



IAEG NEWSLETTER

Issue No.1, 2022 Website: www.iaeg.info Electronic Version

Cover Story



In the background of the photo "Payunia" is observed. It is one of the areas with the highest density of volcanoes on the planet (800 retro-arc volcanic cones) located in south of the province of Mendoza (Argentina) in South America. In front of the image, an alteration zone is shown, which is delimited in the field by discontinuous outcrops of zeolitized vitreous breccias, where vitreous particles are abundant. The geochemical composition of the rocks corresponds to subalkaline, calc-alkaline magmas rich in K, emplaced in a tectonic environment of active volcanic arc. These zones were subsequently altered and constitute the main source of a zeolite-rich deposit. The alteration process initiated by partial alteration of the glass (in perlitic cracks and inside pumiceous cavities) into fine-grained dioctahedral smectites (beidellite-montmorillonite series). After that, a strong alteration process transformed a great percentage of the glass into mordenite. Later, Ca-clinoptilolite crystallized, mainly in the cavities.

Provided by Silvina Marfil

Former IAEG Vice-President (South America)

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Edited by the IAEG Secretariat, Shaoxing, China

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Call for Nominations of the Hans Cloos Medal, Marcel Arnould Medal, Richard Wolters Prize, and Honorary Membership 2022

We are calling for the nominations of Hans Cloos Medal, Marcel Arnould Medal, Richard Wolters Prize and Honorary Membership for 2022, which are awarded to our distinguished members.

National/Regional groups who want to propose nominations for the awards, please submit the application documents before the deadline requested in the notifications. Please refer to https://www.dropbox.com/scl/fo/9bmulgph0w4e7l4678p8z/h?dl=0&rlkey=fzp0l6ul57oy8xhorj 80css04 for more information.

Call for Nominations for Officers of IAEG Executive Committee for 2023-2026

We are calling for nominations for officers of IAEG Executive Committee for 2023-2026 including the president, vice presidents for geographic regions, secretary general and treasurer.

National/Regional groups who want to nominate candidates, please submit the requested materials to the Secretariat before June 15th, 2022, including a formal recommendation letter signed by the recommender, a CV of the candidate and a statement of the candidate for his/her plan of performance. For more detailed information please refer to the IAEG Bylaws Part A 4.0.

Bylaws: https://www.dropbox.com/s/zxfk11y5yywblo6/Bylaws.pdf?dl=0

Revision of Bylaw and Statutes for IAEG Finished After Two Zoom Meetings

We IAEG Executive Committee has set up a working group to revise the bylaw and statutes for IAEG. The working group has finished the revision after two Zoom meetings. The revised documents will come out soon, and will be presented to the Executive Committee for consideration.

Faquan WU attended the 4th Governing Coucil Meeting of IUGS DDE Program on March 14, 2022

IUGS DDE Program held its 4th Governing Council Meeting virtually on March 14, 2022. Aound 30 members attended the meeting online, and Faquan Wu attended on behalf of IAEG. The meeting was chaired by Jennifer McKinley, the chair of DDE.

Face-to-face meetings cannot be held due to the epidemic situation, however, DDE's work is progressing steadily. They discussed the nomination and election of a new chair for Governing Council, the progress on the organization of the DDE Forum, and DDE Cyberinfrastructure progress updates.



02 EXTENSION ANNOUCEMENT OF STA-IAEG

IAEG Secretariat is now calling for nominations of Science and Technology Awards of IAEG (STA-IAEG), which are awarded biennially. The President of IAEG has shown his strong support on this award and given a President's address for the STA-IAEG. The award ceremony will be notified and held in an appropriate way later.

The nominations should be submitted to the Secretary General by the deadline requested in the notification. For more information and guidelines for the STA-IAEG nomination, please refer to the Ordinance of S-T Awards of IAEG. If you have any questions about the STA-IAEG Nomination, just feel free to contact iaeqsg@163.com.

ENGINEERING
GEOLOGY
AND THE ENVIRONMENT
AIGI FOLOGIE
DE
L'INGÉNIEUR
ET DE L'ENVIRONNEMENT

President: Past President: Secretary General: Treasurer: Vice Presidents Africa: Asia:

Australasia: Europe:

North America: South America: Prof.Rafig Azzam Prof. Scott Burns Prof. Wu Faquan Dr. Jean-Alain Fleurisson

Prof. Tamunoene Kingdom Abam
Prof. Huiming Tang
Prof. Bo-An Jang
Mr. Doug Johnson
Dr. Vassilis Marinos
Prof. Eugene A. VOZNESENSKY
Prof. Jean Hutchinson
Mr. Norberto Jorge Bejerman

EXTENSION ANNOUNCEMENT FOR NOMINATION OF THE FIRST SCIENCE AND TECHNOLOGY AWARDS OF IAEG

Dear IAEG members, National Groups and Commissions,

Due to the postponement of the 14th IAEG Congress effected by COVID-19 pandemic, in this case the deadline of the First Science and Technology Awards of IAEG (STA-IAEG) is extended.

The nominated applications should be sent to the Secretary General before June 1st, 2022.

The winner(s), selected by the selection committee, will be announced before August 1st, 2022.

The awards ceremony will be notified and held in a appropriate way later.

For more information please refer to the Ordinance of Science and Technology Awards of IAEG.

Best regards,

Faguern Wer

Professor Faquan Wu Secretary General, IAEG Shaoxing University

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Link of the Ordinance of S-T Awards of IAEG:

 $\frac{https://www.dropbox.com/s/t8d7nf92cvct3I5/Ordinance\%20of\%20S-T\%20Awards\%20of\%20}{IAEG.pdf?dl=0}$

Application form:

 $\frac{https://www.dropbox.com/scl/fi/x2k3yferm63ntlw9gsmhw/Application-Form-of-STA-IAEG.doc?dl=0\&rlkey=zikr8ui4r9hez1ozcx39ilvl1$

Brief Introduction on STA

As one of the leading academic societies, IAEG is containing huge superiority in excellent membership in many NGs and RGs around the world, persistent high quality academic activities, influential website and high index official journal and so on.

In Statutes, IAEG is aiming in promoting and encouraging the advancement of Engineering Geology through technological activities and research. Therefore, Science and Technology Awards of IAEG (STA-IAEG) was initiated in IAEG Council meeting on September 23, 2013, Beijing, China, and approved in IAEG Council meeting on September 14, 2014, Torino, Italy.

STA-IAEG is awarded biannually, includes two separate prizes: the Academic Achievement Award (AAA) and the Technology Progress Award (TPA). The AAA is awarding outstanding new developments in understanding and the TPA is awarding innovative new methods, new technologies, new processes, new software, new materials or new equipment in the field of engineering geology and the environment.

