Migration for improved prediction of
structure and reservoir in structurally complex regime

TUESDAY, 12 May

Mediterranean Lecture Room

Environmental Geophysics

- 9.00 *J. Knežević*
Sequence monitoring
- 9.20 *N. Marinova, B. Rangelov*, G. Mardirosian & E. Spassov*
Classifications, Management and Aerospace Methods for Natural
Hazards Studies
- 9.40 *S. Bogojević**
Plutonium in Chernobyl fallout at Belgrade location
- 10.00 *Z. D. Andonov**
Strategic RS - EO Paradigms in Cosmical Geophysics and
MultiDimensional Space - Times Synergetics

10.30-11.00 - coffee-break



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Seismological Observaton and Interpretation

- 11.00 *D. Akin**
Turkey's Disaster Archive System
- 11.20 *B.K. Rangelov* & G.H. Mardirosian*
Tsunami investigations in the Black Sea (Bulgarian experience to the EU SCHEMA Project)
- 11.40 *B.K. Rangelov* & V. Nikolov*
The most ancient salt production factory in Europe and the oldest seismic event documented to the region of Provadia
- 12.00 *S. Öztürk* & Y. Bayrak*
Spatial variations of seismicity rate precursor to the Erzurum (Turkey) earthquake sequences on March 25 and 28, 2004

13.00-14.00 - lunch

Geophysics and cultural heritage

- 14.00 *M. Kovacheva**
Geomagnetism and archaeology. Archaeomagnetic dating
- 14.20 *G. Apostolopoulos*, K. Pavlopoulos, J. Basiakos, K. Leontarakis, D. Baltoukas & K. Theodorakopoulou*
Geophysical investigation for the detection of stratigraphy in an area of Agios Nikolaos City, Crete
- 14.40 *S. Kasapi*, S. Nenaj, H. Reçi & G.N. Tsokas*
Use of 2-D resistivity images in search for buried objects at the Rrogozhina archaeological site (Via Egnatia)
- 15.00 *G. Tsokas* & P.I. Tsourlos*
ERT Survey at the Wall of Acropolis of Athens

Geothermal energy

- 15.20 *K. Popovski* & S.P. Vasilevska*
Overview of geothermal resources and application-possibilities for development



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15.40 *A. Frasheri**
Scenarios for Integrated and Cascade Use of Geothermal Energy of
Low Enthalpy in Albania

16.00 *B. Ivanković* & P. Begović*
Geothermal Potentials of the Banja Luka Region

16.00-16.30 - coffee-break

Hydrogeophysics

16.30 *S. Dema*, L. Leshi & S. Kasapi*
Some examples of the electric soundings in the investigation and
estimation of aquifers in Albania

16.50 *P. Sotiropoulos, S. Pavlos, *G. Sideris, A. Tzannis, S. Chailas, Ch. Kranis,
P. Karmis*
Geophysical investigation of hydrogeological conditions and salination
processes at the Marathon – Kato Souli basin (NE Attica, Greece)

17.10 *I. Mitrović**
Hydrogeological characteristics of Ključ springs (Serbia)

17.30 *V.A. Azizaj*, S.D. Dema & S.K.K. Kasapi*
Geological-geophysical study of landslide on Drini Valley, Albania

17.50 *G.N. Sideris* & P. Sotiropoulos*
Automated monitoring of groundwater quality with ion-selective
electrodes. An application at the K. Souli area, Greece

18.10 *I. Jata* & S. Kasapi*
Application of surface geophysical methods in groundwater
prospecting in the Shkodra region

Adriatic Lecture Room

9.30-13.00 ***Distinguished Lecturer Program (EAGE)*** - Prof. Bruno
Meurers: Potential Field Continuation between Irregular Surfaces - Problems
and Applications.

13.00-14.00 - lunch



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15.00-17.30 **Course for professionals** – Prof Alfred Frasheri: A review on geophysical exploration of chromite deposits

16.00-16.30 - coffee-break

16.30-18.00 **Official BGS Presidents'/delegate meeting**

Le Club

9.00-13.00 **Student Lecture Tour (EAGE)** - Dr Peter Nederlof: New Applications in Petroleum Geochemistry.

13.00-14.00 - lunch

14.00-14.30 **Commercial presentation:** Gyorgy Horuczi (PANNERGY Plc., Budapest, Hungary)

LIFE AND ENERGY IN CARPATHIAN BASIN. Social and Environmental Mission with Geothermal Power Generation.

