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MACEDONIAN ASSOCIATION FOR GEOTECHNICS



ISRM



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**5TH SYMPOSIUM OF MAG / ISRM SPECIALIZED CONF. /
2ND CONF. OF REGIONAL GEOTECHNICAL SOCIETIES
AGENDA**

WEDNESDAY 22ND JUNE 2022

18:00 – 20:00 Registration

THURSDAY 23RD JUNE 2022

08:00 – 10:00 Registration

10:00 – 10:45 Opening ceremony

Ljubojna – traditional Macedonian music

Reşat Ulusay, President of the International Society for Rock Mechanics and Rock Engineering (ISRM)

Marc Ballouz, President of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)

Nikola Jankulovski, Rector of the Ss. Cyril and Methodius University - Skopje

Zlatko Srbinoski, Dean of Faculty of Civil Eng. - Skopje

Vlatko Šešov, Director of the Institute of Earthquake Engineering and Engineering Seismology - Skopje

Sašo Donev, Representative of Ohrid City Mayor

Jovan Br. Papić, President of the MAG

10:45 – 11:00 Introductory Lecture: *prof. Milorad Jovanovski*
Tradition of rock mechanics in Macedonia

11:00 – 11:40 Keynote Lecture: *prof. Reşat Ulusay*
Standardization for rock characterization and testing, implementation issues in practice and future trends: Highlighting the ISRM Suggested Methods

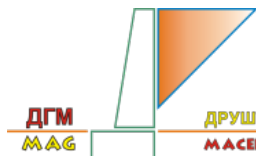
11:40 – 12:30 Group photo and welcome reception by **Tensor**[®]

12:30 – 13:10 Keynote Lecture: *dr. Nick Barton*
Soft rocks that are jointed give extra challenges (Application of the Q-system to tunnels and caverns in weak or faulted rock)

13:10 – 13:40 Oral presentations

13:40 – 15:00 Lunch break

15:00 – 15:20 Invited Lecture: *prof. Vojkan Jovičić*
Impact of water inflow and design solutions for construction of Karavanke tunnel



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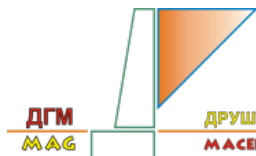
- 15:20 – 16:30 Oral presentations
16:30 – 17:00 Coffee Break / Exhibition
17:00 – 17:20 Invited Lecture: *emer. prof. Radomir Folić*
Vertical interaction of grouped 3x3 piles
17:20 – 17:40 Invited Lecture: *prof. Askar Zhussupbekov*
Geotechnical construction and testing of piles of mega-
structures on problematical soil ground of Kazakhstan
17:40 – 18:30 Oral presentations
19:45 – 00:00 Boat trip

FRIDAY 24TH JUNE 2022

- 09:00 – 09:20 Invited Lecture: *emer. prof. Ivan Vrkljan*
Some problems of swelling in geotechnical practice -
influence of saturation on the behavior of argillaceous
swelling rock
09:20 – 10:45 Oral presentations
10:45 – 11:30 Coffee Break / Exhibition
11:30 – 13:30 Oral presentations
13:30 – 15:00 Lunch break
15:00 – 15:30 Invited Lecture: *prof. Anna Maria Ferrero*
Design of rock fall and debris flow flexible barriers in the
framework of EC7 principles
15:30 – 16:45 Oral presentations
16:45 – 18:00 Poster session
19:45 – 01:00 Ceremony, Dinner & party
(Awarding plaques of MAG; Macedonian folklore dance;
Breakdown Band feat. Pece Superhiks)

SATURDAY 25TH JUNE 2022

- 09:30 – 11:15 Oral presentations
11:15 – 11:45 Coffee Break / Exhibition
11:45 – 12:30 Keynote Lecture: *dr. Mark Ballouz*
Geotechnical marriage of theory to practice
12:30 – 13:15 Closing Ceremony
Closing remarks
Pantomime act



