

PROGRAMME
OF THE SYMPOSIUM
KARST 2018 - EXPECT THE UNEXPECTED
Trebinje 6-9 June 2018

| | | | |
|---------------|-------------|-------------------------------------------------------------|-------------------------------------------------------|
| 6 JUNE | 13:00-15:30 | Registration | <i>Ground floor - Trebinje Cultural Centre</i> |
| | 15:30-16:30 | Opening Ceremony | <i>First floor - Trebinje Cultural Centre</i> |
| | 16:30-17:50 | Invited Speakers Derek Ford and Richard R. Parizek | <i>First floor - Trebinje Cultural Centre</i> |
| | 17:50-18:45 | Cultural programme and Award Ceremony | <i>First floor - Trebinje Cultural Centre</i> |
| | 18:45-21:00 | Cocktail party | <i>Second floor (roof) - Trebinje Cultural Centre</i> |

| | | | |
|---------------|------------|---------------------|----------------------------------------------------------------------|
| 7 JUNE | 9:30-21:00 | Whole day excursion | <i>"The Upper Horizons" of Trebišnjica Hydro Energy Power System</i> |
| | | Dinner | <i>Mosko restaurant</i> |

| | | | |
|---------------|-------------|------------------------------|-------------------------------------------------|
| 8 JUNE | 9:00-10:30 | Key Note and selected papers | <i>Ground floor of HET - Big and Small Hall</i> |
| | 10:30-11:00 | Coffee Break | <i>Ground floor of HET</i> |
| | 11:00-12:30 | Selected papers | <i>Ground floor of HET - Big and Small Hall</i> |
| | 12:30-14:00 | Lunch Break | <i>Trebinje city</i> |
| | 14:00-16:00 | Key Note and selected papers | <i>Ground floor of HET - Big and Small Hall</i> |
| | 16:00-16:30 | Coffee Break | <i>Ground floor of HET</i> |
| | 16:30-17:30 | Selected papers | <i>Ground floor of HET - Big Hall</i> |
| | 16:00-18:00 | Poster session | <i>Ground floor of HET</i> |
| | 20:30-24:00 | Gala dinner | <i>Hotel Leotar</i> |

| | | | |
|---------------|-------------|-------------------------------------------------------------------|---------------------------------------|
| 9 JUNE | 10:00-10:45 | Closing ceremony | <i>Ground floor of HET - Big Hall</i> |
| | 11:00-13:00 | Round table: "Environmental Impact of HPP Dabar Constructions" | <i>Ground floor of HET - Big Hall</i> |

8 JUNE
DETAILED AGENDA

| | Big Hall of HET | Small Hall of HET |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00-9:30 | Key Note - Lu Yaoru THE GEO-ENVIRONMENTAL PROBLEMS IN KARST REGIONS OF CHINA | Key Note - Ralf Benischke KARST WATER RESOURCES OF AUSTRIA, HYDROGEOLOGICAL ASPECTS AND PROBLEMS |
| 9:30-9:45 | Mario Parise & Gioacchino Francesco Andriani OPEN QUESTIONS ON THE IMPLEMENTATION OF ENGINEERING GEOLOGY TECHNIQUES AND METHODS IN KARST | Nataša Ravbar, Metka Petrič, Blaž Kogovšek, Matej Blatnik, Cyril Mayaud HIGH WATERS STUDY OF A CLASSICAL KARST POLJE – AN EXAMPLE OF THE PLANINSKO POLJE, SW SLOVENIA |
| 9:45-10:00 | Staša Borović, Josip Terzić & Kosta Urumović INSTALLATION OF GROUND- AND WATER-SOURCE HEAT PUMPS IN KARST TERRAINS (CASE STUDIES FROM CROATIA) | Aleksey Benderev, Stefan Shanov, Konstantin Kostov, Pavlina Gyaurova, Svetoslav Marinov, Ivaylo Ivanov, Iren Ilieva & Valentin Valev KARST AND HYDRAULIC CONSTRUCTION IN BULGARIA |
| 10:00-10:15 | Nenad Jaćimović, Tina Dašić, Miloš Stanić, Nedeljko Sudar, Petar Milanović, Branislav Đorđević WATER BALANCE ANALYSIS OF THE KARST FIELD BY DISTRIBUTED HYDROLOGICAL MODELING | Romeo Eftimi KARST AND KARST WATER RESOURCES OF ALBANIA |
| 10:15-10:30 | Ognjen Bonacci ANALYSES OF VRANA LAKE (ISLAND OF CRES, CROATIA) MEAN ANNUAL WATER LEVEL | Milan M. Radulović FIRST PRESENTATION OF MODIFIED POINT DILUTION TEST FOR ASSESSMENT OF GROUNDWATER FLUX IN KARST AQUIFERS |
| 10:30-11:00 | Coffee Break | Coffee Break |

| | | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:00-11:15 | Francesco Fiorillo, Libera Esposito, Gianni Testa, Sabatino Ciarcia, Mauro Pagnozzi THE UPWELLING WATER FLOW FEEDING KARST SPRINGS | Jelena Čalić OPEN QUESTIONS IN KARST GEOMORPHOLOGY: DISCUSSIONS ON KARSTIC UVALAS |
| 11:15-11:30 | Thomas Dietler SOME ASPECTS OF KARST DEVELOPMENT IN CARBONATE SEDIMENTS OF THE SHAN-PLATEAU IN MYANMAR (BURMA) | Konstantin Kostov, Nikolay Dobrev, Nataliya Kostova THE SHOW CAVES IN NORTH BULGARIA: POSSIBILITIES FOR TECTONIC MONITORING |
| 11:30-11:45 | Mihael Brenčič, Mateja Jelovčan, Ines Vidmar 170 YEARS LONG CONTINUOUS RECORD OF PLANINSKO POLJE (CENTRAL SLOVENIA) FLOODING – PRELIMINARY ANALYSIS OF DATA SERIES | Igor Jemcov, Jovana Šišović, Ana Mladenović, Marina Ćuk TIME SERIES FOR IMPACT ANALYSIS OF GROUT CURTAIN ON HYDRAULIC BEHAVIOR IN KARST |
| 11:45-12:00 | Junbing Pu, Jianhong Li, Tao Zhang, George Veni & Daoxian Yuan VERTICAL DISTRIBUTION OF DISSOLVED INORGANIC CARBON IN A KARST GROUNDWATER-FED SURFACE WATER RESERVOIR IN GUANGXI, SOUTH CHINA | Marjan Temovski & László Palcsu GEOCHEMICAL CHARACTERISTICS OF SOME THERMAL KARST SPRINGS – INSIGHT INTO THE HYPOGENE KARST SYSTEMS IN MARIOVO, MACEDONIA |
| 12:00-12:15 | Andrey D. Kochev, Pavel L. Kopytin & Nikita A. Kochev KARST SUFFOSION PROCESSES IN MOSCOW CITY AND THE PROBLEM OF EVALUATING THEIR HAZARD | Metka Petrič, Marina Gacin, Nataša Ravbar & Petra Gostinčar GIS DATABASE OF TRACER TESTS CARRIED OUT IN THE SLOVENIAN KARST |
| 12:15-12:30 | Valerii Kataev & Irina Ermolovich GEOLOGICAL INDICATORS OF ACTIVE KARST IN THE REGIONS OF SULFATE-CARBONATE STRUCTURE (PERM REGION, RUSSIA) | Marinović Veljko & Zoran Stevanović THE SPECIFIC ROLE OF KARST AQUIFERS IN THE HYDROGEOLOGICAL SECTIONS OF RIVER BASIN MANAGEMENT PLANS |
| 12:30-14:00 | Lunch Break | Lunch Break |
| 14:00-14:30 | Key Note - Zoran Stevanović KARST WATERS IN POTABLE WATER SUPPLY – THE WORLD SCALE OVERVIEW | Key Note - Neno Kukurić DIKTAS: INTERNATIONAL GROUNDWATERS OF DINARIDES |

| | | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30-14:45 | Hilary Drew & Zoran Mateljak STREAMS OF INCOME AND JOBS: THE ECONOMIC SIGNIFICANCE OF THE NERETVA AND TREBIŠNJICA RIVER BASINS | Zlatko Ilijovski, Marija Makesoska & Pero Jokanovich HYDROGEOLOGICAL CHARACTERISTICS OF THE CARBONATE COMPLEXES IN REPUBLIC OF MACEDONIA |
| 14:45-15:00 | Željko Zubac, Boban Jolović & Vedran Furtula "MID HORIZONS" – POSSIBLE WAY OF WATER UTILIZATION FROM CERNIČKO POLJE AND GATAČKO POLJE IN HYDROENERGY PURPOSE | Elena Drobinina, Tatyana Kovaleva & Anna Koriakina INVESTIGATION OF THE LOCAL VARIATION OF PHYSICAL AND MECHANICAL PROPERTIES OF THE COVERING DEPOSITS IN ORDER TO HAZARD ASSESSMENT OF KARST (ON THE EXAMPLE OF SULFATE-CARBONATE KARST OF PERMSKY KRAY, RUSSIA) |
| 15:00-15:15 | Dragoslav Banjak INVESTIGATION OF HYDROCHEMICAL CHARACTERISTICS OF THE TREBIŠNJICA RIVER CATCHMENT USING MULTIVARIATE STATISTICAL ANALYSIS | Evgeny Erofeev & Valery Kataev ESTIMATIVE KARST INTERPRETATION OF SATELLITE IMAGES OF THE SOUTH – SOUTH-EASTERN DISTRICTS OF PERM REGION |
| 15:15-15:30 | Stefan Shanov & Stanka Šebela MICRO-TECTONIC MOVEMENTS IN POSTOJNA CAVE (SLOVENIA) AND EARTHQUAKE ACTIVITY | Tayebe Meshkat, Daryush Mahjoob Farshchi & Esmaeel Ebtekar EVALUATION OF EVAPORITE KARSTIC CHALLENGE IN GOTVAND DAM RESERVOIR |
| 15:30-15:45 | Nikolay Maksimovich & Olga Meshcheriakova THE EXPERIENCE OF THE DAM CONSTRUCTION ON GYPSUMBEARING ROCKS (IN THE TERRITORY OF THE FORMER USSR) | Arunangshu Mukherjee & Devinder K. Chadha EXPLORATION DRIVEN GROUNDWATER MANAGEMENT PLAN FOR KARST DOMINATED SMALL ISOLATED GEOLOGICAL BASIN OF CENTRAL INDIAN CRATON |
| 15:45-16:00 | Sergey Shcherbakov COVERED KARST LANDFORMS: COMPLEXIFICATION OF METHODS TO ESTIMATION OF MORPHOMETRIC PARAMETERS IN ENGINEERING PURPOSES | Ali Aalianvari & Tayebe Meshkat IMPACT OF KARST FEATURES ON WATER INFLOW INTO TUNNEL CASE STUDY: ZAGROS TUNNEL-IRAN |
| 16:00-16:30 | Coffee Break | Coffee Break |
| 16:30-16:45 | Mauro Pagnozzi Libera Esposito & Francesco Fiorillo COMPARISON BETWEEN SOME KARST SYSTEMS IN SOUTHERN ITALY TYPIFIED BY DIFFERENT HYDROLOGICAL BEHAVIOR | |

| | | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16:45-17:00 | Momčilo Blagojević, Zoran Stevanović & Milan Radulović TRANSBOUNDARY GROUNDWATER RESOURCE MANAGEMENT – MONITORING OF CIJEVNA RIVER BASIN (MONTENEGRO – ALBANIA) | |
| 17:00-17:15 | Petrović Branislav INTRINSIC GROUNDWATER VULNERABILITY ASSESSMENT OF SUVA PLANINA MT. (SE SERBIA) | |
| 16:00-18:00 | <i>Poster sesion</i> <i>Ground floor of HET</i> | |
| 16:00-18:00 | Marijana Petrović, Nela Petronijević, Nenad Nikolić, Slobodan Knezević, Miodrag Kezović, Miroslav Sokić & Branislav Marković HYDROGEOLOGICAL POTENTIAL OF MIOCENE LIMESTONES OF SOUTHERN PART OF THE KOLUBARA COAL BASIN | Iancu Orășeanu HEAD AND TEMPERATURE CHANGES INDUCED BY EARTH-TIDE IN FELIX - 1 MAI -ORADEA THERMAL AQUIFER (BIHOR, ROMANIA) |
| 16:00-18:00 | Zoran Nikić, Ratko Ristić, Nenad Marić & Vukašin Milčanović THE ROLE OF KARST IN REDISTRIBUTION OF WATER RESOURCES: VODENIČKA RIVER BASIN, STARA PLANINA – SERBIA | Vaso Mrvaljević & Milan Vlahović USING EPIK METHODS IN THE ASSESSMENT OF GROUNDWATER VULNERABILITY OF CATCHMENT OF THE NIKŠIČKO POLJE |
| 16:00-18:00 | Veljko Marinović & Branislav Petrović PRELIMINARY CHARACTERIZATION OF SELJAŠNICA KARST AQUIFER (SW SERBIA) BASED ON RECESSION CURVE ANALYSIS | Petar Dokmanović & Veljko Marinović HYDROGEOLOGICAL FEATURES OF THE VALJEVO KARST AREA (WESTERN SERBIA) |
| 16:00-18:00 | Milorad Kličković KARST HYDROGEOLOGICAL SYSTEM KALIPOLJE – BUKOVIK (JAVOR MOUNTAIN, SOUTHWESTERN SERBIA) | Peter Gerginov, Evelina Damyanova, Tatiana Orehova & Kamelia Kroumova SPECIFIC FEATURES OF THE KARST SPRING PALILULA IN NORTHWEST BULGARIA |
| 16:00-18:00 | Milan Vlahović, Petar Milanović & Vaso Mrvaljević ALTERNATIVE SOLUTIONS FOR THE CLOSING OF PONORS IN SLANO RESERVOIR IN THE NIKŠIČ POLJE | Petar Dokmanović, Zoran Stevanović & Saša Milanović HYDROGEOLOGICAL RISK FACTORS OF DAM AND RESERVOIR CONSTRUCTION IN KARST TERRAINS – “THREE DAMS IN THREE GORGES” IN SERBIA |

| | | |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p style="text-align: center;">Silvana Magni</p> <hr/> <p style="text-align: center;">DISSOLUTION PROCESS: WHEN DOES THE PROCESS START?</p> | <p style="text-align: center;">Eugenia Tarassova, Zhivka Janakieva & Mihail Tarassov</p> <hr/> <p style="text-align: center;">SPELEOTHEMS STORED IN THE "EARTH AND MAN" NATIONAL MUSEUM, SOFIA, BULGARIA</p> |
| <p style="text-align: center;">20:30- 24:00</p> | <p style="text-align: center;"><u>Gala dinner</u> <u>Hotel Leotar</u></p> | |