



EUCEET Association

NEWSLETTER 4/2018

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FROM THE EUCEET ASSOCIATION

Proceedings of the 4th EUCEET Association Conference

“Challenges for the Third Millennium”



The 4th EUCEET Association International Conference was organized in Barcelona, on **5th - 8th September 2018** by the Barcelona School of Civil Engineering (Department of Civil and Environmental Engineering) of the Technical University of Catalonia, BarcelonaTech, and EUCEET (European Civil Engineering Education and Training) Association.

The proceedings of the *“Challenges for the Third Millennium”* conference 2018 are available on the webpage:

<http://congress.cimne.com/EUCEET2018/frontal/Doc/Ebook-EUCEET-2018.pdf>

Announcement of the 12th General Assembly of the EUCEET Association

The 12th General Assembly of the EUCEET Association will take place on **Friday, 4th October 2019** kindly hosted by **École des Ponts ParisTech**.

École des Ponts ParisTech, created in 1747 under the name École Royale des Ponts et Chaussées, is a higher education establishment that trains engineers to a high level of scientific, technical and general competency. Apart from civil engineering and spatial planning, historically the source of its prestige, the École des Ponts develops high-quality programs and research associated with the energy transition.



Coriolis building



École des Ponts ParisTech main campus is based at Champs-sur-Marne, on the Cité Descartes campus which is the largest higher education and research hub in eastern Paris.

Access: 30 minutes from Paris centre by train (<http://www.enpc.fr/en/getting-school>)



Tentative schedule:

Time	Activity	Venue
Thursday October 3rd, 2019		
15:00 -15:30	Welcome by Marie-Christine BERT (Director of International Relations ENPC)	Carnot building / Perronet room
15:30 – 16:00	Visit of " <i>Construire le courbe</i> " structure (Dr. Cyril DOUTHE - Assoc. Prof. ENPC)	Coriolis building/ hall Freyssinet
16:15- 16:45 (by groups)	Visit of the library historical collection (Guillaume SAQUET - Deputy manager of the library historical collection ENPC-)	Carnot building /la Source
Friday October 4th, 2019		
9:30 -12.00	EUCEET General Assembly	Carnot building/ Perronet room

Call for the position of the General Secretary of the EUCEET Association

The Administrative Council of EUCEET Association is seeking to appoint a **General Secretary of the EUCEET Association**.

Members of EUCEET Association, including the Administrative Council, are invited to show their interest in a short communication to Mia Trifu.

The current statutes describe the activities expected from the General Secretary. However, these are likely to change upon consultation with the Administrative Council.

Call for the next conference of the EUCEET Association

All members of the EUCEET Association are invited to send suggestions/proposals/offers regarding the organization and the topics for the 5th Conference of the Association to be organized either in 2020 or 2021.

The offers should contain dates and fees and possible locations, suggestions and proposals for the invited speakers. The offers should be sent to the President of the EUCEET Association, Prof. Laurie Boswell (L.F.Boswell@city.ac.uk) and, in copy, to the secretary Mia Trifu (mia.trifu@utcb.ro).

FROM MEMBERS

L'École des Ponts ParisTech, FR



5TH PEPITE PRIZE: TWO ENPC STUDENT PROJECTS REWARDED

19 November, 2018

Two student projects from École des Ponts ParisTech were honored at recent *PEPITE - Tremplin awards for Student Entrepreneurship* (<https://www.pepite-france.fr/c-prix-pepite>).



On November 7th, the WIND MY ROOF team qualified among the regional winners of Paris area (<https://www.windmyroof.com/>), as did Valentin Huang (*Harvestr project* -<https://harvestr.io/>-) who was rewarded in the national final of November 15th.

Yanis Maacha, Baptiste Lafoux, Antoine Brichot - WIND MY ROOF

Valentin Huang received his award from Bernard Larrouturou, Director General of Research and Innovation of the French Ministry of Higher Education, Research and Innovation, for the *Harvestr project*.

Created in 2014, the PEPITE - Tremplin pour l'Entrepreneuriat étudiant prize encourages the creation of innovative companies by students and young graduates. Organized by the Ministry of Higher Education, Research and Innovation in partnership with the Caisse des Dépôts, it aims on the one hand to bring out projects for the creation of innovative companies supported by students and young graduates and secondly to support and support these young talents in their entrepreneurial approach.



Bernard Larrouturou, Valentin Huang and Hassane Akka (École des Ponts ParisTech)

ENPC INVOLVED IN EUROPEAN ATHENS WEEK**19-23 November, 2018**

From 19 to 23 November 2018, École des Ponts ParisTech participates in the European ATHENS Week.

On this occasion, 17 students of 10 nationalities are welcomed this week within ENPC. Three of these students come from ParisTech schools and the others come from European partner institutions: Instituto Superior Tecnico Lisboa, Technische Universität Wien, Universidad Politecnica de Madrid, Delft University of Technology, University Politehnica of Bucharest, Czech Technical University in Prague and Politecnico di Milano. All will take the course "Accounting Basics and Management".

51 ENPC students are also participating in this special week. They are distributed in ParisTech schools as well as in the same European partner institutions.

The *European ATHENS Week* is a special training program within the engineering curriculum. It is organized by 9 ParisTech engineering schools and 15 foreign partner institutions. Twice a year (in March and November), a 7-day intensive course program allows students to take one week of high academic level courses in one of Europe's leading technology universities.

Around 3,500 students from all partner countries participate each year in the ATHENS program.

More information : <http://athensnetwork.eu/index.html>



ATHENS NETWORK
ADVANCED TECHNOLOGY
HIGHER EDUCATION NETWORK

ENPC BREAKFASTS: ARTIFICIAL INTELLIGENCE**27 November, 2018**

The 3Matinale des Ponts³ took place on Tuesday November 27, 2018 from 8:30 to 11:00 in Paris on the theme of artificial intelligence.

This round table, chaired by Sophie MOUGARD, director of the École des Ponts ParisTech, and moderated by Pierre-Olivier ROUAUD, journalist, started with a short presentation of ENPC's significant activities in this area (training and research). Then representatives of companies and start-ups expressed their vision of the subject and shared their expectations in terms of training and research as well as their existing interactions with the École des Ponts ParisTech.

On the program of this edition:

- Kevin Dedieu, Head of Energy and Nat Cat risks - AXA Group
- Jérémie Guez, Head of Data Science @DataLab - BNP PARIBAS
- Axel Parmentier, researcher at the CERMICS laboratory - École des Ponts ParisTech
- Jean-François Caron, research director at the Navier laboratory - École des Ponts ParisTech
- Dominique Volot, Senior Partner - Technical, Innovation and Digital Department - Artelia

More informations about "matinales des ponts": <http://www.enpc.fr/matinales-des-ponts>

PRESENTATION OF THE RESULTS OF THE CALOHEE PROJECT (MEASURING AND COMPARING ACHIEVEMENTS OF LEARNING OUTCOMES IN HIGHER EDUCATION IN EUROPE)

Contribute to defining of reference framework for European higher education

The CALOHEE Consortium proudly presents the outcomes of the project *Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe*. These outcomes are conceptual qualifications and assessment frameworks for five subject areas:

- i) Civil Engineering,
- ii) Teacher Education,
- iii) History,
- iv) Nursing,
- v) v) Physics.



These frameworks are the most sophisticated published so far in the world. They not only offer detailed insight into what students are expected to learn to be well prepared well for their future role in society, but also allow Higher Education Institutions to match their present programme designs and contents with internationally developed reference points.

All CALOHEE outcomes are available on <https://www.calohee.eu/>.

Subject Area Qualifications and Assessment Reference Frameworks

The *Subject Area Qualifications Reference Frameworks* are the outcomes of elaborations by groups of informed academics and students and of consultations of a wide circle of stakeholders, including employers and graduates. They are based on a merger of the Qualifications Framework of the European Higher Education Area (QF of the EHEA) and the European Qualifications Framework for Lifelong Learning (EQF for LLL) and are meant to serve as a sound basis for defining the programme learning outcomes of individual degree programmes of the first and second cycle (Bachelor and Master). Making the distinction between knowledge, skills and autonomy and responsibility (“wider competences”) they offer clear indicators for the alignment with the (potential) workplace and for active civic, social and cultural engagement.