WEDNESDAY, 13 May

Adriatic Lecture Room

Special Session: Climate changes and mitigation – CCS

9.00 A. Shogenova*, S. Šliaupa, K. Shogenov, R. Šliaupiene, R. Pomeranceva, R. Vaher, M. Uibu & R. Kuusik

Challenges and Possible Solutions in the Baltic Region after Legislation of EU CCS Directive

9.20 S. Šliaupa*, R. Lojka, Z. Tasáryová, V. Kolejka & V. Hladik, J. Kotulova, L. Kucharic & V. Fejdi, A. Wójcicki, R. Tarkowski & B. Uliasz-Misiak, R. Šliaupiene, I. Nulle, R. Pomeranceva & O. Ivanova, A. Shogenova

Capacity for Geological Storage of Carbon Dioxide in Central Europe: Slovakia, Czech Republic, Poland, Lithuania, Latvia and Estonia



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9.40 C.S. Sava, S. Anghel and A. Dudu
CO2 Storage Possibilities in Romania

10.00 G. Georgiev*
Estimation of Geological Conditions for CO2 Storage in Bulgaria and
some adjacent zones

10.20 S Komatina-Petrović*
Geology of Serbia and potential localities for geological storage of CO2

10.30-11.00 - coffee-break

11.00 D Šijačić*, K.H.A.A. Wolf and R. Arts
Monitoring of CO2 sequestration in ultrasonic laboratory

11.20 A. Gendrin, S. Bouquet, M. Urošević, H. Bernth, P. Wisman, D.
Labregere, M. Verliac
CO2 storage in CO2CRC/Otway, Australia: sensitivity study on time-
lapse seismic signal using finite difference modeling

12.00-13.00 **Course for professionals** – Prof. Alfred Frasher: Interpretation
problems of electrical sounding and profiling in regions with complicated
geological and rugged terrain.

13.00-14.00 - lunch

Mediterranean Lecture Room

Special Session: Management of the petroleum resources

9.00-9.20 Key note: *Darko Tufekčić*, Consultant

9.20-10.20 East Europe highlights

- Hungarian Experience: *Gabor Szabados*, President, MBFH, Budapest
- Establishment of the Montenegro Agency: *Vladimir Dubljević*, Director, Geological Survey, Montenegro

10.35-11.00 - coffee-break



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11.00-12.00 Data Recovery and Management System, Tigress, Marlow, UK

12.00-12.30 Discussion

Le Club

9.00-10.00 ***Course for students*** - Prof Alfred Frasher: Outlook on the possibility for slope stability evaluation according to petrophysical data.

10.00 -12.30 **Balkan Challenge Bowl** – Students' Quiz

14.00-16.00 Closing Ceremony



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POSTER PRESENTATIONS

MONDAY, 11 May

(9.00-13.00h, Baltic Lecture Room)

Earth Structure and Geodynamics

1. *P. Stavrev*, D. Solakov, S. Simeonova & P. Trifonova*
Regional set of dislocations in the Earth's crust of Bulgaria according to gravity data
2. *I. Gjermani* & S. Dhima*
Using the Seismic methods in the Ionian Zone where Over thrusts are present
3. *G. Georgieva*, I. Radev, I. Popova, E. Mihaylov, G. Marinov, M. Ilieva, K. Matev & M. Atanassova*
Complex investigation of the recent geodynamics in the region of Krupnik-Kresna
4. *G. Mirakovski**
Migration of Material in the Tectonosphere and Riftgene Structure of the Lithosphere
5. *G. Mirakovski**
Riftgene Structure of the Lithosphere - Mediterranean Rift-Systems and Balkan Structuring
6. *A. Yurdakul**
Estimation of the lithospheric flexure with response functions and modelling methods
7. *M. Komatina* & S. Komatina-Petrović*
Geodynamics of Serbia
8. *M Mladenović**
On some problems related to Geodynamics
9. *U. Çeken*, G. Beyhan & O. Polat*
Attenuation relationship for strong grotion: A regional estimate from Turkey
10. *R. Ormeni**
Crustal structure beneath seismogenetic zones and lateral velocity contrasts across deep faults of Albania



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Seismological Observaton and Interpretation