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ORAL PRESENTATIONS

Thursday 23th June, Time: 13:10 – 13:40

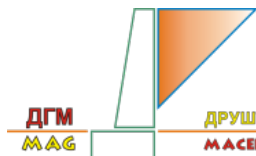
AUTHORS	PAPER TITLE
DEÁK Ferenc, TÖRÖK Ákos, VÁSÁRHELYI Balázs	Tunnel design across the Zagros Main Fault – Iraq-Kurdistan Penjween Region
GABOR Somodi, BAR Neil, VÁSÁRHELYI Balázs	Correlation between the Rock Mass Quality (Q-system) method and Geological Strength Index (GSI)

Thursday 23th June, Time: 15:20 – 16:30

AUTHORS	PAPER TITLE
MITOVSKI Stevcho, PETKOVSKI Ljupcho, PANOVSKA Frosina	Calibration Analysis Of Seepage Flow At Arch Dam Foundation – A Case Study
ČAĐENOVIĆ Nikola, MARETIĆ Ivan	Čvrstoća smicanja flišnih sedimenata duž klizišta Uvač 4
JOVANOVSKA Tamara et al.	One approach for design and construction of slopes in andesitic rocks prone to deterioration
PETKOVSKI Orce et al.	Geological-geotechnical conditions for construction of cut at locality Pilav Tepe
SZABÓ Zsófia, ZENAH Jalal, GÖRÖG Péter	Effect of surface load on the stability of shallow cavities in Budapest, Hungary

Thursday 23th June, Time: 17:40 – 18:30

AUTHORS	PAPER TITLE
СТРАШЕСКИ Атанас и др.	Некои аспекти од фундарањето на мостот “Михајло Апостолски” преку реката Вардар во Скопје
ĆOSIĆ Mladen, ŠUŠIĆ Nenad	Comparative Analysis of Bearing Capacity of Piles Tested by Dynamic Load Test (DLT) and Pressuremeter Test (PMT)
SKEJIĆ Adis i dr.	Eksperimentalna i numerička analiza nosivosti bušenih šipova u stijeni uzimajući u obzir hrapavost plašta



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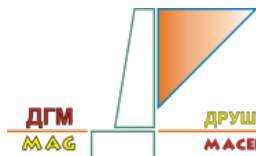


Friday 24th June, Time: 09:20 – 10:45

AUTHORS	PAPER TITLE
KHODABANDEH Mohammed Ali, NAGY Gábor	Collapse potential of loess soils contaminated by synthetic and landfill leachates
BOŽOVIĆ Nikola et al.	Measurement and modeling of thermal conductivity of loess at the location of the Airport "Nikola Tesla" in Surčin
MARINKOVIĆ Nemanja et al.	Comparative analysis of results of liquid limit of clays from the Niš area determined by various methods
MARJANOVIĆ Miloš et al.	Shear strength properties of Bor clastites
SAS Wojciech	Compression Characteristics of Industrial Solid Waste
KULJANSKI Leo	Case study and design considerations for the application of a binding marginal granular fill in a geogrid reinforced retaining structure

Friday 24th June, Time: 11:30 – 13:30

AUTHORS	PAPER TITLE
BOJADJEVA Julijana et al.	Field and laboratory measurements of small strain dynamic shear modulus G _{max}
CONTRERAS Juan J. Briones	Field's workflow of applied geophysics in civil engineering, a showcase
STRELEC Stjepan i dr.	Istražni geofizički radovi za potrebe temeljenja stupova vjetrogeneratora, primjer v.e. Bruvno
VUKIĆEVIĆ Mirjana, JOCKOVIĆ Sanja	Importance of numerical algorithm for stress integration in the application of elastoplastic soil models for geotechnical problems
СУСИНОВ Бојан, ЈОСИФОВСКИ Јосиф	Нумеричко моделирање на стабилност на косини при интензивни врнежи
NIKOLOVSKI Done, BOJADZIEV Jordan, EDIP Kemal	Assessment of rainfall-induced landslide reactivation through hypo-plastic material model
BESHARATINEZHAD Ali et al.	Analytical and numerical investigation of the critical height of vertical slope
GRUJIĆ Bojana et al.	Monitoring Subsidence in Tuzla (BiH) by DInSAR and GNSS during 2004-2019
МАЛИЈАНСКА Наташа и др.	Идентификување на свлечишта во Полошкиот регион преку анализа на просторни модели со висока резолуција