Much more detailed are the Assessment Reference Frameworks, which offer “besides a breakdown of subject area general descriptors in measurable learning outcomes statements” examples of good practice of learning, teaching and assessment (LTA) methods and approaches to achieve the level of competence indicated. The use of a variety of appropriate LTA methods and approaches is another indicator for deciding on the quality of a degree programme. The Assessment Reference Frameworks offer broad “menus” of what has been identified as the learning of subject area and allow for motivated choices regarding the composition and implementation of individual degree programmes.

In addition, the consortium publishes *Guidelines and Reference Points Brochures for Civil Engineering, Teacher Education, History, Nursing and Physics*. These five brochures aim to provide educators, administrators, students and quality assurance experts with tools for understanding how degree programmes can be most effectively organised, improved, and evaluated. They also offer clear indicators about the potential employability fields, and in particular the roles, responsibilities and tasks which graduates are expected to take up in society.

EUCEET members identified as one of the European references

EUCEET Association members (ENPC, Aalto University, Aristotle University of Thessaloniki) has been involved in the CALOHEE project since the first meeting of the participating universities (in May 2016). 75 institutions of higher education took part in this project.



Significant impact on EU policy

The CALOHEE project, funded by the European Union (through the Erasmus + program), is part of its skills strategy, which advocates evidence-based education.

European Commissioner Tibor Navracsics, responsible for education, culture, youth and sport, has already highlighted the importance of CALOHEE: *"Stimulating economic growth and job creation in Europe is the priority political priority of this Commission. We will succeed only if we ensure that our educational institutions equip people with the skills they need in a dynamic and globalized economy. That's why I look forward to the results of this study"*.



European Commissioner Tibor Navracsics

More information on Calohee project: <https://www.calohee.eu/>

Universidad Politécnica de Madrid, ES



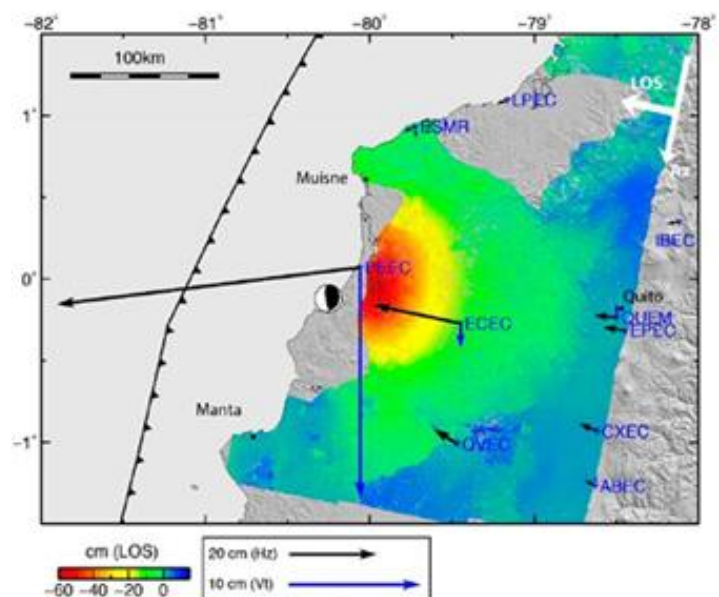
New Maps to Support Decision-Making after an Earthquake

Researchers from diverse institutions, including School of Land Surveying, Geodesy and Mapping Engineering from Universidad Politécnica de Madrid, have developed a new methodology to create easy-to-understand maps for decision-making support after large earthquakes.

By using spatial geodesic techniques, such as the Global Navigation Satellite System (GNSS) and the Interferometric synthetic aperture radar, (InSAR), researchers have developed a methodology to estimate the activation of faults and volcanoes in a region after an earthquake. The results are presented in a traffic light scale in order to improve the transfer of the obtained scientific results after an earthquake to the management of this post-event.

This study has been led by researchers from Universidad Politécnica de Madrid (UPM), Complutense (UCM) and the Geological and Mining Institute of Spain (IGME) and published in the [Remote Sensing](#) journal.

The developed methodology was applied to the earthquake occurred in April 2016 in Pedernales (Mw 7.8), and is based on the estimation of effort changes in nearby faults and volcanoes which are the consequences of the energy release after an earthquake. To do this, researchers combined, modeled and assessed geological data from catalogs of faults and volcanoes in the area, they also assessed data from the cosmic deformation



Coseismic displacement field from InSAR and GPS data after the 16 April 2016, Mw 7.8 Pedernales Earthquake. (Credit: Béjar-Pizarro et al., 2018).

caused by an earthquake and obtained from techniques of spatial geodesic: InSAR- Interferometric Synthetic Aperture Radar and Global Navigation Satellite System, GNSS.

From the results of this analysis, researchers developed a set of simplified maps represented with a traffic light scale to find out if an earthquake will be activated after a volcano. To quantify this estimation is a challenge to be developed in future research.

Although the techniques used for the analysis and modeling of data are widely used in the scientific field, the novelty of this study lies in the transfer of these results to the post-event management field. This methodology could also be adapted to pre-event management.

In this way, to achieve an effective transfer of this knowledge and scientific techniques to non-expert users who are responsible for the management of disasters and risks is the main goal of this study.

The National Institute for Metallurgical, Mining and Geological Research ([INIGEMM](#)) and other Ecuadorian institutions such as [Universidad Técnica de Manabí](#) and Universidad de las Fuerzas Armadas de Ecuador ([ESPE](#)) were also involved in this study. Besides, there was Spanish participation from Centre Tecnològic de les Telecomunicacions at Catalonia ([CTTC](#)) and [Universidad de Granada](#).

More information on:

http://www.upm.es/internacional/UPM/UPM_Channel/News?id=85d00ac538776610VgnVCM10000009c7648a&fmt=detail&prefmt=articulo

Aristotle University of Thessaloniki (AUTH), GR



ARISTOTLE UNIVERSITY
OF THESSALONIKI

International Seminar on Roads, Bridges & Tunnels

9-15 November, 2018

Prof. Nicolaos Theodossiou, from Department of Civil Engineering of the Aristotle University of Thessaloniki, informed about a new **United Nations Sustainable Development Solutions Network** (UN-SDSN).

A new **United Nations Sustainable Development Solutions Network** (UN-SDSN) has been established on October 2018, for the wider area of the Black Sea. The UN-SDSN has been operating since 2012 under the auspices of the UN Secretary-General. SDSN mobilizes global scientific and technological expertise to promote practical solutions for sustainable development, including the implementation of the 17 Sustainable Development Goals (SDGs) and the Paris Climate Agreement.



The aim of the network is to accelerate joint learning and promote integrated approaches that address the interconnected economic, social, and environmental challenges confronting the world. SDSN works closely with United Nations agencies, multilateral financing institutions, the private sector, and civil society.

The new network is hosted at the Aristotle University of Thessaloniki in Greece and is chaired by Nicolaos Theodossiou, Professor of Water Resources Management at the Department of Civil Engineering. The Department of Civil Engineering of the Aristotle University of Thessaloniki is a member of EUCEET Association and Prof. Theodossiou, serves as the representative of the department to EUCEET Association.

More information at: <http://sdsn-blacksea.auth.gr>

Riga Technical University, LV

Conference on Academic Integrity

17 October, 2018



<p>19 Presenters from 12 Countries</p> <p>Czech Republic Cyprus Germany Italy Latvia Lithuania Portugal Russian Federation Slovak Republic Slovenia Turkey UK</p>	<ul style="list-style-type: none"> • Main Session • Special Section "Academic Integrity in Medicine" • Panel Discussion • Workshops: <ul style="list-style-type: none"> - "Technology Enhanced Approaches for Creating Academic Integrity Awareness" - "Integrity in the Classroom" - "Plagiarism Awareness" - "Tools Supporting Academic Integrity"
<p>October 17, 2018 09:00 -17:30</p>	<p>Building a Culture of Academic Integrity in Education</p>
<ul style="list-style-type: none"> • Free of charge • Working language - English • Certificate of attendance • Limited number of places 	<p style="font-size: small;">Co-funded by the Erasmus+ Programme of the European Union</p>

Conference "Building a Culture of Academic Integrity in Education" organized within the framework of Erasmus+ project "European Network for Academic Integrity" took place on Wednesday, October 17, 2018 at the Riga Technical University.

European Network for Academic Integrity (ENAI) is a European-wide platform supporting higher education institutions to work together in the field of academic integrity.

ENAI is one of the pioneering associations to focus on teaching, research, training and dissemination of matters relating to integrity.