11. *T. Tezel* & T. Shibutani*
Image of the Moho Discontinuity with Receiver Function Analysis
12. *L.D. Dimitrova* & S.B. Nikolova*
Evaluation of ambient noise levels at selected digital stations of the Bulgarian National Seismological Network (BNSN)
13. *M. A. Alkan*, T. Kuru, S. Karakisa, A. Apak, D. Kokbudak, E. Cakir, S. Altioik, H. Albayrak, Y. Iravul & B. Tuzel*
National Strong Motion Network of Turkey
14. *G. Mirakovski**
Seismic magnitude of lithomedia and seismic effect due to blasting explosions
15. *D. Solakov*, S. Simeonova, I. Alexandrova, I. Popova & G. Georgieva*
Earthquake scenarios: cases study for the cities of Ruse and Vratsa
16. *S. Özturk & Y. Bayrak**
Aftershock probability evaluation for recent Turkey earthquakes based on Gutenberg-Richter and Modified Omori Formulae
17. *S. Nikolova, L. Dimitrova & G. Georgieva**
Monitoring of the seismicity in the region of LSN Provadia
18. *S. Dimitrova**
Modeling of seismicity using simplified fault-and-block geometry for South Bulgaria
19. *O. Polat, U. Çeken*, E. Gok & D. Yilmaz*
Preliminary Results of the Ground-Motion Characterization of Metropolitan Izmir: Aegean Region of Turkey
20. *E. Botev*, D. Dimitrov, S. Shanov & I. Georgiev*
Results from monitoring of the Krupnik seismogenic area in SW Bulgaria
21. *O. Polat & E. Gok*
Stress Tensor Inversion Using Microearthquake Information: Application to Bursa, Northwest of Turkey



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MONDAY, 11 May

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New geophysical concepts

1. *E.P. Atyasheva*, E.S. Kiselev, A.V. Zhukov & A.A.Sanjarov*
Constructing digital geologic models of oil-and-gas fields from complex of geophysical technologies
2. *D. Dondurur, M.G. Drahor, G. Çifçi, H.M. Küçük, S. Coşkun, S. Gürçay & P. Özer*
High Resolution Acoustic Mapping of Gassy Sediments and Gas Related Structures in İzmir Gulf, Aegean Sea
3. *N. Krastev, P. Stavrev*, R. Raditchev, V. Stanchev & G. Schwamborn*
Integrated geophysical investigations in the area of Bulgarian Antarctic Base at the Livingston Island

Hydrogeophysics

4. *A. Dodona* & E. Tushe*
Gamma spectrometry analyses of georadiometrical rock samples
5. *F. E. Yildiz**
Determination of the Groundwater-Surface Water Relationship by Using Electrical Resistivity Tests at Develi Closed Basin
6. *N.A. Yakymchuk*, S.P. Levashov, I.N. Korchagin & D.N. Bozhezha*
Express technology of geoelectric investigation for exploring mineral water deposits

Engineering geophysics

7. *A. E. Babacan* & K. Gelisli*
Use of Multichannel Analysis of Surface Waves in Near Surface Investigations for Housing Purposes
8. *R. Henderson**
Engineering and Environmental Geophysics with terraTEM



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9. *N.A. Yakymchuk*, S.P. Levashov, I.N. Korchagin & D.N. Bozhezha*
Geophysical Investigation of Crystalline Massif Structure during
Construction of the Bridge Piers

10. *S. Guri* & M. Guri*
The Geological-Geophysical Interpretation of the Albania Onshore
Quaternary Loose Deposits on the Benefit of Civil Constructions

11. *S. Guri* & M. Guri*
The Geological Setting and Explorations in Albanides Region

12. *V. Ciszkowski*, M. Georgescu, L. Bogateanu, A. Ienciu & N. Dan*
Geophysical Investigation for Finding Out the Causes Leading to the
Degradation of the Tunnel Structure

Geophysics and cultural heritage

13. *K. Gelisli* & A.E. Babacan*
Stability Investigations of Rock Slopes in the Sumela Monastery (Maçka-
Trabzon, Northeastern Turkey)

14. *E. Husejnagić, S. Ž. Stanić, Z. Bošković, K. Mandžić*
Geophysical-geolectric investigations of cultural heritage objects

15. *M. Cukavac, G. Klemčić, Č. Lazović*
Reconstruction of buried objects on the example of Roman tomb in Brestovik
(Serbia) by implementation of GPR

Geothermal energy

16. *S. Kasapi* & S. Bushati*
Iterative building and modification of a conceptual model of the geothermal
resource in Llixhat e Elbasanit, Albania