IRP-IAEG is intended to comprise several international research projects focusing on the theme, suggested and selected by IAEG Executive Committee in the purpose on the promotion of the development of the discipline of Engineering Geology. The maximum duration of each research project is 4 years.

On August 3 2021, IAEG President Prof. Rafig Azzam made the president's address on the First Science and Technology Awards of IAEG (STA-IAEG), awarding the outstanding achievements of engineering geological activities on a world wide basis. A call for STA-IAEG has been issued, the award result will be announced at an appropriate time.



By March 31, 2022, the number of IAEG memberships is 1924 from 69 national/regional groups, 715 with Bulletin, 1210 without Bulletin. The Bulletin will be delivered to the members through the email address provided by the national groups.

VP	No.	NG	total	With B.	Without B.	Associate members
Doug	1	Australia	361	156	205	0
Johnson	2	New Zealand				
	3	Albania				
	4	Austria	20	10	10	0
	5	Bulgaria	10	7	3	0
	6	Croatia	24	6	18	
	7	Cyprus				
	8	France	111	31	71	9
	9	Georgia	14	1	13	0
 Vassilis	10	Greece				
Marinos	11	Hungary				
IVIAITIO3	12	Italy				
	13	Portugal				
	14	Romania				
	15	Serbia				
	16	Slovenia				
	17	Spain	33	33	0	0
	18	Switzerland	59	59	0	0
	19	Turkey				
	20	Belorussia	6	3	3	0
	21	Netherlands	28	28	0	0
	22	Lithuania				
	23	The United Kingdom				
	24	Belgium				
	25	Czech Republic				
	26	Denmark				
	27	Estonia				
Eugene A.	28	Finland				
Voznesensky	29	Germany	467	49	428	0
	30	Iceland				
	31	Ireland				
	32	Norway				
	33	Poland				
	34	Russia	85	30	55	0
	35	Slovak Republic				
	36	Sweden	47	47	0	0
	37	Kyrgyzstan				
	38	Uzbekistan				
Tamunoene	39	Algeria				
Kingdom Simeon	40	Nigeria	76	63	13	0
Abam	41	South Africa				
D. Jean	42	Canada				
Hutchinson	43	USA	221	0	221	0

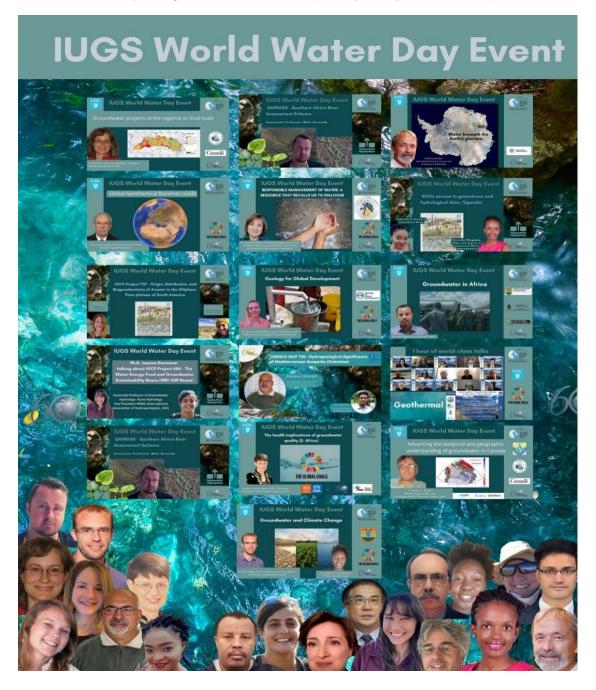
	44	Argentina				
Norberto	45	Bolivia				
	46	Brazil				
	47	Chile	38	12	26	0
Jorge	48	Colombia				
Bejerman	49	Costa Rica	18	11	7	0
	50	Mexico	5	4	1	0
	51	Paraguay	28	0	28	0
	52	Peru				
	53	Bangladesh				
	54	China				
	55	Chinese Taipei	60	51	9	0
	56	HongKong SAS	8	5	3	0
	57	India				
	58	Indonesia				
	59	Iran	53	0	53	0
	60	Iraq				
Bo-An Jang	61	Japan				
Huiming Tang	62	Korea				
	63	Malaysia				
	64	Mongolia	10	3	7	0
	65	Myanmar				
	66	Nepal (NGS)				
	00	Nepal (NSEG)				
	67	Singapore	110	100	10	0
	68	SEAGS				
	69	Vietnam	32	6	26	0
	Indi	vidual Member				
	Asso	ociate Member				
Total		1924	715	1210	9	

04 NEWS OF SISTER SOCIETIES

IUGS World Water Day Event on March 22, 2022

On 22nd March, IUGS celebrated World Water Day. The event was held online with more than 20 groundwater researchers and practitioners taking part. Topics of the talks spanned themes as varied as; glacial imprints on groundwater, the geoethics of groundwater management, the latest big data groundwater quality datasets, challenges to groundwater supply in sub-Saharan Africa and the health implications of groundwater pollution.

In preparation for the day, the young IUGS Earth Stewards https://iugs60.org/earth-stewards/ interviewed groundwater experts from around the world. To catch up on these informative interviews and talks, please go to the IUGS website https://iugs60.org/world-water-day/.



Prof. Seokwon Jeon elected as ISRM President for 2023-2027

At the Council meeting held online on 17 November 2021, Prof. Seokwon Jeon from the Republic of Korea was elected ISRM President for 2023-2027. The President-elect will now join the Board and will assume the Presidency of the Society after the 15th International Congress on Rock Mechanics, in October 2023.

After obtaining his Ph.D. degree in mining and geological engineering at University of Arizona, Professor Jeon started teaching at Seoul National University in 1997. Since then, he served in various leading roles in Korean rock mechanics, geotechnical and tunneling engineering community. He is a member of the National Academy of Engineering of Korea and Past-President of the Korean Society for Rock Mechanics. He was involved in organizing numerous international meetings including the first and seventh Asian Rock Mechanics Symposia - ARMS and the fifth ISRM Young Scholars' Symposium on Rock Mechanics - YSRM. He has been actively participating in ISRM activities serving as ISRM Vice President for Asia in 2015-2019, with strong initiatives for education and cooperation with industry.