Initial activities of ENAI are funded by the Erasmus+ Strategic Partnerships project "European Network for Academic Integrity", which aims foremost to raise awareness in the matters of plagiarism, academic ethics, scholarly values and academic integrity. ENAI focuses not only on students, but also on the entire academic community (including professors, researchers, post-docs, PhDs, administration staff and management, academic ethics committees, etc.).

Leading academic integrity experts from 12 countries participated at the conference – Cyprus, the Czech Republic, Germany, Italy, Lithuania, Latvia, Portugal, Russia, Slovakia, Slovenia, Turkey and the United Kingdom. Conference had one main session «Academic Integrity in Medicine», four seminars, as well as panel discussion, which covered topical issues in the field of academic integrity.

The programme of the conference can be found on: https://www.rtu.lv/writable/public/files/RTU_1_0_program_fin_al.pdf



Opening of the conference "Building Culture of Academic Integrity in Education"

Delft University of Technology, NL



HADI HAJIBEYGI Innovative Teaching Talent 2018



Hadi Hajibeygi, assistant professor in the faculty of Civil Engineering and Geosciences has been elected Innovative Teaching Talent 2018. He lectures on the courses, Reservoir Simulation, Rock Fluid Physics and Advanced Reservoir Simulation, and set up the DARSIM research group.

The judging panel very much valued his integrated approach, in which he brings together education, research and the business community. By doing so, he aims to create an environment in which students can be part of a network in which they are visible and have the potential to develop.

More information about Hadi Hajibeygi here .

<https://www.tudelft.nl/en/2018/citg/hadi-hajibeygi-innovative-teaching-talent-2018/>



Technical University of Civil Engineering Bucharest, RO



Solar House EFdeN Signature, Romania's representative at the international Solar Decathlon Middle East competition 2018

EFdeN is the most important Romanian non-governmental organization that develops solar homes for educational and research purposes, along with sustainable products and educational modules for students, specialists and the general public. The volunteer project works on the basis of strategic partnerships and sponsorships.

The team members are students of the **Technical University of Civil Engineering of Bucharest**, "Ion Mincu" University of Architecture and Urbanism, Polytechnic University of Bucharest and Bucharest University.

The EFdeN team designed and built a solar, 100% electric and environmentally friendly home with a high degree of comfort, health and safety for the occupant in order to participate in the international Solar Decathlon Middle East, Dubai this autumn.



EFdeN Team in front of the *Solar House EFdeN Signature*

Solar Decathlon is a competition for universities around the world that are taking place in four geographical regions: Europe, Asia, North America and South America.

The competition involves designing, building and assembling within 10 days a smart, energy efficient and fully equipped solar house.

After the competition each team is judged in 10 samples. These samples are:

1. Architecture
2. Engineering and construction
3. Energy efficiency
4. Balance of electricity
5. Comfort conditions
6. Functioning of the house
7. Communication and social awareness
8. Urban design, transport and accessibility
9. Innovations
10. Sustainability

Romanian NGO EFdeN ranked fourth at Solar Decathlon 2018 competition but has been named *World Champion of Communication* and *Double Vice World Champion at the Engineering and Construction Test and Conditional Comfort Test*. The Romanian team also won 3rd place at the *Sustainability test*.

For three other tests in the competition, EFdeN ranked 4th in *House Functionality, Energy Efficiency and Electricity Transportation*.

The final result and the EFdeN team's prizes at the Solar Decathlon 2018 represents the best performance in the history of Romania's participation in this competition.

Ural Federal University named after the first President of Russia B.N.Yeltsin (UrFU), RU



On 4 – 5 October, 2018, was held in Ekaterinburg, Russia the **IV International Conference «Safety Problems of Civil Engineering Critical Infrastructures» - Safety2018**

The conference continues the traditions of the All-Union (All-Russian) Schools held over 40 years (since 1975) on the safety and reliability of large systems.

The present stage of the world economy development is characterized both by the intensification of the existing ones and the emergence of qualitatively new threats of a different nature, but at the same time of a systemic nature, which sharply intensifies the negative effects of their implementation.

With the increasing complexity of the economy structure the potential damage that may be caused to all of its sectors (industry, agriculture, water and forestry, the financial system, the social unit, etc.) as a result of industrial accidents, disasters, natural disasters, global climate change and others, including extreme socio-political situations, increases. This can lead to systemic disruptions in the work of enterprises and organizations, the functioning of territories and certain vital sectors of the national economy. The threat of systemic risks, cybernetic and terrorist acts is also constantly present.

Conference purpose was integration and coordination of efforts of scientists, experts and specialists in the field of integrated risk analysis related to building interdependent critical infrastructures throughout their life cycle at the international level. Design, fracture mechanics problems, diagnostics, monitoring, maintenance, survivability and optimal management of infrastructure systems issues will be considered in the context of the creation and operation of safe, smart and durable infrastructure systems. Questions of the creation of real conditions and a practical mechanism for an innovative scientific, educational and organizational breakthrough in one of the most important problems of the twenty-first century – safety and sustainable development of cities, regions and worldwide taking into account the human factor. Feedback of such issues on the designing of Master and Postgraduate study programmes.

Conference participants had the opportunity to learn about the current state of theory and practice of applying the concept and methodology of risk analysis to solve various tasks of ensuring safety and quality of life, meet with colleagues and discuss their problems, make a presentation and take part in the discussion.

Conference organizers:

Ural Federal University named after the first President of Russia B.N.Yeltsin (UrFU);

Ural Branch of the Russian Academy of Sciences, Science and Engineering Center "*Reliability and Safety of Large Systems and Machines*" (SEC UB RAS);

Ural Territorial Branch of the Russian Academy of Architecture and Construction Sciences (UTB RAACS) University of Genoa, Italy;

South-Ural State University (SUSU), Chelyabinsk;

National Polytechnic University of Armenia (NPUA);

The European Civil Engineering Education and Training – EUCEET Association.

A special section of the conference **Safety2018** was a coordination meeting on the dissemination and sustainable development activities of the international project ERASMUS+ "*Master Degree for Innovative Technologies in Energy Efficient Construction for Universities and enterprises of the Russian Federation and Armenia*"-MARUEEB, which brought together representatives of Great Britain, Italy, Romania, Lithuania, Slovakia, Armenia.

Conference Proceedings will be published as full articles in English in the peer-reviewed journal "*IOP Conference Series: Materials Science and Engineering (MSE)*", indexed by Scopus.

More information on: <https://safety-sti.urfu.ru/en/>



Photos taken at the coordination meeting on the dissemination and sustainable development activities of the *MARUEEB Erasmus+ project*

ECCE – European Council of Civil Engineers**68th ECCE General Meeting**

22-24 October, 2018

London, UK

PRESS RELEASEAthens, 1st November 2018**Aristodimos (Aris) Chatzidakis, New President
of the European Council of Civil Engineers (ECCE)****Eng. Aris Chatzidakis,**

Aris Chatzidakis is the New President of the European Council of Civil Engineers. He took over Presidency of ECCE on 23rd October 2018, during the 68th ECCE General Meeting, that was held in London, UK. Aris Chatzidakis will serve a three year term for the Period 2018 – 2021. Aris Chatzidakis had been appointed ECCE Vice President/ President Elect on 22nd October 2016, during the 64th ECCE General Meeting in Athens, Greece.

PERSONAL PROFILE

Aris Chatzidakis is a Civil Engineer. He graduated, in 1974, from the National Technical University of Athens. During 1975-1976, he attended the post-graduate course (D.E.A.) “Aménagement du Territoire”, at the Ecole Nationale Supérieure d’Hydraulique, at the University of Grenoble. He speaks English, and can communicate in French and Italian.

As an independent Civil Engineer he has been mainly involved in the structural design and the supervision of many private works, especially multi-storey housing and commercial buildings. He has been involved, as a structural and a geotechnical engineer, in many infrastructure projects such as bridges, road works of art and retaining walls, waste water sanitation installations and the design of dams. He has specialized in the structural analysis and design, for the restoration of traditional buildings and monuments.

