



EUCEET Association

NEWSLETTER 1/2022

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FROM THE EUCEET ASSOCIATION

The 15th General Assembly of the EUCEET Association

The 15th General Assembly of the EUCEET Association will take place on September 30th 2022, kindly hosted by the Polis University (Albania).

About POLIS and Tirana City

Initially, POLIS University was located in the center of Tirana, while in a second phase it moved to a modern campus, in the middle of the metropolitan corridor with the most rapid economic development in the country, which connects Tirana with the International Airport and the port of Durrës.



The campus represents an excellent example of contemporary architecture with public and green spaces, sports spaces and parking and is located 5 km from the city center and has a free morning transport service for students (08:00). There are other economic alternatives for transport, private and local public transport. The university promotes walking, cycling and carpooling. The campus is open 24 hours a day/7 days a week / and all year round - for students and staff. U_POLIS is a smoke-free area, with free wireless internet service. Cultural, social and sports facilities make the university accessible to outsiders, parents, family and friends. The ratio of area per student in m2 is one of the highest in Albania 1:12.

POLIS University is a strategic partner of the Municipality of Tirana and the Ministry of Culture, especially in the fields of interest and for the cultural-intellectual life in the capital. U_POLIS organizes serious international activities such as: "TAW / Tirana Architecture Weeks", and "TDW/Tirana Design Week", or "Earth and Environment Days", etc. The university has a number of laboratories, services, and also functions as a conference center.

For more about the city of Tirana and Albania visit:

<https://www.tirana.al/>

<https://kultura.gov.al/>

<https://www.yellowpagesalbania.com/>

Obituary Prof. Benjamín SUÁREZ ARROYO**In Memoriam: Professor Benjamín Suárez Arroyo (1948 – 2022), by EUCEET Association**

Sad, very sad news those of the disappearance of Benjamín Suárez.

EUCEET alumni are losing a very dear colleague and friend.

He has been one of the organizing members of the EUCEET thematic network since its creation. He has actively participated in the activities of EUCEET I, II and III and of the EUCEET Association of which he was Vice-President.

Benjamín contributed greatly to these bodies, through his intelligence, his involvement, his experience, open-mindedness and deep interest in everything related to education and students.

Charles Péguy said that it is enough to look at a star to plow straight. This is what our dear Benjamín did. He wanted to open up the training so that it was not limited to the scientific, technical and managerial aspects but also humanistic and societal values, to the company and to the international dimensions.

He was demanding in his expectations, tenacious in action, but benevolent and generous.

How many times we felt the need to discuss with him because his opinion was always weighted and thought!

His departure leaves a great void among those who had the chance to share the path of life with him: his family, his friends, his colleagues and his students. But the sadness of this departure should not erase the joy of having known it and recognition for all he has given us.

Marie-Ange Cammarota

Hon. Professor École des ponts (former member of the Administrative Council of EUCEET Association)

Víctor Gómez Frías

Professor U. P. Madrid

In Memoriam: Professor Benjamín Suárez Arroyo (1948 – 2022), by Universitat Politècnica de Catalunya, Barcelona (UPC)

With great sorrow I write these lines on the occasion of the **death of Professor Benjamín Suárez** on the early morning of Monday January 24th, 2022.

Aristotle said that of all gifts, the most valuable is a good friend. And that is what Benjamín has been for me, and I am sure that for all those who have known him well in many parts of Spain and Latin America. People in whom Benjamín has left a deep imprint of friendship and admiration for his many human qualities.

Benjamín has been a great professional in all the fields in which he has participated. His work has been essential in the **creation and progress of CIMNE** (International Center of Numerical Methods in Engineering) during the last 35 years. At the Technical University of Catalonia (UPC) he stood out as an **excellent professor and researcher**, and also as an **outstanding manager** in the direction of the **Barcelona School of Civil Engineering** and in various positions at **UPC and other organizations**, collaborating with universities from different countries. He was Vice-President of EUCET Association from 2010 to 2012.

He was never disconnected from the practical application of his research. He leaded many projects in collaboration with companies, as well as various initiatives related to the transfer of technology to industry.

But **Benjamin's qualities have transcended to the professional field.** Humanity, capacity to mediate in all kind of difficult situations, empathy, emotional intelligence, generosity and availability to help others, have been the signs of his identity that have distinguished him and that all of those who have known him well have appreciated above all.

In recent years, **he has left us one last example of how to deal with an adverse personal situation due to the deterioration of his health**, with undesirable boundary conditions due to the Covid pandemic. His integrity, serenity, and wish to participate in the solution of daily problems during his illness, and up to the last moment, have been extraordinary.

The passage of time will mitigate the pain we now feel, and highlight even further the many virtues of Benjamin. I am sure that his memory will help us overcome the difficulties that we encounter every day in our journey throughout this world.

Thank you so much Benjamin for everything you have contributed to us.

Rest in peace

Eugenio Oñate

Barcelona, January 25th, 2022

Joint Conference of EUCEET Association and AECEF, autumn 2023

European Civil Engineering
Education and Training
Association



Association of European Civil
Engineering Faculties

According to the last AECEF General Assembly and EUCEET General Assembly held in hybrid form on 12th November 2021 in Thessaloniki, Greece there was the intention of organizing a joint conference AECEF-EUCEET in Autumn 2023.

EUCEET Association and AECEF had an open call for organizers of the joint event in Autumn 2023 and all members of the EUCEET Association were invited to send proposals/offers to host the joint Conference.

As a response to the call Prof. Diego Lo Presti informed that the next Joint Conference EUCEET/AECEF will be hosted by the **University of Pisa** (School of Engineering, Department of Energy, System, Territory and Constructions DESTeC and Department of Civil & Industrial Engineering DICI)

The theme of the conference: ***“The role of interactive teaching/learning approaches in the development of soft skills for Civil Engineering Education”***.

Since the Bologna Declaration the Student-Centered Approach has involved the development of Interactive Teaching/Learning methodologies.

Actually, the need for a Green and Digital transition during Covid-Years requires the development of appropriate soft skills and sensibility of future Civil Engineers with respect to so-called SDGs such as: Clean water and sanitation, Affordable and clean energy, Industry, innovation, and infrastructures, Sustainable cities and communities, Climate change. The Conference would offer a forum for discussing and comparing traditional and innovative Teaching/Learning approaches with special concern on soft skill development.

The possible dates at the moment are restricted to the period 19 - 21 October 2023.

More information will be announced in due time.

FROM MEMBERS

Brno University of Technology, Czech Republic



TUBO STATION HAS HELPED MONITOR THE MOVEMENT OF BRNO AND THE ENTIRE CONTINENT FOR 20 YEARS

21 January, 2022

The end of September last year marked two decades since the permanent TUBO station at the Brno Technical University has joined the extensive network of European GPS stations. The abbreviation TUBO refers to the words Technical University of Brno and this station of the Department of Geodesy of the Faculty of Civil Engineering helps surveyors and other experts to measure not only the movements of the Eurasian continent, but also of other tectonic plates. Therefore, it is partly thanks to the TUBO station we know that Brno is moving about 2.5 centimetres northeast every year.

“Geodesy is one of the oldest fields at BUT. It was established a mere year after the civil engineering field itself, i.e. in 1900, when the first students of this course came to school. The field developed significantly during the first republic, when for example, Bohumil Kladivo worked here, who established the first geodetic (gravitational) reference point in Czechoslovakia in the basement of our building A. Gravitational measurements help especially in precise geodetic works,” says Josef Weigel from the Institute of Geodesy at FCE BUT about the history of the field.



Josef Weigel (right) and Jiří Bureš on the roof of the Faculty of Civil Engineering, where TUBO is stationed - Autor: Jan Prokopius

Thanks to the exact position of the TUBO point, determined not only from American GPS satellites, but also from Russian (GLONASS), European (GALILEO) and Asian systems, scientists gain information about the movement of similar “fixed” points on Earth. *“Our point within the European continent moves about 25.8 millimetres each year, i.e. about one inch to the northeast. The altitude of this point practically does not change. The permanent points make it possible to monitor not only the movement of the Eurasian lithospheric plate, but also, for example, the gradual movement of the African plate towards Europe,”* describes Weigel. Today, TUBO is one of the stations in the European EUREF network, which it has joined as the second permanent station in the Czech Republic and the first one based at a university.

