



Facultatea de Geologie și Geofizică
UNIVERSITATEA DIN BUCUREȘTI

GEO - 2015

Sesiune
de
comunicări științifice

program

20 noiembrie 2015

București

Secțiunea

GEOLOGIE INGINEREASCA - HIDROGEOLOGIE

Vineri 20 noiembrie 2015, Ora 10:00, Sala I 4 Str. Traian Vuia

10:00 - 10:20 **OPENING SESSION**

Conveners: Assoc.Prof. Mihaela Stănciucu, Prof. Cristian Mărunțeanu

- 10:20 –10:40 D. Mihailescu, E. Milutinovici, S. Corlateanu, G. Matanie - THE INFLUENCE OF OLD LANDSLIDES PRODUCED ON PADUCHIOSU MOUNTAIN'S SLOPES IN REHABILITATION OF THE NATIONAL ROAD DN71, BETWEEN 96 AND 106 KM
- 10:40 –11:00 E. Milutinovici, S. Corlateanu, D. Mihailescu, A. Ienciu - REHABILITATION OF SALIGNY'S BRIDGE OVER THE BUZAU RIVER ON VADUL PASII COMMUNE LOCATED ON THE DC 15, PK 1 + 500
- 11:00 –11:20 G.C. Silvas - DAM RISK MANAGEMENT WITH STABILITY AND WATER INFILTRATION DATA MEASURING AND ACQUISITION SYSTEMS IN ROMANIA
- 11:20 – 11:40 A. Eftimie, E. Oltean, A. Barbieru, M. Alexandrescu - DETAILED LANDSLIDE HAZARD MAPPING OF THE NORTHERN PART OF PRAHOVA COUNTY
- 11:40 – 12:00 M. Scradeanu, I. Popa, M. Mocuta, D. Scradeanu - THE CONCEPTUAL MODEL OF THE POLLUTANTS MIGRATION IN A PHREATIC HYDRO-STRUCTURE. CASE STUDY: FOCȘANI, ROMANIA
- 12:00 – 12:20 D. Scradeanu - THE IMPACT OF THE GEOTHERMAL HEAT PUMPS SYSTEM IN THE AREA OF SCIENTIFIC RESEARCH CENTRE EXTREME LIGHT INFRASTRUCTURE - NUCLEAR PHYSICS (ELI-NP), BUCHAREST-MAGURELE
- 12:20 – 12:40 **Coffee break**
- 12:40 – 13:00 F. Stroia, L. Popescu - SOIL BEHAVIOR FORECAST TO PROGRAM GEOTECHNICAL SURVEYS
- 13:00 – 13:20 M. Stanciucu - SOIL PROPERTIES DERIVED FROM CPT TESTS VERSUS LABORATORY TESTS
- 13:20 – 13:40 C. Marunteanu - THE CURRENT STAGE OF RADIOACTIVE WASTE DISPOSAL IN ROMANIA
- 13:40 – 14:00 Fl. Gheorghiu, M. Borda, B. Congiu, I. Onofrei – SPECIFIC ASPECTS OF GROUNDWATER FLOW AND CONTAMINANT MIGRATION PATHWAYS IN LOESS DEPOSITS

Secțiunea GEOFIZICA

Vineri 20 noiembrie 2015, Ora 13.00, Salile II 4 si II 7, Str. Traian Vuia nr. 6

13:00 OPENING SESSION

The Session of Geophysics at its 10th annual edition (GEO 2006 – GEO 2015)

Regional Geophysics and Geodynamics

Conveners: Prof. Dumitru Ioane and Dr. Crisan Demetrescu, M.C. al Academiei Romane
- Room II 4 -

13:30 – 13:45 R. Partheniu, D. Ioane - TSUNAMI HAZARD ASSESSMENT FOR THE CRIMEA
SEISMIC AREA

13:45 – 14:00 B. Grecu, F. Borleanu, C. Neagoie - AMBIENT NOISE CHARACTERIZATION AT
TWO ROMANIAN SEISMIC ARRAYS

14:00 – 14:15 I. Caragea, D. Ioane - GEOPHYSICAL AND GEOLOGICAL DETECTION OF THE
INTRAMOESIAN FAULT

14:15 – 14:30 M. Diaconescu, A. Craiu, D. Ioane, A. Marmureanu - SPECIFIC CONDITIONS OF
THE EARTHQUAKES SWARM FROM NEGREA -CISMELE AREA

14:30 – 14:45 V. Furnica - A POSSIBLE CONNECTION BETWEEN THE AEGEAN VORTEX
STRUCTURE AND THE SEISMOGENIC VRANCEA ZONE

14:45 – 15:00 E. Alecu, D. Ioane - 2D GRAVITY AND MAGNETIC MODELLING OF DEEP
GEOLOGICAL STRUCTURES: BLACK SEA SHELF, ROMANIA

15:00 – 15:30

COFFEE BREAK

Applied Geophysics

Conveners: Assoc.Prof. Bogdan Mihai Niculescu and Assoc.Prof. Ionelia Panea
- Room II 4 -

15:30 – 15:45: I. Panea, St. Prisacari, V. Mocanu - NON-UNIFORM SEISMIC ILLUMINATION
FROM UNIFORM SURFACE SAMPLING