He has participated, for many years, as a member and as the 1st Vice President, on the Directing Board, of the Association of Civil Engineers of Greece (ACEG) (1981-2009). For many years, he has also been a member of the National Assembly, of the Technical Chamber of Greece (TCG) and also a member of many of its scientific and professional committees. He has been the Coordinator of the Standing Committee, on the Ministry of Foreign Affairs issues in the international relations division of the

Technical Chamber of Greece for the period 2010-2016. He was member of the group of experts of the TCG dealing with the general Directive 1989/48 and the later 2005/36 and the matters arising for the mobility of engineers and equivalence of diplomas and titles. Since 1986, he has participated at the European Council of Civil Engineers, ECCE, first as a member of the directing board of ACEG and then as a TCG representative. He participated in the Steering committee of ECCE for the general Directive and mobility of engineers. He has also taken part in various occasions in the Greek delegation in the FEANI and ECEC Assembly, and in other occasions such as the 2nd and 3rd European Engineers' Day and the deregulation issues. He is the ECCE representative in the Engineering Association of Mediterranean Countries (EAMC).

He has taught principles of structural analysis and design for the restoration of monuments, at seminars organized by the Technical Chamber of Greece, the Greek Architect's Association and the Greek Civil Engineer's Association. He has participated in congresses, conventions and meetings organized by ICOMOS, the Technical Chamber of Greece, the committee for Medieval Monuments of Rhodes etc., the Earthquake Planning and Protection Organization (EPPO), the Consiglio Nazionale degli Ingegneri and ECCE, in Naples, etc. He has written the book titled «The Masonry Bridges in the Prefecture of Rethymnon», in collaboration with the civil engineer Zoe Evdou, published by the Technical Chamber of Greece / Western Crete Department, in 2003. He has published many articles about the history of constructions and civil engineers. He is also member of the Board of the Organization of the Development of Crete SA and member of Executive Board and Deputy President of EEPO.

New Executive Board of the European Council of Civil Engineers Elected at the 68th ECCE General Meeting



New ECCE ExBo 2018-2021

The General Assembly of the European Council of Civil Engineers (ECCE) has elected a new Executive Board at the ECCE Executive Board Elections that took place on 23rd October 2018 at the 68th ECCE General Meeting in London, U.K.

The composition of the new Executive Board will thereafter be composed of the following persons:

Name	Position	Country
Aris Chatzidakis	President	Greece
Włodzimierz Szymczak	Immediate Past President	Poland
Andreas Brandner	Vice President / President Elect	Austria
Dimitar Natchev	Vice President / Treasurer	Bulgaria
Platonas Stylianou	Executive Board Member	Cyprus
Jose Francisco Saez Rubio	Executive Board Member	Spain
Paul Coughlan	Executive Board Member	U.K.
Helena Endriksone	Executive Board Member	Latvia

68th ECCE General Meeting and Global Engineering Congress



68th ECCE General Meeting participants

The 68th ECCE General Meeting was held on 22nd –23rd October 2018, in London, U.K., hosted by the Institution of Civil Engineers (ICE). This meeting has been held in parallel with the [Global Engineering Congress](#) (GEC) that was organized as part of the ICE 200 bicentenary programme, the 50th anniversary of WFEO and the UK Government's Year of Engineering. The GEC was organized in association with the American Society of Civil Engineers (ASCE), the Canadian Society of Civil Engineers (CSCE), the European Council of Civil Engineers (ECCE) and the Commonwealth Engineers' Council. The GEC and the 68th

ECCE General Meeting have been also marked as the summarizing events of the ECCE initiative to designate the year 2018 as the [European Year of Civil Engineers](#) (EYCE).

The 68th ECCE General Meeting was very well attended by delegations from almost all of the ECCE Member organizations. The meeting was chaired by the ECCE Acting President Wlodzimerz Szymczak. At the beginning of the meeting opening speeches were held by the ECCE Acting President and the Director General and Secretary of ICE Nick Baveystock who referred to the collaboration of ECCE and ICE as well as to the Global Engineering Congress and to the way that Civil Engineers transform lives.

Among the distinguished guests were ICE Director General and Secretary Nick Baveystock, ECCE Honorary President Richard Coackley, ECCE Past President Antonio Adao da Fonseca, ECCE Past President Gerard Baron, ECCE Past President Fernando Branco, WCCE President Carlos Mineiro Aires, WCCE Past President Emilio Colon, ECEC President Crtomir Remec, ECEC Secretary General Klaus Thurriedl, EAMC President Adil Al Hadithi, and EAMC Secretary General Nicola Monda.

During the 68th ECCE General Meeting, ECCE family was increased by one Member. The Ukrainian Council of Civil Engineers (UCCE) was accepted as Full ECCE Member representing Ukraine in ECCE.



ECCE Presidents, From left to right: ECCE President Aris Chatzidakis, ECCE Honorary President Richard Coackley, ECCE Past President Antonio Adao da Fonseca, ECCE Immediate Past President Wlodzimerz Szymczak, ECCE Past President Gerard Baron, ECCE Past President Fernando Branco, ECCE Past President Gorazd Humar

The ECCE Acting President Wlodzimerz Szymczak presented the [ECCE Brief Activity Report June – October 2018](#) describing briefly the ECCE activities since our last meeting in May in Tallinn. As part of the Activity report the President of the Georgian Society of Civil Engineers Iuri Svanidze delivered a short presentation on the [2nd International Conference "Seismic – 2018"](#).



**ECCE Acting President
Włodzimierz Szymczak
during the closing
session of the GEC**

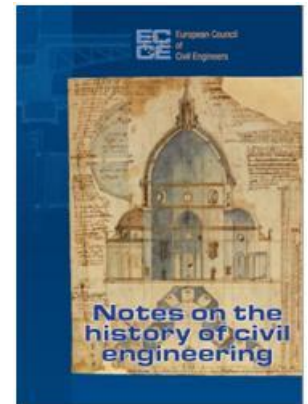
The ECCE Acting President Włodzimierz Szymczak delivered the [summarizing presentation of the ECCE initiative “2018 European Year of Civil Engineers”](#). This presentation was also delivered as the Closing Statement of the European Year of Civil Engineers during the closing session of the 3rd day of the Global Engineering Congress.

One of the highlights of the 68th ECCE General Meeting was the presentation of the new ECCE book “Notes on the history of Civil Engineering” that was prepared as a contribution by ECCE for the European Year of Civil Engineers. The idea was submitted by Platonas Stylianou (National Delegate from Cyprus and current ECCE ExBo Member) a couple of years ago and the book was materialized over the last eight months by the editorial board that was led by Gorazd Humar, Platonas Stylianou and Aris Chatzidakis.

The book was printed in October and the first copies were delivered to the ECCE Members during the 68th ECCE GM. It was dedicated to the 2018 European Year of Civil Engineers and to the 200th Anniversary of the Institution of Civil Engineers. Platonas Stylianou delivered a presentation giving some background information regarding the creation of this book. Gorazd Humar 1st Editor –in–Chief also presented some facts regarding the book “Notes on the history of Civil Engineering”. Both presentations can be found in the following links:

[Platonas Stylianou “...How the project was born, How it all started...”](#)

[Gorazd Humar “Short presentation of the book Notes on the history of Civil Engineering”](#)



Following, the [ECCE Position Paper proposal on “The need for integrating Structural / Seismic Upgrade of Existing Buildings, with Energy Efficiency Improvements”](#) was presented by Platonas Stylianou who submitted the idea of the creation of such Position Paper to the ExBo earlier this year. The initial proposal was discussed within the ECCE ExBo and feedback was provided to Platonas Stylianou. The revised proposal was presented to the ExBo during its meeting in London and was unanimously approved. A coordinating team has been formed and will start elaborating the Position Paper immediately. The main message of this Position Paper would be that safety should be an integral part of the early design of intelligent buildings and not an afterthought.

On the second day of the meeting the day started with the financial topics reports by the ECCE Vice President/ Treasurer Dimitar Natchev. He briefly informed the delegates regarding the financial status of ECCE and he also presented the proposals for the ECCE Subscription Fees for 2019 and the ECCE Budget for 2019. Both proposals were validated by the General Assembly.

Next on the Agenda was the discussion regarding the FEANI initiative Engineers Europe Advisory Group (EEAG). ExBo Member, Andres Piirsalu who represented ECCE in the Stakeholders’ meeting and the Inauguration meeting of EEAG as observer delivered a [presentation regarding the EEAG](#) and how ECCE has been involved in this initiative so far. His recommendation was that ECCE should continue following up the developments in EEAG as an observer.

ECCE Vice President/ President Elect Aris Chatzidakis, delivered a presentation on the [Construction 2020](#) giving some background information regarding this initiative and describing ECCE's involvement and contribution to the High Level Tripartite Forum and the Thematic Group 1 "Stimulating investment in building renovation, infrastructure and innovation".