Today, virtually everyone has their own small GPS station, either on their mobile phone or in their car. However, these mobile devices do not normally have sufficiently accurate physical and mathematical corrections for satellite data, so they will target a person or a car with maximum accuracy of several metres. Millimetre-accurate data from permanent stations is still needed. *“Surveyors first researched the method itself, increasing the accuracy of the technology, but GPS coordinates are now a common part of almost every phone. Therefore, we are moving towards new uses of localisation, for example in smart agriculture, construction 4.0 or smart production plants. Sensors are now much more accessible, the number of coordinate recipients has increased and data transmission has accelerated. Today, the exact location helps, for example, in the collection of geodata for digital technical maps and drawings in construction, as well as for many other purposes,”* said Jiří Bureš, who, together with other colleagues, ensures the smooth operation of the station.



The fixed station helps surveyors to monitor, for example, the movement of the Earth’s plates - Autor: Jan Prokopius

The TUBO point is part of the network used by the State Administration of Land Surveying and Cadastre, so virtually anyone can access data from the BUT station today, not only students or employees. The information is used by surveyors, but also by professionals in the field of machine navigation, smart agriculture or by surveyors acquiring data for cadastre and construction. Users can download real data or accurate corrections continuously in real time. "We created the first-ever satellite network monitoring geodynamics together with the Polish University in Wrocław, where we studied the changes in the Králický sněžník massif. Even today, geodesy students regularly go to the valley below, re-measuring the points in the area and examining the movement of this massif," Weigel commented on the beginnings of this international cooperation.

You will find geodesy all around us, not only in the mountains, but especially in the Cadastre of Real Estate and on construction sites. Positioning data help, for example, with more accurate drone navigation, in determining the correct shape or axis of elevator shafts in high-rise buildings and much more. "We map caves with the help of scanners in speleology and we prepare materials for information models of buildings. There is also geodetic astronomy, which in turn determines the astronomical coordinates and deviations of the verticals. After all, our astronomical observatory was such the first basis for the establishment of today's Brno Observatory. So you can apply geodesy from the underground all the way up to the space," Bureš described the wide range of surveyors.



The TUBO station is celebrating 20 years of operation this autumn, but geodesy has been taught at BUT for more than a century - Autor: Jan Prokopius

Among the world-renowned experts from this workplace is, for example, Viliam Vátrt, who helped determine the global height of the zero point, which is ideally used to calculate altitudes across the entire planet. Vátrt even has its own constant W_0 ranked next to basic physical constants, such as the speed of light or Newton's gravitational constant. This zero point helps people all over the Earth to correctly determine the height of mountains, changes in ocean levels or the altitude aircrafts. It is also used to match atomic clock data, because even the most accurate clocks measure time slightly differently at different altitudes.

Information from: <https://www.vut.cz/en/but/news-f19528/tubo-station-has-helped-monitor-the-movement-of-brno-and-the-entire-continent-for-20-years-d219498>

École des Ponts ParisTech, France



INTERNATIONAL CONFERENCE "CARBON NEUTRALITY STRATEGY IN REAL ESTATE AND BUILDINGS WORLDWIDE BY 2050

After the success of the first conference, this series of events spearheaded by Ecole des Ponts expands during two stages in April and October 2022.

The objectives of this international conference are:

- At the country and NGO levels: to understand the environmental issues specific to each country and to identify strategic development areas, to analyze the regulatory framework, to identify the economic and legal levers (aid, subsidies, stimulus packages, etc.) to accelerate implementation.
- At the project level: to evaluate solutions combining sustainability over the entire life cycle of the construction work, sustainable performance, accessibility and cost, and to compare the methods of assessment and monitoring of the performance, provide feedback on high impact initiatives.

In this year's agenda, over 50 world-class speakers from 15 countries (USA, Finland, Denmark, Germany, UK, China, India, Austria, Burkina Faso, Russia, Senegal, Colombia...) will take part!

► Free registration link: [click here! https://crm.enpc.fr/community/enpc/custom_forms/245](https://crm.enpc.fr/community/enpc/custom_forms/245)

► For more information: [click here https://crm.enpc.fr/community/enpc/custom_forms/245](https://crm.enpc.fr/community/enpc/custom_forms/245)

University College Dublin, Ireland



University College Dublin
An Coláiste Ollscoile, Baile Átha Cliath

MAKING BUILDING ON SAND A REALISTIC OPTION

21 March, 2022

In the Bible Saint Mathew warns of “the foolish man who built his house on sand”. Dr Michael Long and his colleagues at the UCD-based, Science Foundation Ireland funded Irish Center for Research and Applied Geoscience (iCRAG) are hoping that a project they have recently commenced will overcome such uncertainty. The project explores the potential use of a relatively new approach to ground improvement, making use of either bacteria or enzymes to accelerate the natural process of cementation between grains of sand to increase their strength and load bearing capacity.



Dr Michael Long of the UCD School of Civil Engineering - Photo by Ste Murray

This approach would be significantly more ecologically acceptable than current methods of ground improvement. As well as testing the technique to determine its effectiveness on local Irish soils, the researchers also intend to develop an appropriate testing regime to ensure compliance with Eurocode 7 requirements for building foundations.

“Sand is loose because the grains are not cemented together. If you leave them for long enough, 50,000 years or so, they will eventually turn into sandstone. The purpose of this project is to see if we can accelerate that cementation process by introducing a calcite, calcium carbonate, into the environment to glue the particles together.”

You can read the full case study here: [Making Building on Sand a Realistic Option](#).

Information from: <https://www.ucd.ie/civileng/newsandevents/makingbuildingonsandarealisticoption/>

Ural Federal University (UrFU), Russia



On the eve of the *Russian Science Day* and the *Russian Students Day*, First Deputy Governor of the Sverdlovsk region Alexey Shmykov presented Governor's Prizes to the best university teaching staff of 2021 in the areas of technical, humanitarian, natural and psycho-pedagogical. The prizes are awarded for a great contribution to strengthening the prestige of the Ural higher School, training valuable specialists for the economy of the region. The event took place at the Governor's residence. The Sverdlovsk Region Governor's Prizes have been awarded annually since 2012. Among the prize winners was Head of Department "CAD in Civil Engineering" of UrFU Institute of Civil Engineering and Architecture, **Professor Vladimir Alekhin**, member of the EUCEET Association Administrative Council. He received this high award for the second time.







Photos taken at the Governor's Prizes

The strategic goal of the development of the university is the formation of a Russian scientific, educational and innovative center of international level on the territory of the Ural Federal District. UrFU is called upon to become the core of this center.

Universidade da Coruña, Spain



UNIVERSIDADE DA CORUÑA

6th INTERNATIONAL WORKSHOP ON ROCK PHYSICS **13-16 June, 2022**

The 6th International Workshop on Rock Physics will take place in Coruña, Spain, between the 13 and 16 of June, 2022. This meeting follows the track of the five previously successful encounters held in Golden (USA, 2011), Southampton (UK, 2013), Perth (Australia, 2015), Trondheim (Norway, 2017) and Hong Kong (China, 2019).

The aim of the workshop is to bring together experiences allowing to illustrate, discuss and exchange recent advances in the wide realm of rock physics, including theoretical developments, in situ and laboratory scale experiments as well as digital simulations. While rock physics is at the core of the oil &

gas industry applications, it also plays a significant role in other fields, notably in all those related with the energy transition (e.g. CCS, geothermics), natural resources (e.g. mining) and management (e.g. radwaste).

While the context of the workshop is clear and proved by the previous experiences, that arising from COVID's 19 outbreak has introduced uncertainties and challenges. At the time of writing these words, the worldwide situation has not yet stabilized and evolves on a daily basis. However, there are founded expectations on the imminent development of treatments and eventually a successful vaccine. We feel confident that, in the next months, the situation will settle and the nearly one-year ahead will make us able to make the right decisions.

The fine planning of the workshop is ongoing and a progressive number of news and announcements will proceed from this webpage: We kindly encourage you to stay tuned for the latest novelties!

Taking into account the previous considerations, we have considered that the advice of previous IWRP conveners is a valuable asset in this changing context. Thus, in addition to the *Local* and *Scientific Committees*, we have set up an *Advisory Committee* to assist us with their experience.

A Coruña is a small and pleasant city... an ideal place to exchange science where nobody is a foreigner. We hope to see you soon. In the meanwhile, take care and stay healthy!