EVENTS OF NATIONAL GROUPS

BANGLADESH

IAEG_BNG in association with JU ANSO China researchers organized a national event on the 15th Jan 2022 which was held at Brac Centre Inn at Mohakhali, Dhaka. Several activities were organized. The whole day program was attended by Invited Speakers, ANSO-JU researchers, IAEG_BNG members, students and participants from different National organizations, The event highlighted the Geoscience related ground problems and Risk Associated with the Rohingya refugee camps of Ukhia_Teknaf Hills, Bangladesh. The hidden geo-hazards in the Rohingya camp area are also discussed from a research work funded by ANSO China. Many issues of engineering geology and solutions for attaining sustainability in the Rohingya camp areas are also discussed. The inaugural session had started with the speech of Professor Dr. M. Qumrul Hassan, Professor of Department of Geology, University of Dhaka. Technical papers were then presented by Dr. A. K. M. Khorshed Alam (Ex. Director General, GSB), Prof./Dr.Khairul Bashar (Hydrogeologist) & Mr. A. T. M. Asaduzzaman (Consulting Engineering geologist), Prof./Dr. Hossain Md.Sayem, Dr. Hasan imam, Prof./Md. Emdadul Haque & Mrs. Mahmuda Khatun.

A welcome speech was also presented by IAEG_Bangladesh National Group President--Prof./Dr. A.T.M. Shakhawat Hossain. More than 75 participants, including geoscientists from different National organizations, IAEG_BNG members, academics, engineers, and young student members attended this event. Invited speakers presented their technical papers and highlighted the smart water, sustainable water resource management, coastal hazards of Bangladesh & importance of engineering geology in urban planning & infrastructure development to meet the new challenges of the 21st century. Climate change impacts, challenges, and issues of sustainable water resource management of Bangladesh, 3D geological modeling and its importance for sustainable urban development, challenges, and issues in managing liquefaction & landslide hazards in the Rohingya refugee camps of Bangladesh and importance of developing an early warning system are also discussed. All the participants acknowledged the importance of geological engineering for managing hazards & disasters, infrastructure development, water resource management & for societal and sustainable development of Bangladesh.







Photo Images of IAEG_BNG & ANSO Event, January 15, 2022

The meeting was ended with the vote of thanks by Acting Departmental Chair Prof. Dr.Hossain Md.Sayem. Technical session was conducted by Prof.Dr.Khairul Bashar (Chair) & Mr.Md.Feruj Alam (Co-Chair).

BELGIUM

RockEnGeo.be (Belgian national group member of the IAEG) is pleased to announce that it will celebrate the 50th anniversary of its foundation on September 9, 2022 in Brussels.

The ceremony will be held as part of a study day in one of the balls of the Atomium, the famous landmark of Brussels, in the presence of Mr. M. Rafig Azzam President of the IAEG and Mr. Wulf Schubert, past vice president of the ISRM.

For more details, please refer to the association's website: https://rockengeo.be/.

CHINA

The 11th Working Meeting of Engineering Geology Committee ⊠Geological Society of China (GSC), March 13, 2022

The 11th working Meeting of Engineering Geology Committee Geological Society of China (GSC) was held on March 13, 2022 online. President of IAEG China National Group Faquan WU, Director of Engineering Geology Committee Geological Society of China (GSC) Huiming Tang, Secretary of China National Group Shengwen Qi and other 30 attendants attended the meeting. A few decisions were made on the meeting:

- Regarding the XIV IAEG Congress, they decided to strengthen the international publicity of the
 conference and continue to strive for more scholars to submit full paper the conference; Integrate
 Sichuan elements into the emblem of the conference, such as panda elements, and continue to
 communicate regularly with the IAEG Secretariat and the GSC to jointly promote various work.
- Tongji University will become the organizer of the 6th Gu Dezhen Lecture in 2022.
- Nanjing University will become the organizer of National Engineering Geology Conference 2022.

Obituary



We are very sad to announce that the Former Chairman of the Committee of IAEG China National group, Prof. Zhang. Zhuoyuan, passed away on 18th March 2022.

Prof. Zhang. Zhuoyuan, graduated from the Department of Geology of Tsinghua University in 1951. In 1954, he was assigned to the Beijing Institute of Geology as a teaching assistant. After 1957, he was transferred to teach at the Chengdu Institute of Geology. He was the former dean of Chengdu Institute of Geology (now the Chengdu University of Technology),

member of the evaluation group of the Academic Degrees Committee of the State Council, the chairman of the Engineering Geology Professional Committee of the Geological Society of China, and the chairman of Sichuan Mineralogy, Petrology and Geochemistry Society.

Pro. Zhang Zhuoyuan is a famous engineering geologist and educator. He is a well-known expert in slope stability, geohazards and hydropower engineering geology, an academic leader of the national key discipline of engineering geology, one of the pioneers of modern geological research in Tibet, and one of the earliest discoverers of the Jiama copper-polymetallic deposit. He had engaged in scientific research and education for more than 40 years, he has cultivated many outstanding high-level geological professionals for the country, and made outstanding contributions to national education and geological science and technology. In the 1980s, he took the lead in applying for the two national key disciplines of "Petroleum Geology" and "Engineering Geology". After retiring in 1988, he continued to contribute to the construction and development of the State Key Laboratory of Geohazard Prevention and Geo-environment Protection. His research achievements have won national, ministerial, and provincial awards for many times. He has won the first prize of the National

Science and Technology Progress Award, the second prize of the National Teaching Achievement Award, the May 1st Labor Medal, and the Li Siguang Geological Science Award.

Engaged in scientific research and education for 48 years, Prof. Zhang. Zhuoyuan has published 120 papers, more than ten monographs, and edited, compiled, and published more than ten series of textbooks and teaching books. Since he became one of the first batch of engineering geology teachers in China in 1952, Prof. Zhang regarded "undertaking the important task of cultivating scientific and technological talents urgently needed by the country" as a new life goal, regarded "education, scientific research and talent training in the field of geology" as his lifelong career. He has cultivated many undergraduates, postdocs, masters, and other high-level talents, many of them have become academic leaders and backbones of many famous universities and institutes in China and worldwide.

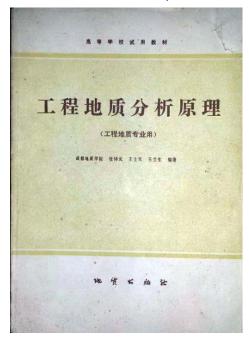


Prof. Zhang Zhuoyuan led the field geological investigation

At the end of 1957, adhering to the common vision of improving the teaching quality of engineering geology, Prof. Zhang. Zhuoyuan, cooperated with Wang Shitian, Wang Lansheng, Li Yueguo and other professors, completed two textbooks, the Principles of Engineering Geological Analysis and Engineering Geological Survey in less than two years. In 1994, Principles of Engineering Geological Analysis was revised and republished as college planning book. In this book, physical model simulation and numerical simulation were used as an empirical means to reproduce the whole process of deformation and failure, and to verify the mechanism of deformation and failure. In-situ monitoring was used as a forecasting and early warning method for instability failure analysis. He created a systematic theory: from prototype investigation - conceptual model - deformation and failure mechanism analysis – physical and numerical simulation - monitoring verification - evaluation and prediction - prevention measures. Later, Prof. Zhang presided over and completed the revision of the third edition in 2009, and at the age of 90, he completed the revision of the fourth edition of the book in 2016.

