



May 24, 2017, WEDNESDAY

Mediterranean Lecture room

The 1st Spring School

3G (Geosciences-Geophysics-Geodesy) AND THE ENVIRONMENT

10.00 – 11.00 – Lectures I

11.00 – 11.15 – Coffee-break

11.15 – 12.15 – Lectures II

12.15 – 12.30 – Coffee-break

12.30 – 13.30 – Lectures III



Mediterranean Lecture room

BIOMEDICINE AND GEOSCIENCES – INFLUENCE OF ENVIRONMENT ON HUMAN HEALTH

GEOSCIENCES APPLIED TO SOLVE HUMANITARIAN PROBLEMS ALL OVER THE WORLD

15.30 - 16.00 - Registration

16.00 - 17.30 - Opening Ceremony

17.30 - 17.45 - Coffee-break

17.45 - 19.00 - Invited lectures

- **Danica Grujičić** (TBC)
THE TRUTH ABOUT CONSEQUENCES OF NATO BOMBING

- **Miladin Ševarlić** (TBC)
SERBIA WITHOUT GMO

- **Koya Suto**
NEAR-SURFACE GEOPHYSICS; GEOPHYSICS FOR HUMAN LIFE, GEOPHYSICS IN THE LIFE OF A HUMAN

19.00 - 20.30 - Icebreaker



May 25, 2017, THURSDAY

Adriatic Lecture Room

BIOMEDICINE AND GEOSCIENCES – INFLUENCE OF ENVIRONMENT ON HUMAN HEALTH

9.00 – 11.00

NATURAL RESOURCES OF SOKOBANJA AND RTANJ Mt. AND THEIR EFFECTS ON HEALTH (Panel discussion)

Chairpersons: Randel Petrović, Nenad Č. Bojat

- **Goran Marjanović**
A NEW APPROACH TO HEALTH IN THE 21st CENTURY USING NATURAL ENERGY PHENOMENA AND NIKOLA TESLA'S TECHNOLOGY
- **Snežana Komatina, Miomir Komatina, Zora Žunić**
GEOLOGY OF SOKOBANJA BASIN AND GENESIS OF RADON AND TORONA
- **Randel Petrović**
RTANJ Mt. MICROCLIMATE AND ITS EFFECT ON REHABILITATION OUTCOMES OF PATIENTS AT SOKOBANJA SPA CENTER
- **Vesna Lee**
DISEASES OF MODERN CIVILIZATION

11.00 – 11.15 – Coffee-break

11.15 – 13.15

Chairpersons: Predrag Petrović, Sabahudin Hadrović

- **Jelena Bošković, Nenad Č. Bojat**
IMPORTANCE OF PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE
- **Miomir Komatina, Snežana Komatina, Vladimir Denić, Una Petrović, Nenad Č. Bojat**
PEDOLOGICAL CHARACTERISTICS OF URBAN AREAS AND THEIR IMPACT ON HUMAN HEALTH
- **Šaćira Mešalić, Mahir Mešalić, Dragan Vukajlović, Fejzo Begović, Emina Begović**
EMOTIONAL VALUE OF GOOD SOCIOMETRIC POSITION OF THE STUDENTS WITH SPECIAL NEEDS IN A CLASS
- **Spomenko J. Mihajlović, Milena Cukavac, Elra Hasanagić, Jovica Janković, Miodrag Rašić**
GEOEFFECTIVE IMPACTS OF SOLAR AND GEOMAGNETIC DISTURBANCES
- **Milena Cukavac**
GEOMAGNETIC FIELD SURVEYS IN SEISMICALLY ACTIVE AREAS IN SERBIA (SEISMOMAGNETIC SURVEYS)
- **Pavle Radanov, Jasmina Madžgalj**
EVALUATION OF PM₁₀ CONCENTRATIONS IN THE CONCENTRATIONS IN THE ATMOSPHERE OF URBAN AREAS CONSIDERING HEAVY INDUSTRIAL AIR POLLUTION