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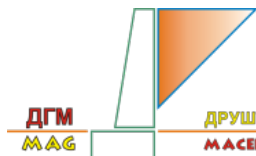


Friday 24th June, Time: 15:30 – 16:45

AUTHORS	PAPER TITLE
ЈОСИФОВСКИ Јосиф	Втора генерација на Еврокод 7 - главни предизвици и клучни промени
JANEVSKI Bojan, SMILJANOVSKA Mila, BOZHINOVSKI Lazar	Landslide rehabilitation with retaining structure, JUS vs. Eurocodes
ДИМИТРИЕВСКИ Теодор и др.	Неколку случаи на измени во тек на градба на геотехнички конструкции
BUDIMIR Vjekoslav, RODUNER Armin	Structural reinforcement of geo-mat by high-tensile steel wire meshes
BONCI Gheorghe, KLAPPSTEIN Brian	Real time geotechnical monitoring systems for an open pit coal mine. Thresholds for the alarm systems and the increase of safety of operations
PETROVIĆ Igor et al.	Determination of the apparent specific gravity of a biodried municipal solid waste by “gas pycnometry”

Saturday 25th June, Time: 09:30 – 11:15

AUTHORS	PAPER TITLE
BRANDIS Adriana et al.	Experimental research of soil-steel frame system on shaking table
MILADINOVIĆ Borko i dr.	Pojednostavljeni postupak analize nosivosti vertikalnih AB šipova pod dejstvom hor. seizmičkih sila u uslovima pojave likvefakcije u tlu
ИВАНОВСКИ Дејан и др.	Ефект на сеизмичко дејство во стабилноста на потпорни ѕидови и компарација меѓу македонска регулатива и Еврокодрави
KRSTIĆ PERIĆ Sanja., SMESNIK Mathias, FREUIS Anna	Design considerations and earthquake analysis for embankment dams in high seismic regions
ŠEŠOV Vlatko et al.	Harmonized earthquake-induced landslide hazard assessment in cross-border region – CRISIS project
ЖИВАНОВИЋ Никола и др.	Могућност примене приручних апарата за одређивања отпорности земљишта на ерозионе процесе шумских екосистема
LÓGÓ A. Benedek., VÁSÁRHELYI Balázs	Charpy impact test to sedimentary rocks



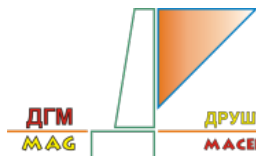
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POSTER PRESENTATIONS