Then, Andrey Pustovgar, one of the delegates from the Russian Society of Civil Engineers – Moscow Department (RSCE-MD), delivered a presentation about ["The role of civil engineers in achieving sustainable development goals"](#) based on the experience of Moscow.

Afterwards, the ECCE Past President Fernando Branco who is currently the President of the International Association for Bridge and Structural Engineering (IABSE) delivered a [presentation on IABSE](#) presenting the organization, its mission and activities.

Finally, the WCCE Past President Emilio Colon gave a presentation on the latest WCCE General Assembly that was held on 21st September, in Sucre, Bolivia during which [WCCE commemorated the European Year of Civil Engineers](#).

At the end of the meeting, the forthcoming ECCE General Meetings were discussed. The ECCE General Meeting in autumn 2019 will be held in Lisbon, Portugal together with the General Meetings of WCCE and EAMC hosted by the Portuguese Ordem dos Engenheiros. The ECCE General Meeting in autumn 2020 will be held in Sofia, Bulgaria hosted by the Union of Civil Engineers in Bulgaria. Also, proposals have been submitted regarding the spring meetings in 2019 and 2020 from Montenegro and Malta respectively which they will be confirmed in due time.



ECCE New President Aris Chatzidakis during his inaugural speech

The two-year term of office of the ECCE Executive Board 2016-2018 was closed by the ECCE Acting President Wlodzimierz Szymczak who addressed a closing speech to the ECCE delegates stressing the major achievements of ECCE over the past couple of years.

After the elections for the new ECCE Executive Board 2018-2021, the new ECCE President Aris Chatzidakis addressed an inaugural speech expressing his appreciation to the former ECCE President Wlodzimierz Szymczak for the work he has done over the past few years and his intention to continue this work and further develop it for the betterment of the civil engineering profession. At the closing of his speech, ECCE new President Aris Chatzidakis commemorated the deceased ECCE Past President Vassilis Economopoulos who was one of the founding members of ECCE. A photo selection of Vassilis Economopoulos was presented and his widow Anna Papadopoulou who was invited by ECCE to attend this meeting was given the ECCE Book "Notes on the history of civil engineering".

ECCE participated also in the Global Engineering Congress with two speakers. The ECCE New President Aris Chatzidakis was a speaker on the third day of the GEC in the "Energy stream". He delivered a presentation titled ["Sustainable structural design: energy efficiency vs structural efficiency"](#). The main goal of his presentation was to bring up the case of the need for structural safety and integrity of buildings as part of the sustainable structural design. As he quoted "Smart buildings are safe and secure buildings", wanted to get through the message that a holistic approach is necessary when it comes to

the upgrade of an existing building or the design of a new one. The structural safety of a building is a prerequisite for any energy efficiency upgrade interventions that would make a “smart” one.

The ECCE Immediate Past President Wlodzimierz Szymczak also participated as a speaker and moderator of the closing plenary session on the third day of the GEC. He was member of a panel consisting of Sir John Armit, Chair of the UK National Infrastructure Commission and ICE Past President and Emma Howard Boyd, Chair of the UK Environment Agency. His [keynote address was dedicated to the European Year of Civil Engineers](#). In his speech, Szymczak highlighted that activities and initiatives have taken place across Europe throughout 2018 to encourage interest and involvement in civil engineering.

You can read the round-ups of each day of the Global Engineering Congress following this [link](#).

Photographs from the London ECCE events can be downloaded from the links below:

[ECCE ExBo Meeting](#)

[68th ECCE General Meeting](#)

[ECCE Gala Dinner](#)

[ECCE’s participation in the GEC](#)



The European Council of Civil Engineers would like to express its gratitude to the Institution of Civil Engineers for the successful organization of the 68th ECCE General Meeting and the Global Engineering Congress.

FROM PARTNERS

What's new in Brussels - Seminar

1 February, 2019

Brussels, Belgium



The seminar *What's new in Brussels? Recent developments in European policies and programmes* will take place in Brussels on 1 February 2019 and will be predominantly focused on the successor programme of the present Erasmus+ scheme. The legislative procedure to set up Erasmus 2021-2027 is in full swing and 2019 will be the decisive year in shaping the programme.

Amongst other, the seminar will address the following questions:

- how much more money than its predecessor will the programme have? Double, treble as much? And how much of this will higher education get?
- What will the new 'European universities' really look like?
- Will the basic '3--action' structure remain in place?
- Will the programme reach persons usually not benefiting from mobility ('inclusiveness')?
- Will bureaucracy be reduced ('simplification')?
- Will 'international cooperation' with countries outside Europe be further strengthened?

Many highly competent speakers and panellists are from the bodies which create together the new Erasmus, such as EU Commission staff, the European Parliament, national governments and national agencies, amongst others.

More information on: <https://acaevents.events.idloom.com/whats-new-in-brussels>

International Student Congress on New Technologies in Engineering- ICNTE 2019

8-10 May, 2019

Istanbul, Turkey

Maltepe University International Student Congress entitled "*New Technologies in Engineering*" is scheduled for the 8-10 May 2019 at the Marma Otel Istanbul located at the main campus of Maltepe University.



Since 2013, ICNTE has brought students from around the world giving them the opportunity to express and share their research interests and ideas on a variety of important issues in engineering.



The most important feature of the conference is that the speakers will consist of undergraduate, graduate, and Ph.D. students, typically affiliated to engineering programs.

All the students are welcome to be a part of our congress with their articles, dialogues, notes, and further comments. Participants must present at least one paper at the congress.

All accommodation (including hotel fees as well as breakfast, lunch and dinners) is free of charge for participants. Travel expenses (to Turkey and back home) will have to be covered by the participant himself/herself.

IMPORTANT DATES

Abstract Submission Deadline	1 March 2019
Notice of Acceptance	15 March 2019
ICNTE 2019	May 8-9-10, 2019

IMPORTANT NOTICE

There is no registration fee for the Congress.

More information on ICNTE'19 website: <http://www.maltepe.edu.tr/icnte>

2019 EUA-CDE Annual Meeting

The societal dimension of doctoral education

13 - 14 June, 2019

Brescia, Italy



The 2019 Annual Meeting of EUA Council for Doctoral Education (EUA-CDE) entitled "*The societal dimension of doctoral education*" will be hosted by the University of Brescia on 13 and 14 June 2019 in Brescia, Italy.

The meeting will focus on the different ways doctoral education and doctoral candidates relate and contribute to society. This includes topics such as the relations between doctoral education and the SDGs, inter-sectoral mobility and collaboration, citizen science and the link between science communication and doctoral education. The EUA-CDE Annual Meeting will also offer reflections on policies and practices that assist the contribution of doctoral candidates to society and on doctoral education structures in general.

Open to everyone interested in this field, the EUA Council for Doctoral Education (EUA-CDE) invites university members and other stakeholders to take this opportunity to exchange good practices and build new relations with European policy makers, funding organisations and global partners. This event may be of particular interest for academic leaders, doctoral education professionals, doctoral candidates and other research stakeholders.

More information on: info@eua-cde.org.

Celebration of the Twentieth Anniversary of the Bologna Declaration

Rectors and academics are invited to celebrate the Twentieth Anniversary of the Bologna Declaration

24 - 25 June, 2019

Bologna, Italy

In June 1999, Ministers from 29 European countries met in Bologna to sign the “Declaration” which formally gave rise to the Bologna Process.

Today the Bologna Process has grown to comprise the much larger European Higher Education Area (EHEA). This now includes 48 European countries plus the European Commission and numerous consultative members and partners, representing public authorities, higher education institutions, associations, quality assurance agencies, international organizations and other relevant stakeholders.

The Alma Mater Studiorum - Università di Bologna, jointly with the Italian Ministry for Education, Universities and Research, under the aegis of the Observatory of the Magna Charta Universitatum, invite rectors and academics to celebrate the Twentieth Anniversary of the Bologna Declaration. The event "*The Bologna Process goes Global: fundamental values of the EHEA beyond 2020*" will be held in **Bologna on 24 and 25 June 2019**.

Further information: irss@unibo.it; +390512099965

<https://www.unibo.it/en/notice-board/celebration-of-the-twentieth-anniversary-of-the-bologna-declaration>

31st Annual EAIE Conference and Exhibition

24-27 September, 2019

Helsinki, Finlanda



The 31st Annual EAIE Conference and Exhibition in Helsinki, Finland will take place on 24–27 September, 2019 at the Messukeskus Expo and Convention Centre.