Starting from the geological survey of Tibet in the early 1950s, he has traveled all over the mountains, ridges, valleys, and plains in the northwest and southwest in China for decades; he solved the most challenging engineering geological problems for many major construction projects in China. In the Yellow River-Longyangxia Hydropower Project, Prof. Zhang and his team established a theoretical framework for the study of regional tectonic stability of large-scale hydropower projects for the first time; in the Yellow River-Laxiwa Hydropower Project, Prof. Zhang and his team created a systematic method for evaluation of rock slope stability. In the construction of many large-scale hydropower

projects such as the Three Gorges of the Yangtze River, the Dadu River, the Yalong River, the Minjiang River and the Jinsha River, Prof. Zhang and his team have solved one engineering geological problem after another for the country, and obtained a number of international advanced or leading-level academic achievements, made outstanding contributions to China's hydropower engineering construction and Western Development.





1st and 4th editions of Principles of Engineering Geological Analysis

GERMANY

German National Group will hold two conferences. German Geotechnical Society Foundation Engineering Conference will be held on October 5-8, 2022 in Wiesbaden, and the 23rd Lake Constance Conference, with the topic of "Engineering geology of infrastructure and traffic route protection" on October 21-22 in Freiberg.

GREECE

The Greek National Group of IAEG is organising a Session focusing on Engineering Geology in the 16th International Congress of the Geological Society of Greece.

The Congress is organised in October 17-19, 2022 in Patras, Greece.

The theme of the Special Session is the following:

New perspectives for the monitoring and early detection of Geohazards

Conveners:

Constantinos Loupasakis, National Technical University of Athens;

Harry Saroglou, National Technical University of Athens;

George Papathanassiou, Aristotle University of Thessaloniki

There are several types of geohazards with different natural and artificial causes and all of them have the potential to create problems on the natural and man-made environment. Geohazards can develop quickly in response to the processes that drive them, or take decades, hundreds, or thousands of years to develop to a point where they pose a threat to the safety of people and infrastructures. Their existence is an indication of the continuous earth evolution and lately of the

negative effects of climate change in the environment. Primary geohazards include earthquake, volcanic eruptions, and hydrometeorological phenomena. Geohazards can trigger secondary geohazards such as ground subsidence and rupture, liquefaction, tsunamis, debris flows, avalanches, landslides, flooding, etc., which in recent days can be monitored with a greater efficiency due to the development of a more accurate ground based and airborne instrumentation. The scope of the proposed special session is to present recent developments on the monitoring and early detection of geohazards with an emphasis given in ground deformation. Towards this scope real case studies and some critical problems associated with field implementation and monitoring systems will be presented and thoroughly discussed.



IRAN

In the summer of 2021, two "Landslide" training courses were held vitually by Dr. Jafar Hassanpour, a member of the board of NIAEG. In this training course, topics including methods of classification, identification, and recording of landslides, hazard zonation, stability analysis, stabilization, and monitoring methods were taught to participants based on the latest scientific achievements.

We are still passing very critical time here in Iran h due to Covid 19, we are now in the 6th wave of Corona with new Omicron of Corona virus variants which is spreading very fast. In this situation we decided to have the 10th National Conference on Engineering Geology and the Environment on May 11-12, 2022 in cooperation with Yazd University. Eventhough 80% of Iran pupulation were vaccinated against Covid-19, we decided to have th Conference virtually.

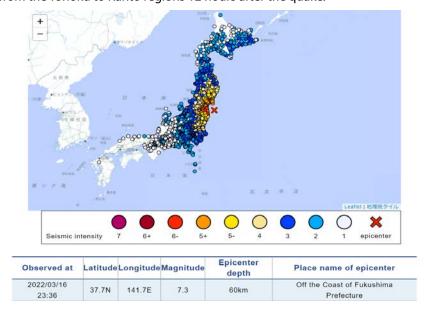
JAPAN

At 11:36 p.m. on March 16, a huge earthquake occurred in Miyagi and Fukushima prefectures with a seismic intensity of 6 on the Japanese scale. The epicenter of this earthquake was off the coast of Fukushima Prefecture (37°41.8' N latitude, 141°37.3' E longitude). Japan metrological agency reported the depth of the epicenter was 57 km (provisional value), and the magnitude of the earthquake was 7.4 (provisional value), A 0.2 m tsunami was observed at Ishinomaki Port in Miyagi Prefecture at 00:29 on the 17th by the earthquake.

NHK, responsible for Japan's public broadcasting, conducted interviews with local governments and found that three people were killed and at least 225 injured as of March 17. The earthquake caused large-scale power outages over a wide area. However, these were mostly resolved in the entire region after three hours.

According to the Ministry of Health, Labor, and Welfare, water outages has continued to pile up over

a wide area from the Tohoku to Kanto regions 12 hours after the quake.



Source: Japan Meteorological Agency website

(https://www.data.jma.go.jp/multi/quake/quake_detail.html?eventID=20220317001109&lang=en)

On the night of March 16th, the Tohoku Shinkansen, "Yamabiko No. 223", derailed between Fukushima and Shiraishi Zao stations.

At Soma Port wharf in Shinchi Town, Fukushima Prefecture, two large cranes, known as " coal unloader," used to unload coal brought in by ships, broke off. The cranes were approximately 40 meters high, and near the middle, at a height of about 20 meters, the arms were bent and the part that gripped the coal fell to the ground.

A source fault model (rectangular fault uniform slip) reported by Geospatial Information Authority of Japan was estimated based on crustal deformation observed at GNSS stations such as electronic reference stations. The features are as follows.

- (1) Reverse fault movement on a west-trending or east-trending fault plane is estimated.
- (2) Both west-trending and east-trending fault planes explain the crustal deformation well.
- (3) The horizontal position of the fault plane is consistent with the distribution of the epicenter in both cases of west-trending and east-trending fault planes.
- (4) The upper end of the fault is about 40 km deep and the lower end is about 62 km deep in both cases of west-trending and east-trending faults.

Fortunately, the earthquake caused little damage compared to the magnitude of the earthquake and its tremors.

Perhaps the experience of the Great East Japan Earthquake of 2011 was put to good use. However, more than 10 years have passed since the earthquake, and memories of the disaster are gradually fading from people's minds. Many experts have pointed this out.

