



EUCEET Association

NEWSLETTER 2/2019

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FROM THE EUCEET ASSOCIATION

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 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 la 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

FROM MEMBERS

École des Ponts ParisTech, FR



ROF ROGER FRANK NAMED REFERENT TO THE SCIENTIFIC INTEGRITY OF ECOLE DES PONTS

May 10, 2019



Sophie Mougard, Director of École des Ponts ParisTech, has appointed Prof. Roger Frank as referent of Scientific Integrity at the Ecole des Ponts, starting with January 1, 2019.

Roger Frank is Honorary Professor at École des Ponts ParisTech and Director of Research emeritus at the Navier Laboratory (geotechnical team - Cermes). He was also President of EUCEET Association (2008-2010).

Ecole des Ponts has always attached the highest importance to scientific ethics and scientific integrity. In this regard, the school recently joined the National Charter of Research Ethics from January 26, 2015, developed by the CNRS and many other French research organizations.

The École des Ponts ParisTech therefore considers it necessary to appoint a referent for scientific integrity in order to assist in the implementation of the charter and the resolution of any problems related to this integrity. Scientific integrity must concerns all actors involved in the Ecole des Ponts's research activities: researchers, PhD students, engineers, technicians, support and support staff. For the Ecole des Ponts, it is not only about giving credit to its scientific output, but also to ensure a relationship of trust between it, its researchers and society.

Creation of a specialized master "*Management of energy projects*"

May 16, 2019

The Specialized Master "*Management of Energy Projects*", accredited by the Conference of Grandes Ecoles, will welcome its first promotion in September 2019. Its objective is to train project directors, their direct collaborators and the many contributors to the

various components of various energy projects : from design to operation (hydropower plants, solar farms and wind turbines, electrical or heat networks, etc.).



The world of energy is currently undergoing major technical, economic, environmental and societal changes. These include the emergence of renewable energies and new uses such as electric mobility, new information and communication technologies, the emergence of new business models, or policies to combat climate change and deregulation. All these upheavals mean that today citizens want to control their energy consumption more, to make their choices in terms of energy mix and energy projects, or even become self-consumers. In addition, the evolution of industrial organizations and modes of contracting entails a multiplication of interfaces in projects. Lastly, the international dimension of projects is increasing, making it even more necessary to understand cultural differences and the ability to manage large and often geographically dispersed teams. For all these reasons, energy project management is becoming more complex and a systemic approach to projects is needed to ensure success. It is the backbone around which the various skills that we propose to bring and reinforce in this formation are articulated.

Training is provided in English, part time. It is intended for graduates of master or bachelor level with professional experience, whether they are engineers, financiers, buyers, operators, industrial product managers, etc. It trains executives wishing to progress in the field of energy project management while maintaining a professional activity, or wishing to reorient themselves towards these professions. The curriculum brings together energy professionals, project specialists, and academic speakers. The 390 hours of courses and case studies are dedicated to technology, financing and energy project management aspects. They are dispensed from September to April and supplemented by a 5-month company mission from May to September to mobilize skills in a professional setting and leading to the presentation of a professional thesis.

At the end of the Specialized Master's degree, students will be able to perform the many functions involved in project management, for example, director of energy projects, energy market analysts, designers of new production or energy services, and engineer. of studies in charge of the techno-economic evaluation of the offers, etc.

Learn more about the Specialized Master of Management of Energy Projects:

<http://www.enpc.fr/mastere-specialise-management-energy-projects>

Admissions are in progress, you have until July 1, 2019 to send your applications by following this link:

https://crm.enpc.fr/community/enpc/custom_forms/281

Discover the other Specialized Masters at École des Ponts ParisTech: <http://www.enpc.fr/masteres-specialises>

Ecole des Ponts breakfasts: an edition dedicated to the circular economy

May 22, 2019

The École des Ponts ParisTech organizes, several times a year, Matinales des Ponts, meetings between the world of education, research and companies.

The 7th edition of "*Matinales des Ponts*" took place on May 14, 2019 in Paris on the theme "*The stakes of the circular economy*". This roundtable dealt with a subject both at the heart of the skills of the École des Ponts ParisTech and news (law in preparation on this subject, European directives adopted last year...).



For two hours, a panel of three business leaders as well as teachers and researchers discussed the approach to optimize and save natural resources in a simultaneous context of depletion and limitation of their environmental impact.