Topics

- 1. EXPERIMENTAL ROCK PHYSICS.** New techniques, approaches and applications; Characterization of the static and dynamic properties of rocks and fluids; Multiphysics measurements (NMR, electrical resistivity...); Deep/crustal scale rock physics.
- 2. COUPLED PHENOMENA AND ROCK PROPERTIES: EXPLORING INTERACTIONS.** Anisotropy; Flow and fractures; Temperature effects; Rock-fluid interaction; Fluid and pressure effects on geophysical signatures.
- 3. MODELLING, MACHINE LEARNING AND MULTISCALE APPLICATIONS: FROM THE LAB TO THE FIELD.** Numerical analysis and model development; Data science applications; Upscaling; Microseismicity and earthquakes; Subsurface stresses and tectonic deformations.
- 4. ROCK PHYSICS TEMPLATES: ADVANCES AND APPLICATIONS.** Quantitative assessment; Applications to reservoir characterization (role of seismic wave anisotropy and fracture networks).
- 5. DIGITAL ROCK PHYSICS.** Application of imaging (X-ray CT, X-ray microCT, FIB-SEM, thin sections...) to obtain rock properties.
- 6. THE ENERGY TRANSITION CHALLENGE.** Applications to energy storage (hydrogen storage in porous media), geothermal resources, energy production (gas hydrates, thermosolar), geological utilization and storage of CO₂, nuclear waste disposal.

More information: <https://lameroc.eu/>

FROM PARTNERS

AECEF-Association of European Civil Engineering Faculties



Prizes open

European Commission has opened a New European Bauhaus Prizes 2022, where AECEF is a partner. More information [here](#).

World Engineering Convention 2023

7th World Engineers Convention WEC 2023 will be held in Prague, Czech Republic between 11-13 October 2023 and AECEF makes part of the Honorary Committee represented by President Prof. Nicolaos Theodossiou and by Honorary President Prof. Wiri Vitzany. More information [here](#).

Academic Cooperation Association



Highlights of What's new in Brussels? 2022

The **2022 edition of ACA's flagship seminar – *What's new in Brussels? Recent Developments in European Policies and Programmes*** – took place on 3-4 February in hybrid mode, with most speakers present on-site in a studio in Brussels. This event marks the start of every year for the association since 2004 with a **stocktaking exercise on the Brussels 'talk' and 'walk' in higher education**, welcoming speakers from the European Commission, stakeholder organisations and the voice of the sector, for inspiration and for a thorough reality check.

This year's [programme](#) started with a **focus on the recently launched European Strategy for Universities (ES4U)**, which was largely welcomed by the sector, while several proposals were aired on how to enhance the global dimension of the strategy, what to take on as good practice from the national level developments, and how to bring the strategy closer to the realities of European higher education institutions.

The speakers also zoomed into the **European Universities Initiative**, reflecting on the progress, opportunities and challenges related to implementation, with updates on the full roll-out of the initiative and the current call for proposals. Expectations were further set on the mid-term review of the initiative, with panelists cautioning that an evaluation focused on outputs and outcomes is the only feasible option at this point in time, with a full impact assessment possible only at a much later stage in the implementation of the initiative.

Updates were also provided on the **development of the European Degree** and plans for the **European legal statute**, two of the four flagships of the ES4U, and the related pilot call foreseen for 2022. The set-up of the European Degree is currently planned by the European Commission as a gradual, three-stage process, debuting with the creation of a of European Degree label for joint programmes, followed by work with Member States to further develop the European Degree into a qualification, foreseeing in a third step the integration and implementation of this qualification into national legislation. Stakeholders present at the event emphasized the need to continue the stakeholder dialogue and to clarify the remaining questions around the meaning and feasibility of the European Degree.

The event also provided updates on the work with **micro-credentials**, shared the novelties on the **three key actions of the Erasmus+ programme**, with particular emphasis on blended mobility formats and the bulk of the international dimension of the programme, for which the first calls were now officially launched.

Listen to the event's [main takeaways](#), as summarized by ACA's President, Ulrich Grothus, in the event's closing session.

Information from: <https://aca-secretariat.be/newsletter/highlights-of-whats-new-in-brussels-2022/?titleId=1&articleId=5&edition=2022¤t=1>

Rising international student applications: the latest from Finland, the Netherlands, and the UK

Three countries in Western and Northern Europe – Finland (FI), the Netherlands (NL), and the United Kingdom (UK) – have recently released enrollment figures, showing an upward trend for study admissions (NL, UK) and applications by international students (FI).

The latest student enrollment data published by [Universities of the Netherlands \(VSNU\)](#) for the 2021/22 academic year shows a 4% increase in the total number of **students enrolled at Dutch universities** (340 346), compared to the last year. The **number of international students grew even more significantly (by 14.2%), reaching ca. 80 000 students** enrolled in Bachelor's and Master's programmes. Given the growing student numbers and the declining public funding per capita, Dutch universities advocate for measures to safeguard the quality of the higher education offer (e.g., by introducing caps on the number of non-EEA students per degree programme, or the enrollment quotas for English-language tracks).

[According to the UCAS data released for the 2021 cycle](#), the total **number of undergraduate international applicants in the UK (142 925) decreased by 5% compared to 2020**, whereas the number of accepted applications (70 005) grew by 1%. Overall, the number of applications from outside the EU increased by 12% (111 255), while the accepted applications only increased by 2% (54 030). The number of applicants using the UCAS admission system was particularly on the rise for China (ca. 29 000) and India (8 660). The most substantial proportional increases come from **Nigeria (46.9%)** and **Canada (17.8%)**, with both countries having around 2 400 applicants so far this year. **The number of EU applicants continued to decline in the UK**. For the 2021 cycle, **EU applications (31 670) dropped by 40%** compared to the preceding year, with 50% fewer EU students accepted to the UK first-cycle higher education (16 025).

The [data published by the Finnish National Education Agency \(EDUFI\)](#) offers a glimpse into the near future. EDUFI reported on a record number of applications (32 700) submitted to English-taught study programmes at Finnish higher education institutions during the spring 2022 joint application process. This number increased by approx. 44% compared to the same period last year. Nearly 75% (ca. 24 400) were submitted by non-Finnish applicants, primarily from outside of the EU/EEA (22 500). International applicants mostly originated from Nigeria, Bangladesh, Nepal, and Pakistan. The most popular study fields were business, administration and law, information and communication technologies, and health and welfare. Admission results will be published in spring.

Information from: <https://aca-secretariat.be/newsletter/rising-international-student-applications-the-latest-from-finland-the-netherlands-and-the-uk/?titleId=1&articleId=12&edition=2022¤t=0>

European University Association



Call for contributions: 2022 EUA-CDE Annual Meeting

The EUA Council for Doctoral Education (EUA-CDE) is inviting [proposals for presentations and posters](#) at the 2022 EUA-CDE Annual Meeting. The conference, entitled [“Time and timing in doctoral education”](#), will be hosted by the University of Manchester, UK on 22-24 June 2022.

The deadline to submit proposals is 20 April 2022.

The 2022 EUA-CDE Annual Meeting call for contributions invites members of [EUA-CDE member-universities](#) to submit proposals related to the topic of the event.

This year’s Annual Meeting looks at key topics relating to the issue of time and how time and timing shape key aspects of doctoral education today. Topics addressed during the conference include the duration of a doctorate, time to degree and its relation to funding, and how to ensure that the duration of a doctorate corresponds to the need for completing a high quality research project. Another key topic will be how to organise a doctorate around a timeline and more specifically “when do we offer what”. Other issues will focus on how best to prepare doctoral candidates for their doctoral journey, time management as a key skill, part-time doctorates and the needs of first generation and older doctoral candidates.

To find out more about the scope and topics of the Annual Meeting, please consult [the draft programme](#).

Contributions should be related to the topic of the event. Themes can include, but are not limited to:

- Organisation of doctoral programmes around a timeline
- Supporting doctoral candidates in preparing their doctoral journey
- Duration of the doctorate and dropouts
- Training and implementing time management
- Different demographics such as older or first-generation candidates
- Maintaining contact with doctorate holders after graduation
- Effect of timelines on mental health

For full details on the type of contributions sought and the submission process, please refer to the [full call for contributions](#) and consult [the event webpage](#).

For updates, follow our Twitter channel under @EUACDE and/or subscribe to the [EUA-CDE newsletter](#).

If you have any questions, please write to Ana-Maria Peneoasu at info@eua-cde.org.

[Call for contributions](#)

More information: <https://eua.eu/events/213-2022-eua-cde-annual-meeting.html>

2022 EUA Annual Conference

28-29 April, 2022

Budapest, Hungary

2022 EUA Annual Conference University values: what, why and how? 28-29 April 2022, will be hosted by Budapest University of Technology and Economics, Hungary.

In recent years, many countries have gone through a large-scale, societal reflection on democratic values. For universities, this development implies that particular attention must be paid to safeguarding values such as academic freedom, university autonomy and freedom of expression. In order to remain environments that are defined by openness, freedom of thought and enquiry, and scientific rigour, universities must embrace their societal responsibility, foster a culture of academic integrity and engage in partnerships that both further their strategic objectives and honour their principles and values.