NIGERIA

The Nigerian National Group has been engaged in workshops in partnership with industry practitioners to introduce Young Engineering Geologists professional life outside the classroom.



Group photo at the University of Port-Harcourt, PortHarcourt at a workshop on site investigation and the role of engineering geologists in the prevention of building collapse.



New Executive Committee Of The Nigerian National Group, Naege



Photo Summary Of New Exco Inauguration Ceremony

SERBIA

Obituary



We are very sad to announce that the Former President of IAEG Serbian National group, Prof. Duško Sunarić, passed away on 10th January 2022.

Prof. dr Duško V. Sunarić, regular member of the Academy of Engineering Sciences of Serbia (AESS), was born on September 20th, 1943 in Foča (B&H), married to Verica, B.Sc.eng.geol., had a daughter Ana (BSc in Philology) and a son Ivan (BSc in Law), daughter in law Bojana (BSc in Law) and grand-daughter Jovana. He finished elementary school and high school in his hometown. He enrolled at the Faculty of Mining and Geology in Belgrade

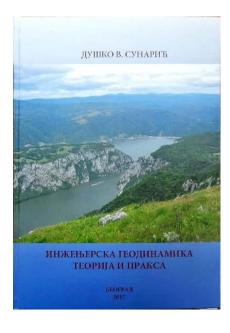
in 1962, and graduated in 1967. At the same faculty, in the scientific field of Geotechnics, he completed postgraduate studies (1980), and received his doctorate in 1984. After graduating, from 1967. to 1969. he worked in Sarajevo (Geoistrage and Geological Institute). Then he moved to Belgrade to the Geological Survey (1969 - 1972), and then to the Faculty of Mining and Geology (Department of Geotechnics, 1972 - 2007). At the faculty, he was elected an assistant professor, associate professor and full professor (1995). He was in charge as professor for the courses "Engineering geodynamics", "Engineering geology" and "Engineering seismology". He was especially dedicated to the research of the effect of local soil and geodynamical conditions on seismic risk, for the purpose of spatial and urban planning, as well as for the purpose of structural design.

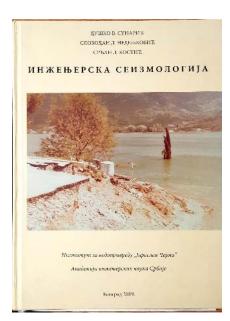
As a part-time teacher, he also taught Engineering Geology at the Faculty of Architecture and Civil Engineering in Niš (1987-1989) and Belgrade (1999-2009) and at the Faculty of Mining and Metallurgy in Kosovska Mitrovica (1991-1993). In the period 2007-2010, he was employed at the Institute for Development of Water Resources "Jaroslav Černi" (Belgrade), and then in 2010-2012 he worked as advisor in the Traffic Institute CIP (Belgrade). He retired on February 1st 2012.

He has published more than 150 papers in journals, congresses or symposiums, including 5 monographs and several chapters in domestic and foreign monographs. He was awarded by the Association of University Professors and Scientists of Serbia "Prof. Dr. Vojislav K. Stojanović " (2009). He was Vice Dean, Head of the Department for Engineering Geodynamics and Geotechnical Meliorative Measures, Head of the Institute and postgraduate teaching. He was a member of numerous scientific, publishing and organizational committees of domestic and international symposia and congresses; President of the Yugoslav Committee for Hydrogeology and Engineering Geology and the Committee for Engineering Geology and Geotechnics (SGEITS) and Secretary of the Department of Mining, Geological and Systems Sciences of AESS.

He is considered as one of the founders of engineering seismology in Serbia, and, together with late professor Milosav Janjić, as one of the founders of engineering geodynamics in Serbia. He published two capital monographs in these scientific areas in Serbian language.

He will be remembered as a good man, modest, calm, patient, polite, always with a joyful spirit. His students and associates will remember him as a remarkable professor, great expert, pedagogue, and mentor.





Prepared by: Prof. dr Dragutin Jevremović Mr Slobodan Nedeljković, MSc in Geophysics Dr Srđan Kostić, Assoc. Prof.



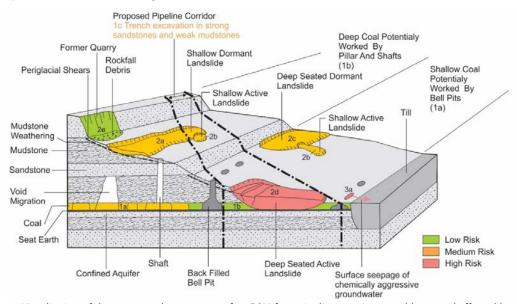
COMMISSION 25

Engineering Geological Models

The International Association for Engineering Geology and the Environment (IAEG) Commission 25 (C25) is in the final stages of preparing Guidelines for the Development and Application of Engineering Geological Models on Projects. The Guidelines build on the initial C25 report on Engineering Geological Models (Parry et al. 2014) and will establish best practice based on the application of the technique on actual projects.

The purpose of these Guidelines is to provide succinct, practical, accessible and authoritative advice on the effective use of the Engineering Geological Model (EGM) in a wide range of fields including: civil engineering; mining; geohazard studies; land-use planning and environmental assessment. The Guidelines are aimed at practitioners from around the world involved in projects ranging from investigating single storey dwellings to constructing major pieces of infrastructure.

The central premise of these Guidelines is that an EGM is not simply a 2D or 3D visualization of a data set, it is a comprehensive knowledge framework for the logical evaluation and interpretation of all the geological conditions and their engineering characteristics that are of significance to the project. The purpose of the EGM is thus to support the engineering decisions that are made from project inception to decommissioning.



Visualisation of the conceptual component of an EGM for a pipeline crossing unstable ground affected by mining and landslides (from Baynes et al. 2020).

The Guidelines comprise three parts: Advisory Clauses for the Development of EGMs (Part 1); Commentary on the Advisory Clauses (Part 2) and Examples of EGM Applications (Part 3). These represent the consensus opinions of the Working Group as to what they consider to be good practice.

The first draft of the Guidelines was discussed as part the IAEG 3rd European Congress held in Athens in October 2021. Revisions are being made to this version, based on feedback from that workshop. A second draft will be prepared during the first quarter of 2022 and the final version should be completed in mid – 2022.

Upon completion the Guidelines will be freely downloadable from the IAEG website at www.iaeg.info/commission-25-use-of-engineering-geological-models

For further information contact Steve Parry sparry@ParryEGS.com

COMMISSION 28

After the European Congress held in Athens in October 2021, C28 started an intense collaboration with C25 to finalize the second draft version of the "Guidelines for the Development and Application of Engineering Geological Models on Projects". C28 worked on the contribution collected in Chapter 5. This draft will be delivered soon by C25.