13.15 – 14.00 – Lunch

14.00 – 16.00

Chairpersons: Šaćira Mešalić, Petar Dokmanović

- **Spomenko J. Mihajlović**
EFFECTS OF MAGNETIC AND ELECTROMAGNETIC FIELDS AND EMISSIONS
- **Esad F. Jakupović, Veljko N. Đukić**
ASSESSMENT IN THE SYSTEM OF HEALTH AND ENVIRONMENT PROTECTION
- **Jelena Bošković, Nenad Č. Bojat**
IMPORTANCE OF PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE

- **Predrag Petrović, Marija Petrović**
MONITORING OF SURFACE WATER MANAGEMENT IN SERBIA
- **Vladimir Šaraba, Olivera Krunić**
GEOMEDICAL SIGNIFICANCE OF PHOTOTROPHIC BIOFILM AT SELECT POINTS OF EMERGENCE OF THERMAL MINERAL WATER IN SERBIA
- **Esad F. Jakupović, Veljko N. Đukić**
ANIMAL EXCREMENTS FROM LIVESTOCK FARMS AS A HEALTH AND ENVIRONMENTAL PROBLEM

16.00 – 16.15 - Coffee-break

16.15 – 18.15

Chairpersons: Jelena Bošković, Dejan M. Nešić

- **Dejan M. Nešić, Dragana Živojinović, Ljubinka Živojinović, Sanja Mazić, Igor Pantić, Dejan Žikić, Nebojša Lađević**
NEW APPROACHES AND CHALLENGES IN THE TREATMENT OF DIABETES THE SPECIAL HOSPITAL "MERKUR" VRNJAČKA BANJA
- **Jasminka Smailagić**
HEALTH EFFECTS OF UV RADIATION AND VARIOUS WEATHER CONDITIONS: APPROACHES TO STRENGTHENING PUBLIC EDUCATION
- **Marija Petrović, Predrag Petrović**
MONITORING OF WASTE WATER IN SERBIA
- **Biljana S. Vučković, Nataša A. Todorović, Dragan D. Radovanović, Tijana S. Kevkić**
RADON IN DRINKING WATER ON WIDER TERRITORY THE CITY OF KRUSEVAC
- **Olivera Krunić, Petar Dokmanović**
MAGNESIUM MINERAL WATERS ON THE TERRITORY OF SERBIA AND THEIR GEOMEDICAL IMPORTANCE
- **Sabahudin Hadrović, Tatjana Ratknić**
THE EFFECT OF FOREST FIRE ON THE PROTECTION AND PRESERVATION OF THE ENVIRONMENT AND POPULATION HEALTH



Mediterranean Lecture room

GEOSCIENCES APPLIED TO SOLVE HUMANITARIAN PROBLEMS ALL OVER THE WORLD

9.00 – 11.00

Chairpersons: Anton Kepic, Snežana Komatina

- **Alireza Malehmir**
GEOHAZARDS AND HOW GEOPHYSICS CAN HELP
- **Milovan Urosevic, Snežana Komatina, Milenko Burazer, Koya Suto, Siniša Arsenović, Dejan Milošević, Sasha Ziramov, Franco Coren, Miodrag Vujić**
GEOPHYSICAL CHARACTERIZATION OF LANDSLIDES IN SERBIA AND BOSNIA AND HERCEGOVINA
- **Burazer M., Urosević M., Marković M., Vujić M.**
SEISMIC AND RESISTIVITY TOMOGRAPHY IN LANDSLIDE INVESTIGATION
- **Koya Suto**
APPLICATION OF MULTICHANNEL ANALYSIS OF SURFACE WAVES TO ASSESSMENT OF LANDSLIDE RISK
- **Magdalena Markovic, Milovan Urosevic, Snežana Komatina, Koya Suto, Sinisa Arsenovic**
APPLICATION OF GEOPHYSICAL TECHNIQUES FOR INVESTIGATION OF LANDSLIDE IN LOPARE, BOSNIA & HERZEGOVINA
- **Jelena Popović, F. Cescutti, F. Coren**
DIGITAL MODEL OF LANDSLIDES