The 2022 EUA Annual Conference will provide a platform to discuss which values shape the missions and strategic objectives of Europe's universities and how these values help to guide their activities. Through plenary and breakout sessions of various formats, including audience participation, the conference will also provide insights into the measures universities can take to ensure that their values are understood and lived individually and collectively. Finally, the event will invite the audience to reflect on and share measures to uphold academic values even in a context of mounting external pressures.

The event will be of interest to institutional leaders (rectors, vice-rectors and heads of administration), higher education researchers and analysts, as well as representatives of other bodies involved in educational policy.

For updates, follow #EUA2022AnnualConf on Twitter and in case of questions, please contact annual-conference@eua.eu.

More information: <https://eua.eu/events/207-2022-eua-annual-conference.html>

EUA Suspends Membership of 12 Russian Universities Following Statement by University Leaders

07 March, 2022

The Russian Union of Rectors (RUR) has issued a [statement](#) (in Russian), which supports the invasion of Ukraine by the Russian Federation. The European University Association (EUA) Board has therefore taken the decision to suspend the membership of those universities whose leaders have signed this statement, as it is diametrically opposed to the European values that they committed to when joining EUA. These 12 universities will remain suspended from EUA until such time as they are once again compliant with European values.

As set out in its recent [Statement on Ukraine](#), EUA condemns the aggression against Ukraine in the strongest possible terms. It advises member universities to ensure on a case-by-case basis that continuation of education and research collaborations with Russian academics remains appropriate at this time, using national and European-level policy guidance to assess this – recognising that many partnerships are based on peer-to-peer relationships and that many Russian academics have spoken out against this invasion, at great personal risk.

Information from: <https://eua.eu/resources/news/842-eua-suspends-membership-of-12-russian-universities-following-statement-by-university-leaders.html>

European Association of Institutions in Higher Education



EURASHE 31ST ANNUAL CONFERENCE NEXT GEN PHE

23-24 May, 2022

Brussels, Belgium

The EURASHE 31st Annual Conference is taking place the 23-24 of May 2022 in Brussels at the EPHEC campus, and those who can't physically attend the event will have the possibility to follow it online. EURASHE would like to have a dynamic conference, with participatory approaches, such as world cafe, breakout rooms and good practice examples.

The Annual Conferences significantly contribute to the professional development of the [members](#) and are therefore vitally important for European professional higher education (PHE).

A EURASHE conference attracts a diversity of delegates – heads of institutions, higher education practitioners, policy-makers, academics and students – from the education community across Europe and

beyond its borders. It is recognised as a communication platform for education experts and professionals and characterised by its innovative and refreshing approach.

The universities of applied sciences' leaders, the entire community of professional higher education, European businesses, public institutions and European students' representatives are invited to attend the Annual Conference to share their experience and learn about trends, models and inspiring practices. The conference will focus on four main topics: Skill relevance, inclusion, digitalisation and innovation.

More information: <https://www.eurashe.eu/events/annual-conference-2022/>

European Society for Engineering Education (SEFI)

CALL FOR PAPERS: SEFI 2022 ANNUAL CONFERENCE

The focus of the conference explores the new scenarios that European alliances of tech universities open up for the future of engineering education.



SEFI

SEFI ANNUAL CONFERENCE
19-22 September 2022
BARCELONA



The UPC and its Institute of Education Sciences have just celebrated 50 years in teaching and education. Therefore, at this 50th SEFI annual conference, the SEFI and the UPC are pleased to invite everyone to participate.

Theme of SEFI 2022 "*Towards a new future in engineering education*", new scenarios that European alliances of tech universities open up.

Conference Tracks

1. Entrepreneurship Education.
2. Artificial Intelligence in Education.
3. Student Engagement. Building Communities and Coordination.
4. Industry and Companies liaison. Regional Involvement and Innovation.
5. Mentorship and Tutorship.
6. Fostering Engineering Education Research.
7. Sustainability. Sustainable Development Goals.
8. Ethics in Engineering Education. Social and Service Learning, Cooperation for Development.
9. Virtual and Remote Labs.
10. Navigating Open Learning Environments (Moodle and others).

11. Mathematics at the heart of Engineering.
12. Physics and Engineering Education.
13. Architecture Education.
14. Challenges of new European Universities (Joint Programmes, Flexible Study Pathways, Student Mobility, Metacampus, Co-teaching, Co-creation with students, ...).
15. Attractiveness of Engineering, Gender and Diversity.
16. Curriculum Development, Engineering Skills, Lifelong Learning. (Including skills and competences, transition to labour market, self-awareness, management of self, creativity and innovation, management competences, employability, competitiveness, professional development, career planning, principles and values).

More information: <https://sefi2022.eu/frontal/default.asp>

European Council of Civil Engineers (ECCE)



74th ECCE General Meeting 14-15 July 2022, Malta

The 74th ECCE General Meeting will be held from 14th – 15th July 2022, in Malta, hosted by the Kamra tal-Periti.

On 13th July the ECCE Executive Board Meeting will take place and the 74th ECCE General Meeting will be held on 14th and 15th July 2022.

More information will be announced soon on the website <http://www.ecceengineers.eu/>.



FROM THE EUROPEAN UNION

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



Become an Erasmus+ Teacher Academy

Schools, teacher education and training institutions, teacher associations and school education ministries from eligible countries can apply from 15 March to 7 September 2022 to become **2022 Erasmus+ Teacher Academies**.

[Find out more about the upcoming 2022 call for proposals.](#)



About Erasmus+ Teacher Academies

The [Erasmus+ Teacher Academies](#) is a new flagship action of the 2021-2027 Erasmus+ programme. The objective of this action is to create European partnerships of teacher education and training providers that will develop the European and international dimensions of teacher education in Europe. These Academies will embrace multilingualism, language awareness and cultural diversity. They will develop teacher education in line with the EU's priorities for education and training policy and contribute to the achievement of the objectives of the European Education Area.

More information: <https://erasmus-plus.ec.europa.eu/programme-guide/part-b/key-action-2/teacher-academies>

New publication! Creative Europe 2014-2020 - Gender Equality, Sustainability And Digitalisation: Cultural Cooperation Projects For A Union That Strives For More

Publication date: 21 February 2022

This new publication gives an overview of how Creative Europe Culture cooperation projects selected from 2014 to 2020 have addressed one or more of the three political priorities of the European Commission (i.e. the European Green deal, Gender equality and a Europe fit for the digital age). The projects that are presented demonstrate how the cultural sector is already fully in line with the political priorities of the Commission, striving towards gender equality, contribution to environmental sustainability and digitalisation.



The proposals concentrate on how arts and cultural activities can offer space for the development of an empowered citizenship and equip the sector with the tools to devise innovative and critical approaches to tackle such issues.

The brochure is available via the link [here](#).

Information from: https://www.eacea.ec.europa.eu/news-events/news/new-publication-creative-europe-2014-2020-gender-equality-sustainability-and-digitalisation-cultural-2022-02-21_en

ARTICLES from journals, newspaper, magazines

Europe must be a safe haven for students and academics

Author: Matteo Vespa

04 March, 2022

The Russian invasion of Ukraine has triggered international condemnation and has also triggered what risks becoming the worst humanitarian crisis on the European continent in 20 years.

The European Students' Union (ESU), together with the Global Student Forum and the Ukrainian Association of Students have **issued a joint statement** condemning the invasion, and many ESU member unions have published their own **statements** against the war.

The response of European civil society has been a big mobilisation across the frontiers to provide help and support to people fleeing Ukraine and to those remaining in the country.

The student unions of the neighbouring states are joining efforts to organise frontline assistance for people fleeing the war.

Across the continent, our members are joining solidarity rallies and organising the sending of humanitarian aid as well as pressuring their governments and collaborating with university leaders to open up higher education institutions to students and academics from Ukraine to allow them to continue their academic lives in Europe.

All of that while staying in constant contact with the Ukrainian Association of Students, which is still operating and supporting students in the country.

All people fleeing the war must be treated equally

ESU, its members and its partners are compiling an **information file** on help for people fleeing Ukraine, which also includes information both on border crossings and help for those who have crossed the border. The document is constantly updated with the latest news and sources of help.

We also need to help the international community of students studying in Ukraine, who find themselves in a foreign country during an armed conflict. Multiple reports of unfair treatment towards international students, especially those from Africa and Asia, are worrying. We condemn any acts of discrimination towards them: all people fleeing the war must be treated equally.

The establishment by the Ukrainian government of an **emergency hotline** for international students wishing to leave Ukraine, as well as **diplomatic assistance** on the European and Ukrainian side are important steps. ESU is in contact with its partners in the Global Student Forum to provide support to international students who need to turn to our unions for assistance.