Conference theme: encompassing all voices

Finland is a frontrunner in inclusive education. The conference theme *“Encompassing all voices”* is perfectly encapsulated in the country's approach to education for all, including those who might otherwise be marginalised, providing equal access to high-quality learning, and seeking out and incorporating divergent viewpoints into policy and practice. These are the guideposts for working in international higher education today.

Registration dates:

Early bird registration:	22 May to 26 June 2019 (17:00 CEST)
Regular registration:	27 June to 6 September 2019 (17:00 CEST)
Late registration:	9 September to 24 September 2019

More information on: <https://www.eaie.org/helsinki.html>

FORM and FORCE 2019

7-10 October, 2019

Barcelona, Spain



The International Conference FORM and FORCE 2019 will be organized on 7-10 October 2019 in Barcelona, Spain and incorporates:

- the IASS 60th Anniversary Symposium (IASS SYMPOSIUM 2019) and
- the 9th International Conference on Textile Composites and Inflatable Structures (STRUCTURAL MEMBRANES 2019).

Following the customary celebration of the IASS Symposium every ten years in Spain and the Structural Membranes Conference every four years in Barcelona, the organizers have found an outstanding opportunity to merge both communities into a joint international conference that aims to provide a forum for state-of-the-art contributions and fruitful discussion in the broad fields of shell, spatial, tension and inflatable structures.

The conference will cover all aspects related to material, design, computation, construction, maintenance, history, environmental impact and sustainability of shell, spatial, tension and inflatable structures in all fields of application.

In addition to incorporating the Annual Symposium of the International Association for Shell and Spatial Structures (IASS), FORM and FORCE 2019 will be proposed as a Thematic Conference of the European Community on Computational Methods in Applied Sciences (ECCOMAS) and a Special Interest Conference of the International Association for Computational Mechanics (IACM).

The conference topics will include (the list is not exhaustive):

- Conceptual Design
- Computational Form Finding
- Optimization
- Computational Methods for Analysis
- Detailing and Construction
- Damage, Fracture and Fatigue
- Testing Procedures
- Maintenance Techniques
- Advanced Manufacturing
- Advanced and Bio-based Materials
- Environmental Compatibility
- Historical Structures
- Teaching and Education
- Shell Structures
- Tension and Membranes Structures
- Inflatable Structures
- Framed and Lattice Structures
- Gridshells and Bending-Active Structures
- Tensegrity Systems
- Adaptive System
- Deployable and Origami Systems
- Temporary Structures
- Metal Spatial Structures
- Plasticity in Additive Manufactured Materials
- Timber and Bio-based Structures
- Glass Structure
- Applications: shell roofs, shell structures for power technology, masts, and towers, tile vaults, membrane roofs and covers, sails, inflatable pavilions and buildings light-weight bridges, airships and airspace structures inflatable, antennas, high altitude platforms furniture, bio-medicine textiles for clothes, etc.

Important Dates:

Deadline for presenting a one page abstract	January 31, 2019
Acceptance of the contributions	February 28, 2019
Deadline for submitting the full paper (not mandatory)(*)	May 31st, 2019
Deadline for presenting author's registration(**) and early payment	June 30, 2019

Registration and submission of abstracts will be through the web site.

More information on: <https://congress.cimne.com/Formandforce2019/frontal/Registration.asp>

FROM THE EUROPEAN UNION

News from Education, Audiovisual and Culture Executive Agency (EACEA)



Key Action 1 - Erasmus Mundus Joint Master Degrees 2019

Key Action 1: Learning Mobility of Individuals

The announcement of the Erasmus+ Programme [call for proposals 2019 \(EAC/A03/2018\)](#) in all official languages of the EU was published in the Official Journal of the European Union N° C 384/04 on 24/10/2018.

The 2019 annual work programme for the implementation of Erasmus+ assigns a budget of around EUR 160 million (including the credits for additional scholarships for target regions of the world – "Heading 4" and "EDF" budgetary envelopes) and envisages selecting around 46 Erasmus Mundus Joint Master Degrees under this call for proposals.

Deadline, indicative amounts and outputs of the 2019 call for proposals:

Key Action/Activity	KA1-Learning Mobility of Individuals
Action	Erasmus Mundus Joint Master Degrees
Deadline for submitting applications	14/02/2019 - 12:00 CET Midday Brussels time
Indicative total amount allocated(EUR)	160.000.000
Indicative number of selected projects	46

More information on: https://eacea.ec.europa.eu/erasmus-plus/funding/key-action1-erasmus-mundus-joint-master-degrees-2019_en

Forum on the Future of Learning

24 January, 2019

Hotel Crowne Plaza, Brussels



Organised at the initiative of Tibor Navracsics, Commissioner for Education, Culture, Youth and Sport by the European Commission, DG EAC, the event will provide an open platform for exchanges between education, training and youth stakeholders and policymakers.

The main discussions will focus on key issues that education and training will be facing in Europe and beyond until 2030, including the challenges associated to demographics; inclusion and citizenship; technological change and the future of work; digitalisation of society; environmental concerns; and investments, reforms and governance.

The Forum will build on the work of the European Education and Training Expert Panel, which consists of independent experts from across Europe. The Panel members will present their findings on these six

challenges and there will be an opportunity to provide input to the preparation of the new EU education and training cooperation framework beyond 2020. The Forum will also highlight some of the European Union's main initiatives driving forward the future education and training, including non-formal and informal learning, in particular via the Erasmus programme. It will involve plenary sessions, a number of interactive workshops and plenty of networking opportunities

The Forum is invitation-based only, but during the event it will be covered on Erasmus+ social media channels (<https://www.facebook.com/EUErasmusPlusProgramme/>

and <https://twitter.com/EUErasmusPlus>)

More information, including the draft programme, is available online through the event webpage: https://ec.europa.eu/education/events/forum-on-the-future-of-learning_en

European Universities Initiative - Information session

The perfect opportunity to have your questions answered

18th December, 2018

Brussels, Belgium

Following the recent launch of the European Universities Initiative under the 2019 Erasmus+ call, an information session organised by DG Education, Youth, Sport and Culture and EACEA (Education, Culture and Audiovisual Executive Agency) was held on 18th December 2018 in Brussels.



Higher education institutions across Europe have begun imagining what the universities of the future will look like. To better shape the ideas and offer some insights, the information session was the perfect occasion to get first-hand information on the call and to get answers to all the questions asked.

Find out more about the [European Universities Initiative](#) or the [European Education Area](#) more broadly.

https://ec.europa.eu/education/news/universities-initiative-info-session_en

NEWS FROM THE WORLD

CAEE 2019 — 12th Canadian Conference on Earthquake Engineering

17 - 20 June, 2019

Québec City, Canada

The Canadian Association for Earthquake Engineering (CAEE) is proud to announce the 12th Canadian Conference on Earthquake Engineering that will be held in Quebec City, June 17-20, 2019. This is the most important international conference on seismic engineering in Canada and brings together researchers, structural engineers, geotechnical engineers, architects, seismologists and regulatory bodies every four years.



The previous conferences took place in Vancouver (1971), Hamilton (1975), Montreal (1979), Vancouver (1983), Ottawa (1987), Toronto (1991), Montreal (1995), Vancouver (1999), Ottawa (2007), Toronto (2010), and in Victoria (2015). Topics include Seismic hazard, Seismology, Codes and standards, Seismic geotechnical issues, Seismic structural behaviour and design (bridges, buildings, dams, energy transportation lines, ...), Seismic rehabilitation, Seismic mitigation systems, Societal impacts, Risk management, Dam safety, Machine learning applications for seismic reliability of structures and Structural health monitoring.