Several online meetings have been taken place in the past months to complete the second draft of Chapter 5 in the Guidelines. The objective in the near future is to enroll other academics and experts active in the field of reliability and risk assessment in engineering geological designing to strengthen the C28 group and develop ambitious tasks toward the professional continuous teaching on how to manage uncertainty and variability in Engineering Geological Modelling. Webinars, manuals, and other initiatives will be developed when the number of members will be increased and wider competence will be covered.



The XIV Congress of the International Association for Engineering Geology and the Environment will be held in Chengdu Century City New International Convention and Exhibition Center, Chengdu, China in September 21-27, 2023. Based on the theme of "Engineering Geology for a Habitable Earth", the congress is expected to enhance the disciplinary and research development of international engineering geology and the environment, and contribute to the advancement of major projects, ecological progress, and habitable earth with research and discussion in the engineering geology and global climate change, geological hazard assessment and prevention, geotechnical properties of rock and soil mass, engineering geology and the environmental issues concerning marine, transportation, urban and ecological environment protection in major projects, engineering geology and resilience engineering construction, intelligent engineering geology, and new theories, methods, and techniques in engineering geology, etc. We warmly welcome the worldwide engineering geological community to come to Chengdu to participate in this academic event.

Contact Information

Website: https://iaeg2022.org/

Venue: Chengdu Century City International Convention and Exhibition Center

Session and Field Course

Yonghong Luo: 445890689@qq.com; Peng Zeng: zengpeng15@cdut.edu.cn

Sponsorship:

Dongpo Wang: wangdongpo@cdut.edu.cn; Shenghua Cui: cuishenghua18@cdut.edu.cn

Address: No. 1 Dongsan Road, Erxianqiao, Chenghua District, Chengdu, Sichuan, China

Tel: 028-84073193; Email: <u>IAEG2022@cdut.edu.cn</u>

Paper and abstract submission

The reviewing process for submitted papers has been started and will be completed by July and accepted papers are planned to be published in 2023.

The submission system is still open for full-length papers. The deadline for submission of full-length paper is December 31, 2022. Please read the guidelines for paper submittal prior to submitting your full-length paper https://iaeq2022.org/sub.html.



Madrid, Spain, June 6-9, 2022

83rd EAGE Annual Conference

The 83rd EAGE Annual Conference and Exhibition to be held in Madrid in June 2022. The EAGE is one of the leading global professional associations for Geoscientists and Engineers and the Annual Conference is a fantastic opportunity to connect and interact with colleagues from several industries and disciplines.

COVID-19 has not only contracted most global economies, it has also accelerated deep change in key global sectors like Energy and Technology.



The Energy sector was already visualising change to respond to the challenges of the Energy Transition and the pandemic has simply accelerated this transformation. The Technology sector has emerged reinforced from the pandemic, due to the proliferation of digital tools, electronic commerce and new ways of working associated to the restrictions.

The waves of change that are affecting the Energy sector and the digital workplace will inevitably impact the Geosciences and Engineering professionals which will have to adjust, develop and foster new competencies and practices into this new era. EAGE, as one of the largest subsurface professional's association in the world, can and should play a role in outlining and promoting some of these new competencies and practices that will make Geoscientists and Engineers more competitive in accessing the opportunities that this new environment will provide. That's why we have chosen "Leading Geosciences into a New Era" as the 83rd EAGE Annual Conference & Exhibition theme.

Conference Information

Website: https://eage.eventsair.com/eageannual2022/;

Venue: IFEMA Feria de Madrid; Tel: +31-88-995-5055/30-634-3534;

Email: abstracts@eage.org; exhibition@eage.org; registration@eage.org

Field Trips

Geothermal potential of the Madrid Basin Date: June 10, 2022



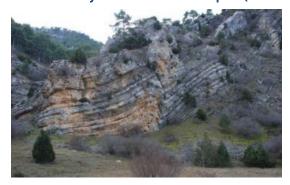


Geothermal potential of the Madrid Basin Date: June 10, 2022





Molina-Alto Tajo Global UNESCO Geopark (Guadalajara province), June 10





Site Visit to Underground Gas Storage (UGS) at Yela (Guadalajara), June 6





Registration

The programm for the 83rd EAGE Annual Conference & Exhibition focusseson organising a live conference and exhibition that will have online components matching the quality of the in-person format. The registration for this year's event consists of both in-person as well as online attendance, all under one single fee.

The reason EAGE chose this registration setup is to offer the maximum amount of flexibility regarding your decision to attend the event in the context of today's uncertain times. With this registration type you are able to switch the way you attend until 1 May 2022.

Please refer to https://login.eage.org/ for registration.

Naples, Italy, June 22-24, 2022

3rd International Symposium on Geotechnical Engineering for the Preservation of Monuments and Historic Sites



The possibility of finding in practice an acceptable equilibrium is linked to the development of a shared culture. For this reason, the International Society of Soil Mechanics and Geotechnical Engineering promoted over 30 years ago an ad hoc Committee (on Preservation of Monuments and Historic Sites), as suggested by Jean Kerisel and Arrigo Croce. Since that founding period, a number of international and regional symposia have been organised, and in recognition of his pioneering work a honour lecture has been dedicated to Jean Kerisel. The first Kerisel Lecture was delivered at International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE) in 2013 in Paris; the second one at the ICSMGE in Seoul in 2017, and the third one will be offered during next International Conference of the TC301, which is now announced and will be held in Naples in June 2022, following the successful tradition started with the previous ones in 1996 and 2013.

Conference Information

Website: https://tc301-napoli.org/; Email: info@tc301-napoli.org/;

Venue: Conference Centre of the University of Naples Federico II Via Partenope, 36, Naples, Italy

Symposium topics

- Principles of conservation, maintenance strategies, case histories
- The knowledge: investigations and monitoring
- · Seismic risk, site effects, soil structure interaction
- Effects of urban development and tunnelling on built heritage
- · Preservation of diffuse heritage: soil instability, subsidence, environmental damages





Aosta Valley (Italy) and Tyrol (Austria), July 4-5, 2022

First Summer School of The International Association

Among the most essential activities of engineering geology, there is proactive support in correct planning, realization and of course maintenance of large infrastructures.

Large infrastructures (eg. dams, bridges, tunnels) are as a rule, often realized in complex environments, where number of geological and natural risks (geo status, processes, and events) and their interplay, represent a potential threat to the functionality and safety of infrastructures, workers and users, and as a consequence to the health of citizens as well as to the welfare and functions of communities and their economy. The European Alpine environment represents an excellent example in this sense: complex geological setting and the presence of different slope instabilities together with extreme climate events can hamper the construction and pose at risk the management of infrastructures during their life.