Circular economy, whether through reuse or recycling, will profoundly change our economic systems unanimously assured stakeholders. Among them, Sophie Sicard-Lemaire, Project Manager at PAPREC, detailed successful recycling initiatives such as paper and cardboard. She also highlighted the challenges ahead, for example for plastics, particularly in terms of the economic equilibrium of this emerging sector.

For her part, H el ene Valade, Suez's director of sustainable development, reminded us how widespread this "circularity" concern was on the planet. She said that this approach to raw material economy - or closed loop - could also apply to the water sector: for example, by the production of biogas from sewage sludge or reuse of wastewater after treatment.

In the field of construction, Maxime Trocm e, Director R & D Deployment within the Vinci group, explained that this topic, for a long time marginal in the sector, became a concern of both public authorities and construction operators. With important challenges to be taken up, notably on the qualification of secondary materials in the framework of reuse (example of concrete aggregates) but also of finishing elements like the concrete case of re-use of slabs of false floors on a construction site experimental.

In fact, reuse resources is first of all ability to quantify and measure this type of operation in terms of environmental impact. In this regard, Adela ide Feraille, researcher at the Navier Laboratory of the  cole des Ponts ParisTech, explained that part of the Ecole des Ponts's research work is devoted to the analysis of the life cycle of construction products. A theme at the heart, she said, of the Chair eco-design.

Finally Emeric Fortin, director of the Transport and Sustainable Development Master of the Ecole des Ponts ParisTech, pointed out how the approach of the circular economy could not be conceived solely in

terms of the performance of economic systems, but should send to economic agents a strong and clear "price signal" This through, for example, ambitious taxation of the price of carbon.

Consult the detailed account of the exchanges of the Matinale des Ponts on the circular economy: http://www.enpc.fr/sites/enpc.fr/files/documents/cr_matinale_des_ponts_economie_circulaire_enpc_14_mai_2019.pdf

Find previous editions of Matinales des Ponts: <http://www.enpc.fr/matinales-des-ponts>

Brno University of Technology (BUT), CZ



BUT commemorated the 120th anniversary of the University

The Rector's office is newly decorated with the bronze relief of ANTONÍN REZEK

The ceremonial revelation of the bronze portrait of Antonín REZEK - the Czech historian and politician who significantly contributed to the establishment of the first Czech university in Brno in 1899, Brno University of Technology started the celebrations of the 120th anniversary of its foundation on January 15, 2019.

"In 1899 Emperor Franz Joseph I signed the imperial decree founding Czech Technique University in Brno. The decree was sent to the Austrian Minister of culture and education. However, when the letter arrived at the office, the Department was already in resignation. This might cause a delay of the decree and thus jeopardize the whole plan to establish the Czech University in Brno. That was why Antonín Rezek Sopened the letter unlawfully, and published it in the Austrian newspaper Wiener Zeitung. When the article informing about the founding of the University was released publically, the Minister in resignation was facing the already decided issue," described his act of courage Alžběta Blatná from the BUT Archives.



BUT rector Petr Štěpánek with the restored relief of ANTONÍN REZEK

Mr. Stanislav Kostlivý - Rezek's son-in-law, remembered in his letter: *"The next day the Minister called my father-in-law and without even bidding him a seat, he reproached him wildly. Father-in-law added that the Minister was absolutely right, as what he had done was really bold. However, it was the only way to save the University, which was worth the trouble. "*

Professor Rezek sought establishing Brno University of Technology for a long time. For three following years he served as the Minister of Czech Affairs in the Austrian government, later as a member of the Assembly of the Czech Kingdom. His father-in-law was the poet and writer Karel Jaromír Erben, as Rezek married Miss Bohuslava – Erben's daughter from his first marriage. Tomáš Garigue Masaryk who also belonged among Rezek's colleagues, helped to find the first professors of Brno University of Technology.

As mentioned in Franz Joseph' Memorial of Czech University of Technology in Brno in the 1911: *"It is a pity that the narrow scope of this article does not allow us to portray Rezek's passionate and tireless work preceding the establishment of this University and the first years of its existence. Each of his words breathed love for the university and all his acts were directed to its prosperity."*

The 20th Academic Assembly will take place in November, commemorating the events of November 1939 and 1989. On the same day, the members of the Scientific Council of BUT will award important personalities from the field of science and research with the Honorary Doctorates.