Enabling academic lives to continue

Since the invasion on 24 February, the United Nations High Commissioner for Refugees **reports that more than one million people have left Ukraine**. The situation needs both emergency management and planning for the medium term.

Several European youth and higher education organisations have come together to **call** for higher education institutions and governments to host and support Ukrainian students and academics. Visa requirements for people fleeing the war must be lifted, places must be found to host students and academics and procedures for recognition of their qualifications must be speeded up and eased.

In neighbouring countries, all the available transport must be provided to take students to hosting universities, as well as all other education institutions, and there needs to be a coordinated approach to the relocation of people from the Ukrainian border.

Furthermore, Ukrainian students already studying in Europe must have their visas, scholarships and study periods extended. The Bulgarian student union **has prepared a series of requests** for support for Ukrainian students studying in their country.

The need for a European scholarship scheme for Ukrainian students and academics is clear: we hope that a similar programme such as the one created for **Belarusian students** will be established soon and that we can learn from the **problems faced by the programme previously**, as reported by the Belarusian Students' Association.

At the same time, after the crises in Belarus, Afghanistan, Ukraine and many more, the need for a **European Students and Researchers at Risk scholarship programme** is more clear than ever so that we are prepared for any future crises.

Future higher education cooperation in Europe

The invasion has thrown into question all the cultural, educational and scientific ties between Russia and Europe that have been created since the end of the Cold War.

Among other measures, **Lithuania has announced** that it is preparing a call to suspend Russia and Belarus from the European Higher Education Area (EHEA). This is also a request echoed by several Ukrainian organisations, **including the Ukrainian Association of Students**.

ESU supports the suspension of Russia and Belarus from the EHEA: in invading Ukraine (in the case of Russia) and providing logistical support to the operation (in the case of Belarus), the two governments have clearly violated all the values upon which the EHEA is based.

At the same time, it is important to avoid the conflict spilling over into teaching and learning, as happened in Italy over the decision by a university to suspend a series of lectures on Fyodor Dostoevsky to 'avoid any polemics in this moment of great tensions'.

It is vital to avoid any discrimination against Belarusian students, many of whom are *de facto* living in exile from their country as well as against Russian students studying in Europe who have little to no say over the decisions of their government.

Considering the rapidly deteriorating civil liberties situation in both countries, the possibility of extending their visas and study periods in Europe should be considered. Europe must be and must remain a safe haven for students and academics.

Matteo Vespa is a member of the executive committee of the European Students' Union (ESU). He represents ESU within the Bologna Follow-Up Group's Working Group on Fundamental Values as well as within the Scholars at Risk International Advisory Committee and the Scholars at Risk European Coordinating Committee for Academic Freedom Advocacy.

Information from: <https://www.universityworldnews.com/post.php?story=20220304064301758>

Universities reach out to African students who escaped Ukraine

Author: Wagdy Sawahel

15 March, 2022

Egyptian students who were studying at Ukrainian universities and have managed to escape the war-torn country will be able to resume their studies in their homeland if they meet the entry requirements of private and national universities.

In addition, several eastern European countries, including Romania, Hungary, Bulgaria, Poland and Serbia, will allow students who were previously studying at Ukrainian universities, including African students, to complete their studies at their universities and higher education institutions. In a Twitter **post**, Attila Demkó, the head of Hungary's Centre for Geopolitics, said: "Hungary is offering [the opportunity] to foreign students (from India, Nigeria and other African countries) who escaped the Ukraine-Russian war to continue their studies at Hungarian universities.

"All third-country refugees (mostly Africans) were accepted without problems and repatriated if they wished so."

Abdisaid Muse Ali, the minister of foreign affairs of Somalia, **tweeted** that Somali students can continue their studies in Hungary and Serbia, following an undertaking from Péter Szijjártó, his Hungarian counterpart, and Nikola Selakovic, the minister of foreign affairs of Serbia.

He said host states will welcome Somali students who wish to continue their studies arriving in Romania, Hungary and Serbia, and Somalia will provide consular services to the students.

Ghanaian medical students have been offered about 250 places at the **Medical University of Hungary** and the **St George's University of Medicine** in Grenada. Seven Egyptian medical students have been offered places at the Kuban State Medical University in Russia.

In addition, **Bulgarian universities** will also open their doors to those who studied in Ukraine, including Ghanaian students.

The Nigerian government has been in talks with the governments of Poland, Greece, Romania and Hungary to enable Nigerian students in their fifth and sixth years of medical studies to complete their studies at universities in these countries.

Study abroad **portals** have also provided a list of medical schools in Europe, including in Poland, Hungary, Bulgaria and Italy, for international students who were enrolled in a Ukrainian university and are looking elsewhere to continue studying for their degrees.

The Afro-German organisation, Deutsch Connect, is offering **free German language courses** for African students who escaped and may want to continue their studies in Germany.

Egyptian students who returned to Egypt

The Egyptian Ministry of Higher Education and Scientific Research formed a committee which set **regulations** that were approved at a 10 March cabinet meeting led by Prime Minister Mostafa Madbouly, according to the cabinet's official Facebook page.

About 3,500 Egyptian students, nearly 4.6% of the total number of international students in Ukraine, mainly studying medicine and engineering, make up the third-biggest group of African students in Ukraine after Morocco and Nigeria, according to Ukraine's Ministry of Education and Science.

In preparation for transferring them to private and national universities in Egypt, the ministry has requested evacuated students to complete an **online form** detailing the courses they were studying in Ukraine, their specialisations, the name of their university, and previous examination results.

How will the placement work?

The Egyptian students will be transferred to universities in Egypt that offer programmes and qualifications similar to what they studied abroad.

Available places at universities will be posted according to the capacity of each university to allow students to be transferred there. For example, **Nile University** has opened its admission for Egyptian and non-Egyptian students who were studying in Ukraine.

The students will apply directly to the university they intend to transfer to. Students will have to submit proof of residence in Ukraine, proof of enrolment in a Ukrainian university in the academic year 2021-22 and a certificate of the degree programmes and their scientific content to determine the academic level.

To accept the transfer of students to practical majors in Egyptian universities, they must pass the courses eligible for these majors in the General Secondary Certificate or equivalent certificates, and the student must submit a high school certificate or equivalent certificate that proves this.

In cases where students are not able to provide supporting documents from their universities in Ukraine within three months of the date of submission, the application will be cancelled.

Students will have to spend at least a full academic year at the university where they are placed.

To determine the academic placement level for medicine and pharmacy fields, they will be evaluated. A central test will take place at the faculties of medicine and pharmacy at Cairo University, and for students of dentistry and engineering at the faculties of dentistry and engineering at Ain Shams University.

Students in other fields of study will also be evaluated by the institutions where they are to continue their studies.

In the event that a student's academic details prove to be false, their documentation will be considered invalid and the student will face legal action.

Students will also be able to apply to branches of foreign universities and institutions that were established by international agreements, according to the admission rules of those universities.

Egypt's Supreme Council of Universities automatically recognises the degrees awarded by **seven Ukrainian universities**.

What do academics say?

Professor Hamed Ead, the director of the Science Heritage Center at Cairo University, welcomed the regulations.

"These are exceptional circumstances that need innovative and out-of-the-box solutions which must protect Egyptian universities' standards and, at the same time, secure the students' academic future, bearing in mind the relaxed **admission requirements** in some Ukrainian universities along with **low-standard universities** that are controlled by the intermediaries and brokers," Ead told *University World News*.

Professor Ahmed El-Gohary, the president of the Egypt-Japan University of Science and Technology, or E-JUST, told *University World News*: "The decision to re-enrol the Egyptian students currently studying in Ukraine is basically a humanitarian one ...

"However, the decision should not violate, by any means, the clear rules set to enrol comparable Egyptian students," El-Gohary said.

"It is very important that everyone should understand that the exceptions that apply in this humanitarian decision is to open the gates to admit students and that there is flexibility for them to submit certificates and proof of study," he added.

"I believe that this system for transferring Egyptian students from Ukraine to Egypt is a very simple model to support African students," he said.

Information from: <https://www.universityworldnews.com/post.php?story=20220315065736746>

Boomtime forecast for Chinese applicants to UK HE by 2030

Author: Nic Mitchell

18 March, 2022

A predicted 50,000 Chinese students will apply to undergraduate courses at United Kingdom universities by 2030, with nearly half of those getting accepted on a programme, according to research findings presented to the 2022 International Higher Education Forum (IHEF) hosted by Universities UK International (UUKi) on 17 March 2022.

The forecast comes in a **new report** from the Australian-based software company, Sinorbis, titled *The Next Boom: How UK universities can benefit from growing Chinese international student demand*.