17. *S.K.H. Wicaksono**
An Approach of Socio-Environmental-Economic Aspects towards Geothermal
Sustainability

18. *S. Smiljanić**
Thermal waters and hydrogeothermal energy

19. *U. Puppini*
CNG initiatives in Italy on Geothermal Energy and CO₂ Sequestration

20. *M. Petrović**
Influence of Renewable Energy Sources on Community Development, Politics
and Aims



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Special topics 1

1. *M. Kis*, T. Bodoky, I. Kummer & L. Sores*
Investigation of the telluric conductivity anomaly at Magyarmecske: the first assumed buried impact crater in Hungary
2. *A. Martinis*, E. Charou, M. Stefouli & A. Kabassi*
Multimedia GIS: A New Tool For Geotourism
3. *A.T. Basokur* & C. Kaya*
Magnetotelluric investigation in Thrace Basin, Northwestern Turkey
4. *F. Vinçani* & P. Leka*
Informatization of VES Data carried out in Para Adriatic Lowland
5. *R. Koçi*, S. Bushati, J-L. Mugnier & E. Perenjasi*
The River Terraces - Indicators of the Neotectonic Movements in Albania
6. *A. Dodona**
Some Aspects of the Radio Geochemical Situations in the Coastal Area, (Durrës-Kepi Rodonit)
7. *E. Dushi**
A Revised Parametric Model of Local Magnitude for Albanian Seismological Network
8. *S. Yilmaz**
Inversion of the Corrected Resistivity Pseudosections of the Near Surface Targets
9. *B. Alpar*, S. Unlu, , Y. Altinok & N. Ozer*
Geobiological Approaches in Assessment of Tsunami Deposits
10. *R. Radichev*, S. Dimovski & E. Zaneva-Dobranova*
Modelling the anomalous gravity effect in the range of the Mirovo salt diapir and the surrounding area
11. *A. Mladenović* & M. Vanić*
Geological and geomorphological potentials of development of eco-tourism on the south-western slopes of the Old Mountain



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12. *Zh. P. Zhelev**, *T. Petrova*, *F. Montesinos*, *R. Vieira*, *J. Arnosó & A. Camacho*

Some New Results of the Analysis of the Lanzarote (Canary Islands) Magnetic Anomaly with Elementary Sources-Final Dipoles

13. *A. Aydin**, *I. Cobanoglu* & *S.B. Celik*

The Relationship between Magnetic Susceptibility and Element Ratios of Clay Samples Collected Different Sites of Turkey

14. *A.E. Adebayo**

Geophysics.....Earth & Ocean Sciences

15. *A. Tsvetkov** & *H. Tzankov*

Schematic map of volcanic centres and intrusive bodies in Eastern Srednogorie and Eastern Rhodopes

16. *G.S.G. Georgiev**

A Wireless Sensor Network for Seismic Activity Registration

17. *D. Borisova**, *B. Banushev* & *H. Nikolov*

Granite and granodiorite identification using spectral unmixing techniques

18. *D. Borisova**, *B. Banushev* & *H. Nikolov*

High resolution spectroscopic measurements and modeling of the O₂ (1,0) atmospheric system band

V.H. Guineva, *R. Werner* & *I. Vince**

19. *A. Correia**

Reconstruction of the Past Climate in Southern Portugal from Geothermal Data

20. *K. Krezhov**

Structure study of synthetic nanosize goethite obtained by co-precipitation route

TUESDAY, 12 May

(14.00-18.00h, Baltic Lecture Room)

Special topics 2

1. *D. Krezhova**, *S. Pristavova*, *M. Tsaneva* & *T. Yanev*

Identification of main rock-forming minerals using texture and spectral reflectance analysis

2. *S. Polavder**

Proposal for protection of Bajevica – Mur geological section near Novi Pazar (Western Serbia)



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3. *S. Fišter** & *S. Polavder*

Detection of genotoxic agents in the river water by analyzing breaks and gaps type damages in fish chromosomes

4. *V. Cibulić** & *J. Luković*

Groundwater quality on the location of HFI "Zdravlje -Actavis" and after the accident 2002

5. *S. Ž. Stanić*

Nikola Tesla - Seismicist

Environmental Geophysics

1. *P. Leka**, *F. Vinçani* & *P. Kosho*

Study of Technogen Contamination spreading in Porto Romano with Geophysical Methods

2. *A. Dodona* & *M. Bytyci*

The Radon radioactive element and its contamination

3. *A. Novitović** & *A. Šestak*

Application of the Geosolar method in purpose to define hydrogeological characteristics of the ground