In 2022 the first official IAEG Summer School is organized in the Aosta Valley region, in the North West of Italy, and in Tyrol in Western Austria and is indeed aimed to describe the possible impacts of different infrastructures like dams, tunnels, and other construction realized in the last century in an alpine region. The school will be focused on the description of impacts, but it also will put attention towards correct approaches for the definition of the geological model, the design of the infrastructure, its maintenance, and besides on the proper communication efforts.

The IAEG Summer School participation is free of charge. The number of participants is limited to 25 people, and primarily reserved for Ph.D. students. Post Doc and Master degree students will be considered if places would be available.

Conference Information

*The school is dedicated to PhD students in Earth Sciences and Engineering Geology.

Program

	Part One (Aosta Valley)
July 4-5 , 2022	Summer School Registration & Introduction
July 6, 2022	Impact Assessment and Monitoring Solutions of Slope Instabilities
July 7/9/10, 2022	Field Trip
July 8, 2022	Design, Construction, Maintenance and Econimic Impact Evaluation of
	Large Instructure
	Part Two (Austria)
July 10-12, 2022	Transfer to the Kaunertal Valley for Landslides
July 13-15, 2022	Site Visit of the Marzellkamm Landslide and Landslides of Köfels and
	Tschirgant and Fernpass

^{*}No registration fee is required.

^{*}contact sciaeg@irpi.cnr.it for more information

Naples, Italy, July 12-15, 2022

International Conference EwaS5



The University of Thessaly, Civil Engineering Department and the University of Naples Federico II, Civil, Architectural and Environmental Engineering Department are glad to announce the pre-release of the 5th EWaS (Efficient Water Systems) International Conference on "Water Security and Safety Management: emerging threats or new challenges? Moving from Therapy and Restoration to Prognosis and Prevention", taking place in Naples, Italy, from 13th to 16th July, 2022.

Conference Information

Website: https://www.ewas5.it/; Email: mpcongressi@gmail.com

Online Registration

	Early Bird (till 28/02/2022)	Late Bird (till 31/03/2022)	After 31/03/2022 & Onsite
Standard	350€	450€	600€
Student	190€	240€	300€
1-day Participation	140€	140€	140€
Accompanying Person	150€	150€	150€

Themes & Topics

- Water security and safety fostering water resilience (e.g.: raw water treatment)
- Sustainable water management in circular economy
- Water Energy Food Nexus
- Internet of Things (IoT) solutions aiding water management
- Innovative methods for urban water cycle management (e.g.: smart/mega cities; hydro-energy recovery in water systems)
- Wastewater treatment and water resource recovery facilities
-

Abstract Submission

January 10, 2022: Abstract Submission deadline

January 25, 2022: Notification of Abstract Acceptance

February 28, 2022: Full Paper Submission

Copenhagen, Denmark, September 2-8, 2022

World Tunnel Congress 2022

WTC2022
2-8 SEPTEMBER 2022 Copenhage

The WTC 2022 Organizing Committee and the ITA announce that the WTC 2022 in Copenhagen will take place from Friday September 2 to Thursday September 8, 2022, instead of April 22 to 28 at **BELLA CENTER.**

In a context of a global health crisis and awareness of the difficulty for many industry professionals at this time to commit to participate in the WTC 2022 in April, the WTC 2022 Organizing Committee in agreement with the ITA Executive Council has decided to postpone the WTC 2022 in Copenhagen to September 2-8.

The expectation is, as it was also the case in 2021, that by September the COVID-19 virus will be less virulent and therefore will allow the entire tunnel and underground profession to finally meet and see each other again in good conditions.

The Organizing Committee and the 150 exhibitors will look forward to meeting you all, and we will ensure that the conference will follow any health regulations that may be in force by next September in Denmark, if any. All ITA activities will also take place between September 2 and 8 such as the General Assembly and meetings of the Working Groups and Committees etc.

As we recently announced, it will also be the case for all future WTCs, the WTC 2022 will take place in a hybrid mode (physical and digital), allowing those of you for whom travel may still be difficult or for other reasons cannot attend the physical conference, to take advantage of all the content presented at the major congress of the profession.

Conference Information

Website: https://wtc2022.dk/

General Information: Helle Klestrup, wtc2022@discongress.com

Sponsorship & Exhibition: Peder Andersen, exhibition@discongress.com

Venue: Bella Center Copenhagen Center Boulevard 5 2300 Copenhagen S, Denmark

Registration

Registration Fees:	Before 25th April, 2022	From 26th April, 2022	Digital Participation
Participant fee	DKK 6300/ € 845	DKK 7425 / € 995	DKK 4850 / € 650
Young members	DKK 3350 / € 450	DKK 4100 / € 550	DKK 2600 / € 350
Students*	DKK 2235 / € 300	DKK 2235 / € 300	DKK 375 / € 50
Category III countries	DKK 2980 / € 400	DKK 3725 / € 500	DKK 2425 / € 325
Accompanying persons	DKK 1125 / € 150	DKK 1125 / € 150	N/A
Gala Dinner	DKK 1125 / € 150	DKK 1125 / € 150	N/A

Tour Program

• Tour 1: City and Harbour Tour; Monday SEPTEMBER 5, 2022, 13:00-15:30; Price: DKK 500 / € 67





- TOUR 2: Karen Blixen Museum and Louisiana Art Tour
- TUESDAY SEPTEMBER 6, 2022, 9:00-14:00 INCLUDING LUNCH

Price: DKK 875 / € 117 including lunch





- TOUR 3: Walking tour in Copenhagen
- WEDNESDAY SEPTEMBER 7, 2022, 9:00-12.30



Wuhan, China, September 18-23, 2022

49th IAH Congress



Groundwater Sustainability & Poverty Reduction WUHAN, CHINA [18-23 September 2022]

The 49th IAH Congress will be held on September 18-23, 2022 in Wuhan, China. The theme of the 49th IAH Congress is "Groundwater Sustainability and Poverty Reduction". Poverty reduction is a top priority for most countries in the world. Unfortunately, most of the poor countries and regions have been faced with serious problems of water scarcity and contamination. It is the mission and ultimate responsibility of the international community of hydrogeologists to help the people get access to sustainable safe supply of fresh groundwater. With your active participation to share your ideas, experiences and knowledge, I believe this congress in China will be a great success. See you in Wuhan!