It is based on market trends, population growth of teenagers in China and the increasing popularity of the UK as a study destination for Chinese students compared with its traditional main rivals of Australia and the United States.

24,000 Chinese entrants by 2030

The report says its prediction of 24,000 first-year entrants on to undergraduate courses at UK universities would mean “a staggering 70% increase from 14,000 Chinese students who were accepted into programmes in 2021”.

The forecast is based on analysing raw data from the Universities and Colleges Admissions Service (UCAS) end of cycle and deadline releases and United Nations population data for China and looking at trends over the past five years regarding where potential study abroad Chinese students are looking to study.

The research was carried out by British-based dataHE for Sinorbis.

Sinorbis has operations in both Sydney and the UK and helps education and businesses engage digitally with Chinese markets.

Jeremy Phillips, who manages its UK partnerships, told the UUKi conference that after years of decline, China’s teenage population was growing and there would be 5% more 18- and 19-year-olds in China by 2030.

He predicted that if market trends continue and there is no unforeseen major geopolitical disruption to UK-China relations, the number of Chinese students coming to the UK to study in the 17- to 25-year-old age group will rise from one in 1,200 at the moment to one in 700 by 2030.

“The UK can look forward to 10,000 more Chinese students coming to study at UK universities by 2030,” he said.

'Get in front of 16 year olds'

For those institutions wanting to grow their Chinese student numbers, Desmond Kohn, head of partnerships at Sinorbis in Sydney in Australia, told the IHEF conference it was vital to get in front of students and their parents at a much earlier age.

"Chinese students are now planning their study journey much further in advance and it is not going to cut it doing a recruitment drive three months prior to admission. They are starting to look at where to study, with their parents, when they are 16 years old."

He said digital channels are the obvious answer, but it is vital to understand what works and what doesn't and understand what your university's presence in China looks like and what kind of content you prioritise. While rankings were still used by many students and parents to narrow down their choice of potential study abroad university destinations, largely because they were one of the few independent reference points easily available in China, other softer factors were now playing a much more important role in the decision-making process.

Not just about rankings

"Of course, rankings are still important, but there are many other factors being considered such as admission criteria and safety concerns and employment opportunities post-study," Kohn said.

He said he often got asked about using TikTok and other digital channels to reach young people in China and answered: "Yes, these are very helpful, but ultimately the foundations of what you need for China are website and WeChat (instant messaging and social app). If you don't have those two things set up, you are invisible for starters."

He said while optimising Chinese search engines was easier said than done, "having a good Chinese website is critical because you want to engage with 16 year olds and their parents for up to two years. It is a long, drawn-out process and it all starts with a digital search".

"Recruiting agents are important, but they are for later, and agents are selling many universities and thinking about their commission. So, you want to have brand awareness first," he added.

Kohn said Chinese students have "an unbelievable acceptance rate" and urged universities to make sure they are reaching the best students and were ready to answer last minute questions, such as what are the alternatives to the expensive student accommodation being offered to them. "That can make a big difference to where they will end up studying."

UK has taken a firm lead

The new report from Sinorbis and dataHE says that even before the COVID-19 pandemic, the UK was on track to become the most popular overseas study destination for Chinese students, and since the pandemic it has taken a firm lead, according to their surveys of Chinese students.

While recommending UK universities don't become complacent, the report says that "the UK's relatively speedy vaccination rollout is well perceived in China" and that Chinese students are concerned about "a host country's friendly relationship with China", which has worked in the UK's favour and against major rival study destinations, especially the United States and Australia.

During the debate following the presentation by Sinorbis, delegates asked about HESA (Higher Education Statistics Agency) data showing 83% of Chinese students studying at the top-ranking Russell Group universities in the UK.

Andrew Hargreaves, co-founder of dataHE, said that, due to the firewall restricting internet access in China, rankings were one of the few readily available information sources about the relative quality of different universities abroad.

"However, it is interesting that five of the top UK universities for recruiting Chinese students are outside the Russell Group. What are they doing to be so successful? That's what you should be asking," he suggested.

Nic Mitchell is a UK-based freelance journalist and PR consultant specialising in European and international higher education. He blogs at www.delacourcommunications.com

Information from: <https://www.universityworldnews.com/post.php?story=2022031812272290>

Career outcomes undermine value of studying abroad in US

Author: Nathan M Greenfield

18 March, 2022

While 84% of international students would recommend that their friends and peers in their home countries go to the United States for university, less than half think that the cost of higher education was justified from a career perspective, says a new study, "Is studying in the US worth it?", conducted by Anna Eskai-Smith, co-founder of Education Rethink, in collaboration with Interstride, an interactive information portal designed to support international students in their career search and and with immigration.

"What was most striking about our study was the discovery of a 'value gap' between the value that students see in their US study abroad experience and the tangible value they get in terms of career outcomes," said Esaki-Smith.

"When asked from a career perspective if the value of a US education justified the cost – and tuition charges in the US are among the highest in the world – the survey respondents were much more circumspect," she said.

The **study** found that only 49% of the 1,087 students from 108 countries enrolled in more than 125 colleges and universities believed that these schools prepared them to enter the American job market. About 20% were unsure, while 29% did not believe the colleges and universities prepared them for the job market, especially given high tuition costs they incurred by studying in the United States.

Undergraduate tuition and fees for international students at Arizona State University in Phoenix, for example, at which the largest group of students (72) surveyed study, are US\$36,699, while at Duke University in Durham, North Carolina, they are more than US\$57,000.

The study found that students' disappointment stemmed from the fact that, while 72% of international students chose to study in the US either to work in the country for a few years after graduation or indefinitely, only 22% found that their universities or colleges helped them achieve this goal.

By contrast, almost 30% reported that they had to rely on personal connections such as friends and family. Almost a quarter reported: "I mostly [had to] do everything myself" in navigating entry into the American job market.

International students were especially critical of their school's career centre. Fully 51% said they do not have either job listings appropriate for international students or connections with US employers who will hire international students.

Another 5% said the career centres did not have information about securing work visas.

Only 18% reported that the career centres helped international students secure Optional Practical Training (OPT) status, which allows international students to remain in the country and work for one year.

Unlike Canada, which many international students pick because getting a job out of university is easier there and it is easier to establish themselves as citizens than in the US (and the United Kingdom), Esaki-Smith noted, the pathways to employment and citizenship are much more limited in the United States.

"OPT is an option for students who study in certain subjects such as STEM [science, technology, engineering and mathematics]. But beyond that the challenges for international students to secure employment are real and really formidable," she said.

Biggest obstacles

The survey allowed for students to indicate what their "biggest obstacle" was. Among the answers was one that spoke of difficulties in making "genuine professional relationships or connections [on] LinkedIn". Another pointed to the difficulty of "Adapt[ing] my speech for what is expected in interviews". Still another noted the difficulties of "fostering a connection when no cultural similarities are present".

This difficulty in networking points to a gap between expectations international students have when they come to study in the United States and the reality of what is needed to be successful off campus in the competitive American job market, Esaki-Smith told *University World News*.

“I think those types of issues should be messaged by universities to students before they come to the United States,” said Esaki-Smith.

“I don’t think it’s going to deter students because they come to the United States for a lot of reasons. And one of them is the fact that there are universities in the United States that are so well branded.

“It won’t deter them [from coming], but more information, more clear messaging [about what is required to succeed in the job market] is good for all parties. I think managing expectations is a good thing: full stop.”

Information from: <https://www.universityworldnews.com/post.php?story=20220318100546951>

NEWS FROM THE WORLD

7th International Conference on Civil Engineering and Materials Science (ICCEMS 2022)

15 - 18 April, 2022

Chiba University, Chiba, Japan



The 7th International Conference on Civil Engineering and Materials Science (ICCEMS 2022) will be held from April 15 to 18, 2022 in Chiba University, Chiba, Japan and is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, applied Civil Engineering and Materials Science. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world.

ICCEMS will bring together the researchers from countries and regions around the world to exchange their research results and address open issues in civil engineering and materials science. It is one of the leading international conferences for presenting novel and fundamental advances in the fields of civil engineering and materials science. ICCEMS 2022 will provide a comfortable, pleasant conference atmosphere for every attendee.