11.00 – 11.15 – Coffee-break

11.15 – 13.15

Chairpersons: Milovan Urošević, Spomenko Mihajlović

- **C. Juhlin, N. Juhojuntti, B. Brodic, F. Zhang**
AN ATTEMPT TO DEFINE HAZARDOUS ZONES DUE TO SLUMPING USING REFLECTION SEISMIC IMAGING OVER THE PRINTZSKOLD ORE DEPOSIT IN NORTHERN SWEDEN
- **Tim Dean, Nghia Nguyen, Anton Kepic, Brenton Armitage and Huw Rossiter**
SEISMIC ACQUISITION FOR ANY GEOPHYSICIST
- **Alireza Malehmir**
The SEG-GWB quick-clay landslide project in Sweden: What we did, what we learnt and what left to be done and learnt!
- **Duy Thong Kieu, Anton Kepic**
CO-OPERATIVE INVERSION OF ELECTRICAL RESISTIVITY TOMOGRAPHY AND SEISMIC: AN EXAMPLE WITH LANDSLIDES DATA
- **Magdalena Markovic, Milena Cukavac, Marin J. Bugar**
APPLICATION OF MAGNETIC METHOD IN ARCHAEOLOGY AT GROBLJISTE SITE NEAR THE MADJERE VILLAGE (MUNICIPALITY OF RAZANJ)
- **Dejan Vučković, Marin J. Bugar, Jelena Vukčević**
RESULTS OF THE GEOPHYSICAL EXPLORATIONS OF ARCHAEOLOGICAL SITES IN THE TRSTENIK AREA

13.15 – 14.00 – Lunch

14.00 – 16.00

Chairpersons: Alireza Malehmir, Koya Suto

- **Milena Cukavac**
GEOMAGNETIC FIELD SURVEYS IN SEISMICALLY ACTIVE AREAS IN SERBIA (SEISMOMAGNETIC SURVEYS)
- **Andrian A. Seleznev, Ilia V. Yarmoshenko**
METHOD FOR RECONSTRUCTION THE BACKGROUND CONCENTRATIONS FOR POTENTIALLY HARMFUL ELEMENTS (PHEs) IN AN URBAN ENVIRONMENT
- **Bojan Brodic, Emil Lundberg, Alireza Malehmir**
CHARACTERIZATION OF POTENTIAL SUBSURFACE MIGRATION PATHWAYS OF A CANCEROGENIC POLLUTANT USING REFLECTION AND REFRACTION SEISMIC METHODS IN AN URBAN SETTING IN SOUTHWEST SWEDEN

- **Kepic, A., Hooshyari-Far, I., and Carson, M.**
NEW RADIOMETRIC METHODS FOR AGRICULTURE AND SOIL CHARACTERISATION
- **Ziramov, S., Urosevic, M., Pevzner, R., Tertyshnikov, K., Kepic, A.**
ANALYSIS OF SUBTLE STRUCTURES USING DIFFERENT 3D SURVEY GEOMETRIES: HARVEY, WESTERN AUSTRALIA
- **Cvetan Sinadinovski**
OPTIMAL STATION DISTRIBUTION-SEISMIC NETWORKS

16.00 – 16.15 - Coffee-break

16.15 – 18.15

Chairpersons: Chris Juhlin, Andrian A. Seleznev

- **Kamran Heinrich Ahmad**
SEISMIC METHODS IN NEAR SURFACE MODELLING
- **Miroslav Brajanovski, Miodrag Mitrić and Tomaš Lokajiček**
X-RAY DIFFRACTION ANALYSIS OF SHALE COMPACTED UNDER ASYMMETRIC HORIZONTAL STRESS - COMPARISON OF ACOUSTIC AND CRYSTALLOGRAPHIC RESULTS
- **Kepic, A., Carson, M., Nguyen, H., Greenwood, A., Podolska, A., Dupuis, C.**
LOGGING-WHILE-DRILLING WITH DIAMOND RIGS
- **Admira Halilović, Ermina Halilović**
LAND DEVELOPMENT
- **Mirsad Lišić, Jelena Marković**
EFFECTS OF IMPLEMENTING TECHNICAL MEASURES ON ADMISSION OILSEED IN AIMING TO PREVENT OCCURRENCE OF ENDOGENOUS FIRE IN SILO

Poster presentations:

- **Miroslav Brajanovski, Tobias Müller, Boris Gurevich**
CHARACTERIZATION OF FRACTURED WET POROUS MATERIAL USING COMPRESSIONAL WAVE ATTENUATION
- **Vesna R. Antunović, Dijana R. Jelić, Mirjana R. Đermanović**
DETERMINATION OF ARSENIC CONTENT IN REAL SAMPLES WITH ATOMIC ABSORPTION SPECTROSCOPY METHOD



May 26, 2017, FRIDAY

Adriatic Lecture Room

9.00 – 11.00

Company presentations

- **Curtin University**
WHY CONSIDER EXPLORATION GEOPHYSICS AT CURTIN UNIVERSITY?
- **DECO Geophysical Software Co.**
RadExPro SEISMIC SOFTWARE – COMPLETE SOLUTION FOR NEAR-SURFACE SEISMIC DATA PROCESSING
- **DMT**
SUMMIT X ONE SYSTEM
- **Parallel Geoscience Corporation**
SEISMIC PROCESSING SOLUTIONS

11.00 – 11.15 – Coffee-break

11.15 – 13.00

GEOSCIENCES APPLIED TO SOLVE HUMANITARIAN PROBLEMS ALL OVER THE WORLD - Kick-off meeting GwB and Closing ceremony



Mediterranean Lecture Room

BIOMEDICINE AND GEOSCIENCES - INFLUENCE OF ENVIRONMENT ON HUMAN HEALTH

9.00 – 11.00

Chairpersons: Jasminka Smailagić, Esad F. Jakupović

- **Radmilo Lazarević, Dejan Gavrilović, Katarina Rajković, Marijana Gavrilović, Biljana Anđelić**
THE RADIOACTIVE HAZARDS IN THE FOOD CHAIN SOIL - WATER - PLANTS - ANIMALS - HUMAN BEINGS
- **Dejan Gavrilović, Marijana Gavrilović, Radmilo Lazarević, Dragana Milićević, Biljana Anđelić, Aleksandar Jevtić, Aleksandra Jevtić**
HEALTH RISKS OF BIOSYNTHESIZED ORGANIC TOXINS AND FROM THE ENVIRONMENT OBTAINED IN FOOD OF ANIMAL ORIGIN
- **Suzana V. Miljković**
BIOMEDICAL CHRONODYNAMICS AND DISEASE PREVENTION
- **Snežana Knežević**
CHEMICAL COMPOSITION OF THE HUMAN BODY AND CHEMISTRY OF LIFE
- **Gordana Leković**
EMOTIONAL VALUE (HOW MANY IS HUMAN BEING CAPABLE TO PRODUCE AND PRODUCES INFINITE LOVE GIVEN WHEN HE WAS BORN)
- **Lily Yankovski**
BENEFITS OF OUTDOOR EXERCISE AND EXPOSURE TO DIRECT SUNLIGHT

11.00 – 11.15 – Coffee-break

11.15 – 13.00

Chairpersons: Jasmina Madžgalj, Suzana V. Miljković

- **Muaz Kantić**
IT SYSTEMS IN BIOMEDICINE AND HEALTHCARE
- **Katarina Čamiloski, Magdalena Marković**
ASSESSMENT OF PLASTIC LITTER ON WILD LIFE
- **Mirnesa Rovčanin, Vladimir Uremović, Eldin Sejdić**
THE ROLE OF INTERMODAL TRANSPORT IN ENVIRONMENTAL PROTECTION
- **Irfan Hidić**
THE ENVIRONMENTAL IMPACTS OF BUILDING MATERIALS
- **Milica Vukić**
GEOTHERMAL ENERGY AND POTENTIAL OF GEOTHERMAL RESOURCES IN REPUBLIC OF SERBIA
- **Admira Halilović, Ermina Mešanović**
RADON AND THORIUM IN THE AIR, SOIL AND WATER - GEOLOGICAL BASIS
- **Katarina Čamiloski**
THE EFFECT OF AIR POLLUTION ON HUMAN HEALTH IN BOR AGLOMERATION
- **Krsto Mijanović**
HEALTH IMPACTS OF AIR POLLUTION CAUSED BY EMISSIONS FROM DOMESTIC CHIMNEYS

13.00 – 13.30 – Closing ceremony