SCIENTIFIC PROGRAM

The scientific program of the conference spans all scientific, engineering or management fields related to earthquake engineering that can help improving the seismic performance of infrastructures and the resilience of community. The conference aims to bring together researchers, structural engineers, geotechnical engineers, architects, seismologists and regulatory bodies in order to maximize exchanges in the community. Main topics of the conference will be (without being limited to):

- Seismic hazard and Seismology
- Seismic geotechnical issues
- Seismic structural behaviour and design (buildings, bridges, dams, energy transportation lines, etc.)
- Codes and standards

- Seismic rehabilitation
- Seismic mitigation systems
- Dam safety
- Risk Management and Societal impacts
- Machine learning applications for seismic reliability of structures
- Structural Health Monitoring

More information on: <http://www.ccee2019.org/>

**The 17th European Conference on
Soil Mechanics and Geotechnical Engineering**
1-6 September, 2019
Reykjavik, Iceland



The Icelandic Geotechnical Society is pleased to welcome you to the XVII European Conference on Soil Mechanics and Geotechnical Engineering in Reykjavik, Iceland 1st - 6th of September 2019

The theme of the conference: "***Geotechnical Engineering, foundation of the future***" embraces all aspects of geotechnical engineering. Geotechnical engineering is the foundation of current as well as future societies, which both rely on complex civil engineering infrastructures, and call for mitigation of potential geodangers posing threat to these. Geotechnical means and solutions are required to ensure infrastructure safety and sustainable development. Those means are rooted in past experiences enhanced by research and technology of today.

The Venue

Harpa is a new concert hall and conference centre in the heart of Reykjavik, Iceland. This unique architectural gem is situated on the picturesque Reykjavik harbour in the city centre and features stunning views of the surrounding mountains and the North Atlantic Ocean.

More information on: <https://www.ecsmge-2019.com>



HARPA

The Seventh International Conference on Isogeometric Analysis (IGA 2019)

18-20 September, 2019

Munich, Germany



The Seventh International Conference on Isogeometric Analysis (IGA 2019) will be organized in Munich, Germany, on 18-20 September 2019. The first and the second conference of these series were held in Austin (Texas), United States, on 13-15 January 2011 and 8-10 January 2014, the third was held in Norway on 1-3 June 2015, the fourth in La Jolla, California, United States on October 10-12, 2016, the fifth in Pavia, Italy on September 11-13, 2017.

The sixth Thematic Conference on Isogeometric Analysis took place in Austin, USA, on Oct. 10-12, 2018.

The objective of IGA 2019 is to be a meeting place for researchers developing computational methods and scientists and engineers focusing on using Isogeometric methods for addressing challenging applications in science and engineering.

The conference is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) and one of the Special Interest Conferences of the International Association for Computational Mechanics (IACM).

Main Topics

- CAGD and analysis-suitable geometry modeling
- Alternative geometry descriptions and analysis integration
- Mathematics of isogeometric methods
- New isogeometric analysis technologies
- Efficient implementation and software development
- Complex and advanced applications

Important Dates

Deadline for presenting a one page abstract	April 28, 2019
Acceptance of the contributions	May 17, 2019
Deadline for early payment and for speaker registration	May 31, 2019

More information on: <https://congress.cimne.com/IGA2019/frontal/default.asp>

17th African Regional Conference on Soil Mechanics and Geotechnical Engineering (ARCSMGE)

7 – 10 October, 2019
Cape Town, South Africa

The conference will be held in Cape Town, South Africa, from the 7th to 10th October 2019 at the Cape Town International Convention Centre (CTICC).

This event will be preceded by the mid-term Council Meeting of International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE).



The main theme of the 17th ARCSMGE is ***“Innovation and Sustainability in Geotechnics for Developing Africa”***. The theme originates from the fact that Africa as a whole suffers from a pronounced infrastructural deficit when compared to other developed countries and regions.

Key dates & paper submissions

- | | |
|---|------------------|
| • Conference Registration Opens | January 2019 |
| • Sponsorship and Exhibition Bookings Opens | January 2019 |
| • Extended Full Paper Submission Deadline | 31 January 2019 |
| • Feedback and corrections to Authors | 28 February 2019 |
| • Final Paper Submissions | 30 April 2019 |

More information on: <https://www.arc2019.org/>

XVI Asian Regional Conference on Soil Mechanics and Geotechnical Engineering

14 - 18 October, 2019
Taipei, Taiwan

The main theme of the 16ARC is Geotechnique for Sustainable Development and Emerging Market Regions. A number of subjects on modern geotechnical technologies and activities will be covered up to match up the main theme.



The main theme:

SF01 - Soil properties and ground characterization
SF01M: Laboratory model tests and constitutive modeling
SF02 - Engineering geology and rock mechanics
SA03 - Dam, levee, and embankment
SA04 - Slopes and debris flow
SFA05 - Soil dynamics and geotechnical earthquake engineering
SA06 - Underground space and deep excavation
SA07 - Tunneling
SA08 - Foundations
SA09 - Geosynthetics
SA10 - Ground improvement
SA11 - Geoenvironmental engineering
SA12 - Offshore geotechnics
SI13 - Forensic geotechnical engineering
SI14 - Geotechnical risk and reliability
SI15 - Energy geotechnics
SI16 - Geo-education
SI17 - Case history

More information on: <http://www.16arc.org/>

ASCE Convention 2019

9-12 October, 2019

Miami, Florida, USA

Convention Purpose

The American Society of Civil Engineers' (ASCE) Convention is the Society's premiere membership event. It is the single annual opportunity where the entire Society joins together reflecting the diversity that ASCE encompasses. The Convention program is designed to have integrated, multi-cultural, technical, and educational components to meet the needs of the profession.

**Target Audience**

The Convention target audience is leaders in the Civil Engineering profession across all disciplines and levels of experience. Targeted attendees include ASCE members, Institute members, students, younger professionals, and seasoned experts.

The program will follow the convention topics listed and described below. These topics are intended to be used to define a recurring convention program that draws attendees back each year. They are intended to provide benefits to attendees and their employers on an educational and professional level.

CONVENTION TOPICS

State of the Industry and Profession

The presentations on this topic will be given by recognized thought leaders, corporate leaders in engineering, corporate leaders from related fields, Institute leaders, and leaders in engineering education, leaders from cooperating industry organizations, and political leaders.

Professional Development

To help take your career to the next level, topics will provide programming based on the needs of members, engineering firms, and leadership issues to educate and enhance the individual skills and practice of attendees. Potential topics include leadership, project management, value engineering, construction management, risk analysis and management, asset management, marketing, business development, public relations, political advocacy, and ethics.

Multi-disciplinary Technical

This topic is intended to bring together the best of the best from the Institutes' conferences, ASCE conferences and conferences from other professions, multi-discipline issues, innovation, best practices, hot issues, case studies, perspectives from allied professions affecting civil engineers, and new concepts.

Natural & Man-made Disasters

Come and explore disasters and catastrophes from a multi-disciplinary point of view. Sessions within this topic will look at the natural and/or man-made causes, prediction, present codes and standards and suggested revisions, effects, and how to mitigate effects by component or macro approaches.

Strategic Issues / Public Policy

This topic features forums to discuss the progress and direction of public policies and their effect on the profession. Sessions are intended to present current status, drill down on practicable application of policies, and explore many others areas of critical interest to the profession.

Significant Projects

Here ASCE will cover megaprojects and offer multidisciplinary views on the feasibility, planning, design, construction, costs, public process, value, innovation, environmental sustainability, and resiliency of the project discussed.

History & Heritage

Do you know the civil engineering past? Sessions are designed to cover significant civil engineering achievements within the region of the host city or of national importance having appeal for all attendees.

Important Dates

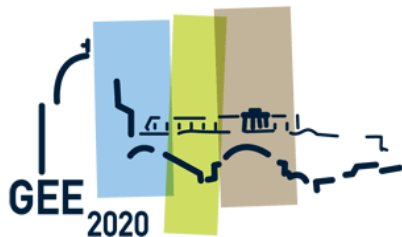
Submissions deadline	10 January 2019
Author notification	15 March 2019
Hotel booking opens	15 May 2019
Registration opens	15 May 2019
Convention starts	9 October 2019

More information on: <https://www.asceconvention.org/about>

Conference Geotechnical Engineering Education 2020

24-25 June, 2020

Athens, Greece



International Conference on Geotechnical Engineering Education

June 24-25, 2020 | Athens, Greece

The Conference **Geotechnical Engineering Education 2020 (GEE2020)** is organized by the Technical Committee [TC306](#) for Geo-Engineering Education of the International Society for Soil Mechanics and Geotechnical Engineering ([ISSMGE](#)), under the auspices of the [Hellenic SSMGE](#) and the [School of Civil Engineering](#) of the National Technical University of Athens.

The International Conferences on Geotechnical Engineering Education are now well established since TC306 took over their organization under the auspices of ISSMGE.

The conference in Athens will be the fifth, after Sinaia, Romania (2000), Constantza, Romania (2008), Galway, Ireland (2012) and Belo Horizonte, Brazil (2016). The proceedings of the 2008, 2012 and 2016 conferences are available through the [Online Library of ISSMGE](#).