Topics of interest for submission include, but are not limited to:

Civil and Structural Engineering

- Bridge Engineering
- Building Structure and Bridge Engineering
- Coastal Engineering
- Computational Mechanics
- Concrete Structures
- Geological Engineering
- Geotechnical Engineering
- Hydraulic Engineering
- Material Quality and Control

Metallic Structures
Monitoring and Control Of Structures
Reliability and Durability of Structures
Structural Analysis and Design
Structural Rehabilitation, Retrofitting and Strengthening

Materials Science and Engineering

Biomaterials
Biomedical manufacturing
Casting and solidification
Characterisation
Coatings and surface engineering
Composite materials
Computer-aided design, manufacturing, and engineering
Environmentally sustainable manufacturing processes and systems
Functional Materials and Devices
Joining processes
Laser based manufacturing
Machining
Manufacturing process planning and scheduling
Materials behavior
Materials forming
Meso/micro manufacturing equipment and processes
Metrology and measurement
Modeling, analysis, and simulation of manufacturing processes
Modelling and Simulation
Nanofabrication, nanometrology and applications
Nanomaterials and nanomanufacturing
Nontraditional manufacturing
Powder metallurgy and ceramic forming
Precision molding processes
Rapid manufacturing technologies
Semiconductor materials manufacturing
Structural Materials
Surface, subsurface, and interface phenomena

Notice: The ICCEMS conference Organizing Committee remains vigilant in monitoring the COVID-19 pandemic. ICCEMS 2022 is planned as a hybrid format with both onsite and virtual options that will allow participants who, for a variety of reasons, may not be able to join the in-person conference in Chiba, Japan.

More information: <http://www.iccem.org/>

ICACE 2022 - The Fifth International Conference on Architecture and Civil Engineering (ACE 2022)

13 - 14 June, 2022

Macau, China

The Fifth International Conference on Architecture and Civil Engineering (ACE 2022) will be held on June 13 - 14, 2022 at Macau, China and provides a chance for academic and industry professionals to discuss recent progress in the area of Architecture and Civil Engineering.



ACE 2022 will be the most comprehensive conference focused on the various aspects of advances in Architecture and Civil Engineering. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects Architecture and Civil Engineering. All papers accepted and registered will be included in STEM Proceedings and selected papers will be included in SCOPUS and EI journals.

Topics of Conference

- The main topics include but will not be limited to:
- Advanced Computing in Civil Building and Urban Engineering
- Advanced technology on building and infrastructure rehabilitation technique
- Architecture & Urban planning
- Assessment of Building and Infrastructure performance
- Augmented and Virtual Reality for Civil and Building Engineering
- Building and Infrastructure Rehabilitation and Maintenance
- Building Materials and Structures
- Building Renovation and Energy Efficiency
- Coastal and Harbor Engineering
- Computational Mechanics
- Computational Methods in Civil Engineering
- Computer Simulation for Civil and Building Engineering
- Computer Supported Collaborative Design and Construction
- Computer-Aided Design, Construction and Management
- Computer-Aided Education and Training

- Computer-based Monitoring and Maintenance of Infrastructure
- Computer-based Structural Control
- Computing for Conceptual Design
- Construction Education
- Construction Planning Control and Risk Management
- Construction Simulation Visualization and Product Modeling
- Constructions technology economy and management
- Contracting and Legal Issues
- Data Sensing and Analysis
- Decision Support Systems
- Digital processing for historic building rehabilitation and maintenance
- Disaster Preparedness Response and Recovery with IT
- Distributed Computing in Engineering
- Earthquake Engineering
- Environmentally Sustainable Design and Construction
- Fire Protection Thermoinsulation and Renovation of Buildings
- Geomatics Engineering
- Geotechnical Engineering
- GIS for Civil Building and Urban Engineering
- High-rise and Underground Building Engineering
- History of Civil Engineering
- Human Computer Interaction and Graphics
- Hydraulic Engineering
- Hydrotechnical engineering
- Image Processing
- Information Technologies and Ecology
- Information Technologies in Construction
- Information Technologies in Transport Engineering
- Infrastructure Management
- Intelligent Construction Site
- Knowledge Management and Information Technology
- Labor Safety in Construction
- Management on building and infrastructure maintenance
- Multi-Agents Systems
- Organizational and Labor Issues
- Process Modeling and Simulation
- Product Modeling and Simulation
- Road & Bridge Engineering
- Smart Building and Smart City
- Smart Material for Building and Infrastructure Repair
- Structural Engineering
- Structural Health Monitoring System
- Structural Mechanics and Physics
- Supervision and Control of Maintenance and Repair Strategy
- Testing and Inspection

- Transportation Engineering
- Urban Engineering and Economy
- Wind Engineering

Important Dates

CATEGORY	END DATE
Paper Submission	04 - May - 2022
Acceptance Notification	Continuous Process
Early Bird Paper/Poster/Listener Registration	30 - April - 2022
Author Registration	14 - May - 2022
CRC & Copyright Submission	14 - May - 2022
Listener Registration	14 - May - 2022
Conference Start	13 - June - 2022
Conference End	14 - June - 2022

More information: <https://stemconferences.com/icace/index.html>

10th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground

27 - 29 June, 2022

Cambridge, United Kingdom

Conference Themes

The themes for the Cambridge symposium, in line with the terms of reference of Technical Committee TC204, are as below.

The Conference will attract an international audience of academics and practitioners. Presenters will be encouraged to highlight the theoretical insights and practical implications to a multi-disciplinary audience that is attracted to new, transformative ideas.



The first two days of the symposium will consist of technical sessions with presentations of General Reports and individual papers.

The third day will be dedicated to the technical visit to the work sites of the new Thames Tideway Tunnel project, which will be under construction at the time of the symposium. Delegates joining the technical visit will enjoy a memorable trip to the project on a privately chartered boat on the River Thames in the heart of London.

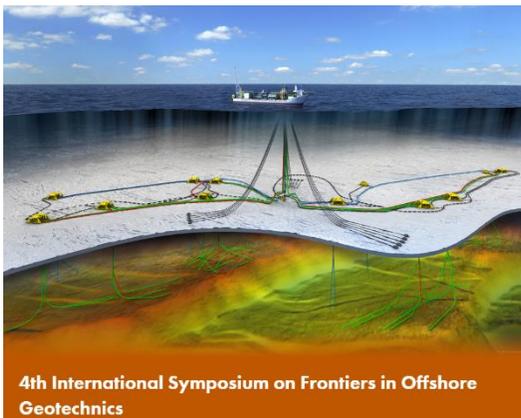
Topics

- Field case studies
- Physical and numerical modelling of tunnels and deep excavations in soft ground
- The effect of underground construction activities on existing structures
- Design and application of ground improvement for underground construction

Sensing technologies and monitoring for underground construction in soft ground
Ground movements, interaction with existing structures and mitigation measures
Seismic response of underground infrastructure in soft ground

More information: <https://www.is-cambridge2020.eng.cam.ac.uk/>

ISFOG 2020 — 4th International Symposium on Frontiers in Offshore Geotechnics
28 - 31 August, 2022
Austin, United States



The fourth ISFOG event will be managed by the Geo-Institute of the American Society of Civil Engineers and the Deep Foundations Institute, held under the auspices of the ISSMGE Technical Committee 209 on Offshore Geotechnics, and will host the fifth McClelland Lecture.

It will strive to continue providing a specialist forum for practitioners and academics to share solutions and new ideas that address the dynamic challenges of working in offshore design and installation.

ISFOG 2020 will highlight emerging technologies related to data science and also emphasize the recent surge in offshore renewables development, both domestically in the United States and globally. Other growing areas of interest include performance-based design and addressing the challenges of an ageing offshore infrastructure, whether it be extending the operating life of these structures or solving the challenges and opportunities related to their decommissioning.

Call for Abstracts

Prospective authors are invited to submit abstracts for papers up to 300 words, which should include the title of the article, name(s) and affiliation(s) of the author(s), postal and electronic addresses, and at least three keywords. In addition, proposals for symposium content related to short courses, workshops, and panel sessions are also encouraged. These proposals should include a concise description of the content and contact information for the organizers.

Themes

Submissions are invited addressing Frontiers in Offshore Geotechnics related to the following topics:

Site Characterization: geotechnical testing and modelling, integrated studies, geohazards, sediment mobility and scour

Offshore Oil, Gas and Wind Energy Facilities: foundations, monopiles, jack-ups, moorings, anchors, pipelines, risers, wells, cables, subsea systems, numerical modelling, case studies, cyclic loading

Alternative Energy and Other Ocean and Marine Resources: wind, wave, tidal, current, thermal, gas hydrate, seafloor mining, aquaculture

Life Extension and Decommissioning: fitness for service, foundation extraction, rigs to reefs, asset integrity, repurposing and reuse

Disruptive Technologies: sensing, monitoring, intelligent systems, artificial intelligence, and machine learning

Design Methodologies: performance-based/ whole-life/risk-based design and reliability

Rules, Standards and Regulations: updates to existing design codes, development of new guidance.