Friday 24th June, Time: 16:45 – 18:00

AUTHORS	PAPER TITLE
ЇORLUKA Stevan i dr.	Geotehnički uslovi izgradnje višenamenskog ventilacionog okna br.3 “Trebevička” (km 5+522,505) za I liniju beogradskog metroa
MINAŹEK Krunoslav, MULABDIĆ Mensur, MATIJEVIĆ Jelena	Remediation of a building settlement caused by wetting of a foundation loess soil
HEDEJIKOVСКА Наташа и др.	Вид и обем на геотехнички истражувања: примарни фактори за соодветни геот. подлоги
NIKOLOV Emil et al.	An approach for rock slope protection on an area near the city of Veles
ПЕТКОВСКИ Орце и др.	Дефинирање на геолошко-геотехнички услови на теренот при истражување и изведба на усеци кај експресни патништа
RELOTA Marija, DUHOVIĆ Ana, VLASTELICA Goran	Analiza globalne stabilnosti zasjeka unutar napuštenog gradilišta: primjer sa lokacije u Bračkoj ulici u Splitu
ZAFIROVSKI Zlatko et al.	Application of failure mode and effect analysis for tunnel risk assessment
ZHUSSUPBEKOV Askar, MKILIMA TIMOTH	Stability analysis of an old earth Samarkand dam in Kazakhstan under rapid drawdown cond.
АБАЗИ Сеад, СУСИНОВ Бојан, ЃОРЃЕВСКИ Спасен	Теренска и нумеричко анализа за определување носивост на кол во графитични шкрилци
ALEKSOVSKI Goran	Gravimetric reference system, measurement of absolute and relative gravity in the R.N.Maced.
DAVARPANAĦ Seyed Morteza et al.	Applicability of the recently proposed semi-empirical failure criterion for different rock types by using triaxial test data
DUVNJAK Stipe, DUHOVIĆ Ana, VLASTELICA Goran	Laboratorijska ispitivanja fizičko-mehaničkih svojstava lapora za potrebe proračuna slijeganja jednostavnog homogenog nasipa
GJORGJESKA Irena et al.	Combined seismic methods and GPR application for shallow subsurface investigation
JUG Jasmin et al.	Landslide investigation without the application of exploratory drilling
KALUĐER Jelena et al.	Some physical properties of soil used in traditional Croatian rammed earth houses
MAJSTOROVIĆ Jelena i dr.	Mogućnost korelacije zatezne čvrstoće i dinamičkih svojstava belog venčačkog mermera



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MITROVIĆ Stefan et al.	Uniaxial compressive strength test before and after standard fire test on rock mass
НЕДЕЛКОВСКА Бојана и др.	Корелативни анализи на геотехнички параметри кај наоѓалишта на јаглен од различни седиментациони басени во Македонија
TOTSEV Andrey	Determining the shear parameters of weathered rock in a landslide area near the city of Sofia
ABAZI Sead, SULOODJA Bulent	Weather Conditions and Application of Additives in Complex Geotechnical Objects
SULOODJA Bulent	Геотехниката како важна predispozicija за здрава урбанизација
BONIĆ Zoran et al.	Proposal for remediation of the landslide "Duboka dolina" in Bunuševac (Vranje)
ĆORIĆ Slobodan i dr.	Metodologija proračuna sanacije klizišta šipovima
ДИМИТРОВСКА Симона и др.	Пристап за проценка и картирање на потенцијалот за развој на течишта, студија на случај за Полошки плански регион
ЈАКИМОВСКИ Горан, МИРЧЕВСКА Виолета, НАСТЕВ Мирослав	Приод кон дефинирање на сопствени периоди и форми на флексибилно спрегнат систем
KRSTIĆ Marija et al.	Stabilization of loess with fly ash
СТРАШЕСКИ Атанас и др.	Заштита од одрони на регионалниот пат Р1202, Косоврасти
СУСИНОВ Бојан, ЈОСИФОВСКИ Јосиф	Нестабилност на косини предизвикана од атмосферски влијанија
АНДОНОВ САРЕВ Александар, ПАПИК Јован Бр.	„Перестројка“ на ЕС и верификација на стабилност на косини според Еврокод 7:202x
ТОМЕСКИ Антонио и др.	Димензионирање на темел sameц според ЕС7
EDIP Kemal et al.	Numerical simulation of wave propagation in multiphase soil medium
ANGELOVA Elena, SHESHOV Vlatko	Utilization of fly ash from power plants in geotechnics and civil engineering
НИКОЛОВСКА АТАНАСОВСКА Александра, ЈОСИФОВСКИ Јосиф	Биополимерна стабилизација на косини од површинска ерозија
JANKOVIĆ PANTIĆ Jovana i dr.	Uticaј starosti i sastava komun. otpada na zbijaње
STOJANOV Riste, PESHEVSKI Igor	Web data mining of landslide information, an experimental study for Macedonia
ПЕТКОВСКИ Орце и др.	Карактеристични појави и форми како резултат на суфозија во чакалесто-песокливи сред.
PISAREVIĆ Miodrag, SLAVKOVIĆ Dragana, FILIPOVIĆ Vladimir	Stabilizacija useka na autoputu E-763 u stenskoј masi sa nepovoljno orijentisanim diskont.

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