4. *Y. Muceku*

Landslide and its investigation by the geotechnical and electrical resistance tomography (ERT) methods in Tirana area, Albania

5. *Y. Muceku*

Geotechnical and geophysical investigations in problematic soils of Sukthi area, Albania

6. *A. Aydin**

Pollution Analysis with Magnetic Susceptibility Measurements in Denizli, Turkey

7. *R. Kancheva* & *D. Borisova**

Spectral Reflectance Associated with Anthropogenic Impact

8. *M. Mirzaoglu** & *D. P. Sahinbaz*

The Period and Amplification Map of Bartın by Means Ambient Noise Measurements

9. *S. Smiljanić**

Artificial Physical Fields - Risks and Positive Influence



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10. *S. Smiljanić**

Geophysical Fields - Risks and Positive Effects

11. *N. Trifunović**

Breathing and magnetic characteristics

12. *Zs. Tóth, P. Szafián, G. Bada, G. Göncz & V. Spiess*

Multichannel seismic surveying on Lake Balaton, Hungary providing insights to high-resolution basin stratigraphy and neotectonic habitat

13. *P. Philipoff, E. Botev, G. Petkov, M. Kurteva, V. Todorov, R. Ivanov, D. Bankova & P. Michaylov*

New Technology Solution for Solid and Liquid Waste Full Treatment

14. *S. Komatina-Petrović, S.Ž. Stanić & V. Brašančević*

Contribution of seismic exploration to solving problems of environmental protection

WEDNESDAY, 13 May

(9.00-13.00h, Baltic Lecture Room)

Onshore exploration: directions and potentials

1. *V. Ngresi, K. Jano & I. Gjermani**

Using the seismic methods for contouring the existing oil field in Albania

2. *D. Sunjay**

Geophysical Seismic Signal Processing: Radon Transforms

3. *H. Karsli**

Application of Autoregressive (AR) Extrapolation Technique to Enhance the Deconvolution of Seismic Data

4. *M. Brajanovski*, B. Gurevich, D. Nadri & M. Urošević*

Stress induced azimuthally anisotropic reservoir - AVO modeling

5. *M. Brajanovski* & T. Müller*

Seismic attenuation in partially saturated fractured aquifers

6. *H. Zheng**

Application of Passeis: an open-source seismic data processing package

7. *M. Berić, M. Francuski*

3D seismics in defining geological model of the Western part of Velebit field (Vojvodina, Serbia)



**The 5th Congress of
Balkan Geophysical Society
Geophysics at the Cross-Roads**
International Conference and Technical Exhibition
10-16 May, 2009, Belgrade, Serbia

8. *V. Radeva* & V. Dobrev*

Results from 3-D seismic survey in the area of Butan, north-west Bulgaria

9. *E.P. Atyasheva, E.S.Kiselev, A.V.Zhukov & A.A.Sanjarov*

Constructing digital geologic models of oil-and-gas fields from complex of geophysical technologies

10. *D. Sunjay*

Role of nanoscience & technology in oil industry

11. *S.P. Levashov, N.A. Yakymchuk*, I.N. Korchagin, M.D. Zhuldaspayev, V.I. Yakubovsky & D.N. Bozhezha*

Reconnaissance Aerial Geoelectric Investigations for Oil and Gas within Kostanayskaya Area (Republic of Kazakhstan)

12. *S.P. Levashov, N.A. Yakymchuk* & I.N. Korchagin*

Geoelectric Investigations for Oil-and-Gas of Deep Horizons of Dnieper-Donets Basin (Ukraine)

Climate changes and mitigation – CCS

13. *A. Wójcicki**

CO₂ storage potential of hydrocarbon and coal fields in Poland

14. *G. Falus, K. Torok, M. Hamor-Vido, E. Hegedus, A. Syanosfalvi & H. Jencsel*

Geological sequestration of CO₂: storage options and potentials in Hungary

15. *I. Suáreza, M.A. Zapateroa, R. Martíneza & M.Marinaa*

Synthesis of the exploration of formations with a potential of CO₂ storage: Intermediate Depression and Madrid Basin

16. *P.A. De Paola*

La cattura e lo stoccaggio geologico do CO₂ all'attenzione della Commissione Europea, del Parlamento Italiano e dell'ENEA geologi in primo piano, il C.N.G. Istituisce una Commissione de Studio