Be part of **Shape Shake**
the 5th International Conference on Geotechnical Engineering Education

GEE 2020: Athens, Greece

2016: Belo Horizonte, Brazil

2012: Galway, Ireland

2008: Constantza, Romania

2000: Sinaia, Romania



Iacint Manoliu, 1934-2018



Under the Auspices of



The Conference GEE2020 has two priority [themes](#) (in addition to more typical education themes such as curricula, coursework and educational material) that include:

- (A) two-way interaction between industry and academia for co-production of educational material and curriculum development and
- (B) familiarizing young geotechnical faculty and late-stage PhD candidates with research-based good practices in engineering education. Priority theme (B) will be reinforced by awarding –on a competitive basis– the surplus of the conference to covering the expenses of young geotechnical engineering researchers participating in engineering education conferences.

The organizing committee of GEE2020 plans to set a standard for a “next generation” conference by opening it to remote participants through the internet. Invited presentations and panel discussions will be broadcasted with live streaming. In addition, some key lectures will be videotaped, edited and made available online. The design and the publicity of the conference aim to make it attractive to a critical mass of participants contributing papers and of active attendees. These features, together with publishing the proceedings online immediately after the conference, will maximize its impact.

Themes for paper submission

- **Theme 1 “Curricula: Undergraduate, (Post)Graduate, Doctoral”**
The description of specific geotechnical engineering modules, courses, programs at any level is in essence a case study in education.
- **Theme 2 “Coursework: Laboratory, Field, Project-based, Numerical Methods”**
The description of how we organize any type of coursework is also a case study in education.
- **Theme 3 “Open Resource Educational Material”**
This theme deals with Transferable Educational Material or Reusable Objects (these two terms are used as synonyms) that are developed to be sharable.
- **Theme 4 “Applications of ICT Tools”**
Applications of Information and Communication Technologies (ICT) to geotechnical engineering instruction: for papers with significant emphasis on the technology that do not qualify for Theme 3.
- **Theme 5 “Links to Research on Learning and on Engineering Education”**
Evidence-based instructional interventions, Scholarship of Teaching and Learning (action-based research, where professors investigate the learning in their own classrooms in a scholarly fashion), applications of learning theories to the teaching of geotechnical engineering concepts.

Priority themes for paper submission and panel discussion

- **Priority Theme 1 “Training for Geotechnical Engineering Instructors”**
 - **Sub-Theme A: Professional development support**
Question for panel discussion: Training only for young instructors?
 - **Sub-Theme B: The role of the Engineering Education community**
Questions for panel discussion: How to attract engineering instructors? How to promote discipline-based education research (research on teaching a specific discipline)? How to augment the pedagogical content knowledge of a discipline (increase the “teachability” of a discipline)?
 - **Sub-Theme C: The role of University Teaching and Learning Centers**
Question for panel discussion: How to guide and motivate young instructors to locate and augment the pedagogical knowledge of their own discipline?

- **Priority Theme 2 "Incentives and Opportunities for Industry-Academia Collaboration"**
 - **Sub-Theme A: Involvement of industry in curriculum development**
Question for panel discussion: How can academia better tailor the teaching of geotechnical engineering basics to the needs of the industry?
 - **Sub-Theme B: Involvement of industry in the development of educational material**
Question for panel discussion: How can the industry collaborate with academia to co-produce (a) case study material suitable for undergraduate instruction and (b) geotechnical characterization data suitable for the development of course assignments and projects?
 - **Sub-Theme C: Other joint educational ventures**
Question for panel discussion: Where do the learning needs in university instruction and in industry training overlap?

Key Dates

Call for Abstract Submission Opens	January 15, 2019
Deadline for Submissions of Abstracts	May 15, 2019
Notification of Abstract Acceptance	June 30, 2019
Deadline for Draft Paper Submissions	October 15, 2019
Registration Opens	November 1, 2019
Notification of 1 st review	December 15, 2019
Deadline for submitting 2 nd Draft	January 15, 2020
Notification of acceptance or of 2 nd review	February 15, 2020
Deadline for submitting final paper	March 1, 2020
Deadline for Presenter Registrations	March 15, 2020
Deadline for Early Bird Registrations	May 15, 2020
Congress Dates	June 24 (W) + 25 (Th) 2020

More information on: <https://www.erasmus.gr/microsites/1168>

CALENDAR

Date	Event	Place
11 – 15.02.2019	ASCE Week Panama — A Continuing Education Event	Panama City, Panama



<https://www.asce.org/event/2018/asce-week-international/>

20-22.03. 2019	2019 6 th International Conference on Civil and Urban Engineering (ICCUE 2019)	Leuven, BELGIUM
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<http://www.iccue.org/index.htm>

8 -11.04. 2019	World Construction Forum 2019 - Buildings and Infrastructure Resilience	Ljubljana, SLOVENIA
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<https://www.wcf2019.org/>

Date	Event	Place
01-05.05.2019	ERACON 2019	Paphos, CYPRUS



<http://eracon.info/>

15-16.05.2019	13 th International Conference " <i>Modern Building Materials, Structures and Techniques</i> " (MBMST 2019)	Vilnius, LITHUANIA
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<https://www.conference-service.com/MBMST-2019/welcome.html>

27-29.05.2019	International Conference on Adaptive Modeling and Simulation ADMOS 2019 Welcome to Campello, Alicante!!	Alicante, SPAIN
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<https://congress.cimne.com/admos2019/frontal/default.asp>

Date	Event	Place
01-06.09.2019	17 th European Conference on Soil Mechanics and Geotechnical Engineering	Reykjavik, ICELAND



<https://www.ecsmge-2019.com>

3-5.06.2019	VIII International Conference on Coupled Problems in Science and Engineering	Sitges (Barcelona), SPAIN
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<https://congress.cimne.com/coupled2019/frontal/default.asp>

25-27.06. 2019	Urban Transport 2019	Aveiro, PORTUGAL
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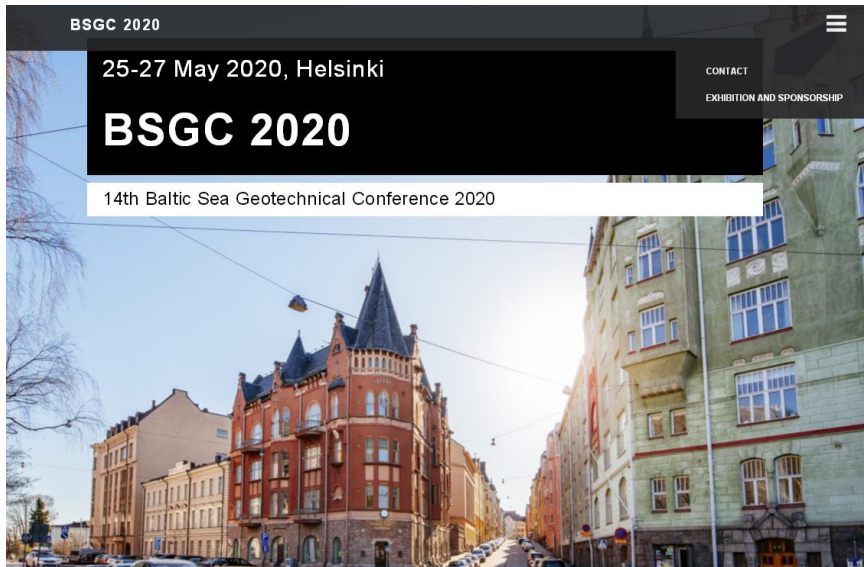
<https://www.wessex.ac.uk/conferences/2019/urban-transport-2019#Introduction-and-Topics>

Date	Event	Place
7-20.11.2019	XVI PANAMERICAN CONFERENCE ON SOIL MECHANICS AND GEOTECHNICAL ENGINEERING	Cancun, MEXIC



<http://panamerican2019mexico.com/panamerican/>

25-27.05 2020	14 th Baltic Sea Geotechnical Conference 2020	Helsinki, FINLAND
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<https://www.ril.fi/en/events/bsgc-2020.html>

24-25.06.2020	Conference Geotechnical Engineering Education 2020 (GEE2020)	Athens, GREECE
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International Conference on
Geotechnical Engineering Education
 June 24-25, 2020 | Athens, Greece

<https://www.erasmus.gr/microsites/1168>