"BUT was established as the first Czech technically oriented university in Brno. This is an undoubted proof that technical education has always played a key role in this country, independently on its industrial development. BUT has continued the tradition of technical education in the Moravian metropolis, which was started by the Technical School in Brno 50 years earlier. BUT is not only the oldest university in Brno, but with its number of present students it is also the largest technical university in the Czech Republic. Commemorating the 120th anniversary we remember our predecessors, who never gave up the struggle to create the first Czech University of Technology in Moravia," said Petr Štěpánek, the Rector of BUT.

More information on: <https://www.vutbr.cz/en/but/news-f19528/but-commemorated-the-120th-anniversary-of-the-university-the-rector-s-office-is-newly-decorated-with-the-bronze-relief-of-antonin-rezek-d181525>

UPC BARCELONA TECH, ES



Prof. Jose Turmo from School of Civil Engineering of Barcelona Tech, sent the following news of interest for members of EUCEET Association:

ANTONIO HUERTA, Professor of Escola de Camins, appointed academician of the Royal Academy of Engineering

The Royal Academy of Engineering of Spain, in plenary session dated April 19th 2019, has appointed three excellent engineers as academics: Mr Antonio Huerta Cerezuela, Mr Luis García Esteban and Mr Daniel Ramón Vidal.



Professor Antonio Huerta

Antonio Huerta Cerezuela, Civil Engineer from the UPC and PhD from Northwestern University (USA), is a professor of Applied Mathematics at the UPC, director of ICREA and president of the International Association of Computational Mechanics. He was director of the Escola Tècnica Superior d'Enginyeria de Camins, Canals i Ports de Barcelona at UPC. He has made outstanding contributions to simulation and engineering modelling with original contributions of great scientific impact to concrete problems of fluids, solids and waves. He has led the creation of a unique laboratory (LACAN UPC) that combines excellence and mathematical rigor with applications and research at the frontier of knowledge in engineering (mechano-biology, electro-active materials, credible calculation, etc.). Further information at the Royal Academy of Engineering of Spain's web site.

IldefonsCerdà 2019 Awards



Professor Eugenio Oñate

Mr. Eugenio Oñate, Professor of Escola de Camins and director of the CIMNE (International Centre for Numerical Methods in Engineering), has been awarded with the **2019 IldefonsCerdà Medal**, organized by Col·legid'Enginyers de Camins, Canals i Ports de Catalunya at the Palau de la Música Catalana on Friday, May 10.

Professor Eugenio Oñate receives this medal in recognition of his brilliant professional and academic career and for his work of introduction, dissemination and development of numerical methods in the field of civil engineering, both through his teaching and of its research and innovation work.

Riga Technical University (RTU), LV

RTU RECTOR TOGETHER WITH SCIENTISTS FROM 13 EU COUNTRIES AGREES ON THE EUROPEAN SCIENCE AND RESEARCH DEVELOPMENT GUIDELINES

Rector of Riga Technical University (RTU), Academician Leonīds Ribickis together with 38 scientists from 13 European Union (EU) Member States has signed a **joint communiqué**, which expresses the commitment to make the EU the world's strongest community and a leader in the field of education, research, innovation, quality and ethical standards by 2050.

Communiqué includes EU development issues and the role of scientists in it. The document states that the EU future decisions shall be based on evidence, and scientists shall make an effort to be able to provide precisely targeted advice timely as well as improve their performance in science communication, so that their accomplishments would be an integral part of decision-making process. A specific emphasis is placed on the need to focus on a unified and consistent EU development, bridging the gaps between Eastern and Western, Northern and Southern EU Member States, as well as on the promotion of their closer cooperation.

The document defines *“European higher education, science and innovation culture”* and highlights that its foundation is critical thinking, which should be developed and promoted throughout the life-long learning cycle – from primary to further education. However, excellence should unchangeably remain the main criterion of education, science and innovation field. Communiqué emphasizes the need to promote inclusiveness, develop joint research projects and implement exchange projects for researchers in such a way as to prevent the brain drain in the Northern and Western direction.

Communiqué afterword states, *“Success in European education, research and innovation field cannot be gained without academic autonomy and freedom of research and ideas”*.