Conference Information

Website: https://www.iah2022.com/;

Venue: Wuhan East Lake Hotel (https://www.el-h.com/donghu/index.html)

Organizing Information: info@iah2022.com
Scientific Programm: scientific@iah2022.com

Sponsors info: sponsor@iah2022.com

Topics

- Groundwater Sustainability and Poverty Reduction
- Groundwater Dependent Ecosystems
- Groundwater Quality and Human Health
- Global Change and Groundwater Cycles
- Sustainable Water Futures for Cold Regions
- Groundwater and Subsurface Energy Development
- Advances in Karst Hydrogeology
- Geomicrobiology of Aquifer Systems

•

Registration

Category	Early Bird (Until 30 June, 2022)	Standard Online (From 30 June to 18 September, 2022)	Onsite
Members	USD 500	USD 600	USD 600
Non-members	USD 600	USD 700	USD 700
Low and lower-middle income countries**	USD 350	USD 350	USD 350
Students	USD 250	USD 300	USD 300
Accompany Persons	USD 200	USD 300	USD 300

Pre-congress Excursions

Excursion 1: Guiyuan Buddhist Temple





Excursion 2: Yellow Crane Tower





Mid-congress Excursions

Excursion 1: Hubei Provincial Museum





Excursion 2: East Lake Green Way





Post-congress Excursions

Karst water in Three Gorges Region of the central Yangtze River



Mexico, September 19 to 21, 2022 (Online)

1st National Conference on Hydrogeological Risks

The IAEG Mexican Group, Asociación Mexicana de Riesgos Hidrogeológicos (AMERHID), is pleased to announce its 1st National Conference on Hydrogeological Risks to be held online from September 19 to 21, 2022. The activities include virtual workshops, oral sessions, keynote lectures, and a panel discussion based on the conference theme: "Modern societies, more resilient or vulnerable to risk?". The oral presentations will cover topics such as volcanic eruptions, earthquakes and their predictability, marine and terrestrial tsunamis, mass movements, the effect of subsidence and flooding in urban areas, technological advancements applied to disaster management, the economic impact of natural hazards, vulnerability from a multidisciplinary perspective, as well as territorial planning and civil protection for risk mitigation, among others. Online registration will begin shortly, and any related news will be announced through our social media. You can find us on Facebook at Asociación Mexicana de Riesgos Hidrogeológicos and on Twitter at AMERHID.



"Modern societies, more resilient or vulnerable to risk?"

SEPTEMBER 19 TO 21, 2022

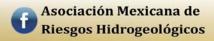
ONLINE

REYNOTE LECTURES
PANEL DISCUSSION
VIRTUAL WORKSHOPS

Themes:

- Volcanic eruptions
- · Earthquakes and their predictability
- · Marine and terrestrial tsunamis
- · Mass movements
- The effect of subsidence and flooding in urban areas
- Technological advancements applied to disaster management
- The economic impact of natural hazards
- Vulnerability from a multidisciplinary perspective
- Territorial planning and civil protection for risk mitigation
 And more!

For more info: congresos.amerhid@gmail.com



3rd IAEG Africa Regional Conference and 7th NAEGE Annual International Conference – Lagos 2022



3RD IAEG AFRICA REGIONAL CONFERENCE AND 7TH NAEGE ANNUAL INTERNATIONAL CONFERENCE – LAGOS 2022

9TH - 14TH OCTOBER, 2022

Sheraton Hotel Ikeja

30 Mobolaji Bank Anthony Way, Maryland 021189, Lagos, Nigeria.

The International Association for Engineering Geology and the Environment (IAEG) in conjunction with Nigerian Association for Engineering Geology and the Environment presents the 3RD IAEG Africa Regional Conference And 7th NAEGE Annual International Conference which is slated to take place in LAGOS on the 9th – 14th October, 2022. The theme of this two in one conference is ENGINERING GEOLOGY (Imperative for Infrastructural Development and Sustainability of Cities in Africa)

Conference Information

Website: https://iaeg-naege2022.com/ E-mail: info@iaeg-naege2022.com phone: +2348023529637

Sub-themes

- · Building Collapse: The nexus between geology, foundation suitability and structural stability
- Geohazards, Infrastructural Stability and environmental sustainability.
- · Advances and innovations in soil and rock characterizations
- Geophysics in subsurface engineering, geological mapping and characterization.
- Engineering geological mapping for sustainable infrastructures.

Registration

Please refer to https://iaeq-naege2022.com/registration/ for registration.

Sousse, Tunisia, October 20-23, 2022

4th Euro-Mediterranean Conference For Environmental Integration



The 4th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2022) aims to gather high-quality, original research papers for publication following peer review in topical collections of the *Euro-Mediterranean Journal for Environmental Integration* and other Springer journals on various multidisciplinary topics linked to the evolution and development of the Euro-Mediterranean environment in the past, present, and future. The main objectives of the conference are to support research and innovation, to promote the exchange of scientific knowledge, and to foster collaboration among Euro-Mediterranean communities. The conference participants will have an opportunity to attend several keynote presentations on new indicators and directions in research, development and innovations in the multidisciplinary fields of the environmental sciences. To this end, several high-profile Euro-Mediterranean scientists will participate in this conference. Moreover, a social and cultural program is planned, where, participants can take a little time out to explore the wonders of the historical sites of Tunisia.

Conference Information

Website: https://www.emcei.net/; Email: contact@emcei.net; submission@emcei.net,

Venue: Barceló Concorde Green Park Palace

Note:

Deadline to submit a short abstract (max. 350 words): 31 May 2022.

Deadline to submit (optional, not mandatory) an extended abstract (max. 4 pages) for publication in the proceedings by Springer (indexed in Scopus / SCImago): 25 August 2022.

If you have been selected (i.e. short abstract accepted), we will contact you on August 1, 2022 to check whether you want to attend the conference in person and present your work to the audience directly or if you would prefer to make your presentation online.

You will have until August 15, 2022 to decide on the type of presentation (in-person or online).

Before doing any trip planning, be sure to check the <u>Travel & Entry Restrictions</u> to Tunisia.

All presenting authors will be invited to submit to the special issues of our partner journals (Springer) on <u>Publications</u>.

Publications From Past EMCEI Events:



Proceedings of EMCEI-2017 Springer Indexed in Web of Science Indexed in Scopus 84k downloads 112 citations



Proceedings of EMCEI-2019 Springer Indexed in Scopus under progress



Special Issue of EMCEI-2017 Springer Impact Factor = 3.05



S p e c i a l l s s u e o f EMCEI-2019 Springer Impact Factor = 3.05 under progress



Best Papers of EMCEI-2017
Springer
Indexed in Web of Science
ESCI
Scopus (under progress)



Best Papers of EMCEI-2019
Springer
Indexed in Web of Science
ESCI
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