15:45 – 16:00: B.M. Niculescu, C.M. Ruse, G. Andrei - PETROPHYSICAL, DEPOSITIONAL
ENVIRONMENT AND TECTONIC INFORMATION OBTAINED BY INTEGRATION OF
CONVENTIONAL AND IMAGING BOREHOLE GEOPHYSICAL DATA

16:00 – 16:15: I. Panea, T. Moldoveanu, C. Dinu, I. Scolaru, P. Radan, J. Prvulović – SEISMIC
MEASUREMENTS FOR THE EXCAVATION OF TUNNELS IN AREAS
WITH COMPLEX GEOLOGY

16:15 – 16:30 C. Ungureanu, V. Buzuleac, R. Buzuleac, A. Damian, I. Panea – SEISMIC
MEASUREMENTS FOR LANDSLIDES INVESTIGATIONS

16:30 – 16:45: M. Barbu, C.S. Sava - NUMERICAL COMPUTATION OF THE GRAVITATIONAL
EFFECT OF A SPHERE AND A VERTICAL CYLINDER OF FINITE DEPTH EXTENT
AND COMPARISON WITH ANALYTICAL FORMULAS

16:45 – 17:00: R. Stochici - METHODOLOGICAL STUDIES AND INTERPRETATION OF THE
SPECTRAL GAMMA RADIOMETRIC METHOD IN THE LEVEL OF
NATURAL RADIOACTIVITY

17:00 – 17:15 C. Diacopolos, R. Stochici - IDENTIFYING ACTIVE FAULTS AND SLIDING
PLANE IN NATURAL HAZARD AREAS BY USING ELECTRIC METHODS

POSTER

M. Moraru, M. Mafteiu - CONTRIBUTIONS TO THE INTEGRATED INTERPRETATION OF
GEOPHYSICAL, GEOLOGICAL AND GEOTECHNICAL INFORMATION CONCERNING OIL
POLLUTION IN THE OIL TERMINAL CONSTANTA – 2015

17:15 – 17:30 Closing of the Geophysical Sessions

Electrical Signatures of Groundwater

Conveners: Prof. Aurelian Negut and Lect. Florina Tuluca - Room II 7

- 13:30 – 13:45 F. Chitea, A. Barla, A. Olariu – GIS DATABASE OF MINERAL SPRINGS IN TUSNAD – BALVANYOS AREA
- 13:45 – 14:00 A. Olariu, F. Chitea – SHORT TIME MONITORING OF TUSNAD-BALVANYOS REPRESENTATIVE MINERAL SPRINGS
- 14:00 – 14:15 A. Ionescu, B.M. Kis, C. Baci, A.I. Cozma, A. Sciarra, M. Moldovan, G. Etiop – FIRST ASSESSMENT OF THE FLUX AND ORIGIN OF METHANE AT THE CIOMADU POST-VOLCANIC AREA (ROMANIA)
- 14:15 – 14:30 A.I. Cozma, N.B. Brisan, A. Ionescu, C. Baci, M. Moldovan – CONSIDERATIONS ON THE ORIGIN OF MINERAL WATERS IN CIOMADUL AREA (EASTERN CARPATHIANS) BASED ON CHEMICAL AND CHEMOMETRIC DATA
- 14:30 – 14:45 H. Mitrofan, M. Visan, F. Chitea - CHLORIDE GROUNDWATER DISCHARGES OUT OF CIOMADUL VOLCANO (ROMANIA): POSSIBLE EVIDENCE FOR SEVERAL DISTINCT DEEP-RESERVOIRS SATURATED WITH HIGH-TEMPERATURE FLUIDS
- 14:45 – 15:00 A. Enacheoiaie, A. Olariu – GEOELECTRICAL STUDIES IN THE AREA OF BALVANYOS SPA

15:00 – 15:30 **COFFEE BREAK**

Conveners: Assoc.Prof. Nicoleta Brisan and Drd. Irina Caragea - Room II 7

- 15:30 – 15:45 G.I. Ivan, I. Caragea, A. Gastescu, D. Ioane – DETAILED MAGNETIC SURVEYS FOR MINERAL GROUNDWATER IN AN ACTIVE POSTVOLCANIC ENVIRONMENT: ST. ANA – BALVANYOS AREA, ROMANIA
- 15:45 – 16:00 I. Fikos, F. Chitea – LANDSLIDES FOOTPRINTS ON GEOELECTRICAL DATA – INSIGHTS FROM TWO CASE STUDIES
- 16:00 – 16:15 A. Diaconu, A. Serban – GEOELECTRICAL INVESTIGATION OF TAILING POND FROM TARNAVENI CITY
- 16:00 – 16:30 A. Negut – WELL LOGGING APPLIED FOR GROUNDWATER: CASE STUDIES FROM ROMANIA

POSTERS

M. Moldovan, N.B. Brisan, A. Cozma, A. Ionescu, T. Sferle – RADON MEASUREMENTS IN SOIL
AND MINERAL WATERS FROM BALVANYOS, TUSNAD AND HOMOROD AREAS

A. Biliuta, F. Chitea, S. Hancu - GEOELECTRICAL INVESTIGATION OF
HOMOROD – MUD VOLCANOES AREA

17:15 – 17:30 Closing of the Geophysical Sessions