More information: <https://www.isfog2020.org/>

9th International Conference on Civil and Urban Engineering (ICCUE 2022)

2-5 September, 2022

Beijing, China



The 2022 9th International Conference on Civil and Urban Engineering (ICCUE 2022) is the premier forum for the presentation of technological advances and research results in the fields of Civil and Urban Engineering. ICCUE 2022 will bring together leading engineers and scientists in Civil and Urban Engineering from around the world and will be held in **Beijing, China** during **September 2-5, 2022**.

The aim objective of the **2022 9th International Conference on Civil and Urban Engineering (ICCUE 2022)** is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Civil and Urban Engineering.

Topics of interest for submission include, but are not limited to:

Civil and Urban Engineering

Structural & Construction Engineering

Road & Bridge Engineering

Geotechnical Engineering

Hydraulic Engineering

Coastal Engineering

Earthquake Engineering
 Materials Engineering
 Engineering Management
 Surveying Computing in Civil Engineering

Architecture and Urban Planning

Architectural Design and Theories
 Theories of Architecture
 Urban Planning and Design
 Building Technology Science
 Art Design and Landscape Architecture
 Aesthetics and Landscape Energy
 Conservation and Equipment
 Construction and Renewable Energy Sources
 Ecological Construction and Intelligent Control
 Sustainable infrastructure

Environmental Engineering

Environmental Science and Health
 Environment and Social Development
 Environment and Economic Restructuring
 Environment and Pollution Cost
 Environmental Clean Technology
 Environment and Climate Change
 Water supply and Sewage Processing
 Green Construction & Environmental Protection

Transportation Engineering

Acquisition, Processing and Publishing of Traffic Information
 Traffic Guidance and Forecast
 Urban Traffic Control and Congestion Pricing
 Vehicle Safety and Emissions
 Pattern Recognition and Image Processing
 Modeling and Simulation of Transportation System
 Automatic Incident Detection and Emergency Response
 Three-dimensional Transportation System
 Intelligent Transportation and Logistics

Important Dates

- Submission Deadline May 5, 2022
- Notification Date May 25, 2022
- Registration Deadline June 5, 2022
- Conference Dates September, 2-5, 2022

More information: <http://www.iccue.org/index.htm>

ICCEN 2022 — The 10th International Conference on Civil Engineering

23 - 25 September, 2022

Singapore, Singapore



The 10th International Conference on Civil Engineering (ICCEN 2022) will be held during September 23-25, 2022 in Singapore. ICCEN 2022 is sponsored by Hong Kong Chemical, Biological & Environmental Engineering Society and Environment(HKCBEES) and Agriculture Society (EAS), supported by the Beijing CAS Industrial Energy and Environment Technology Institute (BIEET).

ICCEN is originated from 2012. As annual conference, it has been held in various cities all around the world including Paris, Siville, Queensland, Sydney, Auckland, Mauritiusa, Stockholm, Chengdu. On behalf of the Organizing Committee, you are warmly welcomed to join the conference with roles as scientist, engineer or technician, graduate student, etc. It is one of the leading international conferences for presenting novel and fundamental advances in the field of Civil Engineering. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Civil Engineering related techniques.

Topics:

- Architecture and Urban Planning;
- Architectural Design and Theories;
- Theories of Architecture;
- Urban Planning and Design;
- Building Technology Science;
- Transportation Engineering;
- Acquisition Processing and Publishing of Traffic Information;
- Traffic Guidance and Forecast;
- Urban Traffic Control and Congestion Pricing;
- Vehicle Safety and Emissions.

Important date

Submission Deadline	Before May 30, 2022
Notification	Before June 15, 2022
Registration Dealine	Before June 25, 2022
Conference Dates	Sept. 23-25, 2022

Submission method

- Online Submission System: <http://confsys.iconf.org/submission/iccen2022>
- Email: iccen@cbees.org

More information: <http://www.iccen.org/>

World Engineering Education Forum (WEEF) & Global Engineering Dean's Council (GEDC) & African Engineering Education Association (AEEA) conference

28 November - 01 December, 2022

Cape Town, South Africa



IFEES and GEDC is partnering with AEEA to present the WEEF & GEDC 2022 conference and events. The educators, students, engineers and industry representatives are invited to engage in meaningful conversations around the future of engineering education globally. This year the conference is specifically focus on how we have adapted to the global disruption brought about by the Covid-19 pandemic, looking at this topic from the perspective of meeting the challenges with integrative, holistic, and sustainable engineering and engineering education practice.

Conference theme: *Adapting to Global Disruption - meeting the challenge with integrative, holistic, and sustainable engineering.*

The theme of the conference has been broadly arranged under sub-themes *integrative*, *holistic*, and *sustainable*, leading to questions like:

1. How can we *integrate* our diverse global environments within engineering education, to build more resilient and sustainable learning environments for all?
2. How do the systemic, cognitive, and affective aspects of our daily experiences coordinate to provide a *holistic* and humanising approach to engineering and engineering education?
3. How can we leverage our communities to meet the global challenges and rapidly changing environments with *sustainable* solutions?

Topics of interest include but are not limited to the following:

- Diversity and Inclusion in Engineering Education
- Industry and Engineering Education
- Development of Engineering Educators
- Student and lecturer well-being
- Future of Engineering and Engineering Education

Proceedings: All peer-reviewed accepted full papers will be submitted to IEEE Xplore for publication as part of the conference proceedings.

Abstract submission: Submissions of high quality abstracts, in line with the theme of the conference may be submitted via ConfTool. Please take note of the guidelines for the abstracts to ensure that your submission meets the requirements.

Abstract guidelines: <https://weefgedc2022.org/abstract-submissions/>

Abstract submission portal: <https://www.confTool.org/weefgedc2022>

Full paper submissions: Following the review of the abstracts, authors of suitable abstracts will be invited to submit a full paper. All the conference papers will be double-blind reviewed by an international team of engineering education research experts.

For general enquiries, including information about sponsorship packages, please email Conference Operations Chair: Ms Managa Devar at info@weefgedc2022.org

For enquiries related to the technical programme, please email Technical Programme Chair: Deborah Blaine at tpc@weefgedc2022.org

More information: <https://weefgedc2022.org/>

CALENDAR

Date	Event	Place
15-18.04. 2022	7 th International Conference on Civil Engineering and Materials Science (ICCEMS 2022)	Chiba, JAPAN



<http://www.iccem.org/index.html>

13-14.06. 2022	ICACE 2022 - The Fifth International Conference on Architecture and Civil Engineering (ACE 2022)	Macau, CHINA
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<https://stemconferences.com/icace/index.html>

27 – 29.06. 2022	10th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground	Cambridge, UNITED KINGDOM
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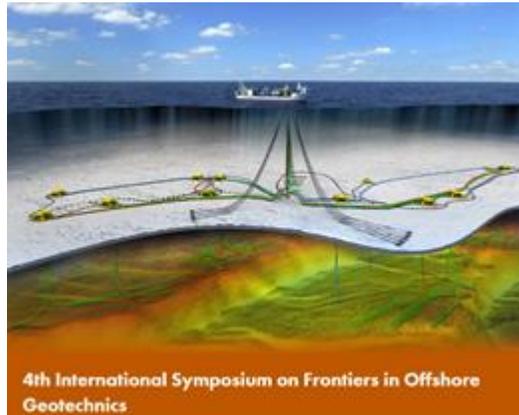
<https://www.is-cambridge2020.eng.cam.ac.uk/>

Date	Event	Place
11-15.07.2022	11 th International Conference on Bridge Maintenance, Safety and Management - IABMAS 2022	Barcelona, SPAIN



<https://congress.cimne.com/IABMAS2022/frontal/default.asp>

28 – 31.08. 2022	ISFOG 2020 — 4th International Symposium on Frontiers in Offshore Geotechnics	Austin, UNITED STATES
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<https://www.isfog2020.org/>

02-05.09.2022	9th International Conference on Civil and Urban Engineering (ICCUE 2022)	Beijing, CHINA
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<http://www.iccue.org/index.htm>

Date	Event	Place
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04-09.09.2022	Third European Conference on Earthquake Engineering and Seismology (3ECEES)	Bucharest, ROMANIA
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<https://3ceees.ro/conference/>

23 – 25.09.2022	ICCEN 2022 — The 10th International Conference on Civil Engineering	Singapore, SINGAPORE
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<http://www.iccen.org/>

30.09.2022	The 15 th General Assembly of the EUCEET Association	Tirana, ALBANIA
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<http://www.euceet.eu/events/euceet.php?id=8>

28.11–01.12.2022	World Engineering Education Forum (WEEF) & Global Engineering Dean's Council (GEDC) & African Engineering Education Association (AEEA) conference	Cape Town, South AFRICA
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<https://weefgedc2022.org/>