More information on: <https://www.rtu.lv/en/university/for-mass-media/news/open/rtu-rektors-lidz-ar-zinatniekiem-no-13-es-valstim-vienojas-par-eiropas-zinatnes-un-petniecibas-attistibas-pamatnostadnem>

Delft University of Technology, NL



ROYAL HONOUR FOR PROF. JAN DIRK JANSEN

NEWS - 26 April 2019

Professor **JAN DIRK JANSEN**, Dean and Professor of Reservoir Systems and Control at the Faculty of Civil Engineering and Geosciences (CEG), has just been made a ***Knight of the Order of the Netherlands Lion*** in Delft.



Professor Jansen received the honour for his contributions to Earth Sciences research in the Netherlands and his talent for bringing together science and wider society. In his research, Jansen specialises in developing techniques for managing subsurface fluid flows, for use in oil and gas extraction, geothermal energy and induced earthquakes. He is an expert in reservoir management and production optimisation and was instrumental in the integration of Earth Sciences research, which was previously fragmented.

About Prof.dr.ir. Jan Dirk Jansen

Examples of his social engagement include membership of the Mining Council, the body that advises the Minister of Economic Affairs and Climate, for instance on strengthening the structural integrity of buildings in the province of Groningen in the light of the decision to discontinue gas extraction by 2030. Jansen is also a firm advocate of the initiative to realise a geothermal source on TU Delft campus – a project in which the scientific challenge is inextricably linked with the interests of wider society.

Jan Dirk Jansen studied Civil Engineering at TU Delft. After graduating, he worked for Shell in the Netherlands and internationally, while at the same time completing his doctorate at TU Delft in 1993. Between 1999 and 2010, he combined his job at Shell with a university appointment.

In 2005, he was appointed Professor of Reservoir Systems and Control.

In 2011, he became Director of the Geoscience & Engineering department and has been Dean of the Faculty of CEG since 2018.

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



V International Conference "*Safety Problems of Civil Engineering Critical Infrastructures*"

On May 21-22, 2019 in Yekaterinburg the Ural Federal University named after the first President of Russia B.N. Yeltsin, Ural Branch of the Russian Academy of Sciences, Science and Engineering Center "*Reliability and Safety of Large Systems and Machines*", the Russian Academy of Architecture and Construction Sciences and the European Civil Engineering Education and Training Association hosted the V International Conference "*Safety Problems of Civil Engineering Critical Infrastructures*", which was dedicated to the 90th Anniversary of the Institute of Civil Engineering and Architecture. The representatives of science and business from Russian Federation, Czech Republic, UK, Yemen, Colombia, Poland, Kazakhstan, Vietnam, Syria took part in the Conference.

The current stage of development of the Russian economy is characterized both by the intensification of existing 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.

Currently, issues of regional safety and interdisciplinary analysis of territorial risk came to the foreground all over the world. Without solving these problems, it became impossible to ensure the sustainable development of large municipalities, territories, regions of the Russian Federation

With the complication of the structure of the world economy, the potential damage that can be caused to all its sectors (industry, agribusiness, water and forestry, the financial system, the social bloc, etc.) increases as a result of industrial accidents, disasters, natural disasters, global change climate, and others, including extreme socio-political situations. 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.

The conference participants discussed the problems of designing buildings and structures with the use of information modeling technologies (BIM), issues of diagnostics, monitoring, maintenance, survivability and optimal management in the context of creating and operating safe, smart and resilient infrastructure systems; issues of creating 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 ensuring the safety and sustainable development of cities, territories and regions, taking into account the human factor.

National Research Moscow State University of Civil Engineering (MGSU), RU



Elizabeth Basmanova, from the Department for Coordination of International Cooperation, National Research Moscow State University of Civil Engineering sent the following information about the MGSU:

The MGSU is the Russia's top higher education institution in construction. It was founded in 1921 and was called Moscow Engineering and Construction Institute (MISI) of V.V. Kuibyshev until 1993. This is one of the oldest technical higher education institutions in the Russian Federation. On May 20, 2010, the University was assigned the status of the "National Research University".

The MGSU heads the Academic Methodological Association (AMA) of the Russian higher education institutions related to construction as well as the International Association of Educational Civil Engineering Institutions (AECEI), and actively cooperates with the international organizations including without limitation the Association of European Civil Engineering Faculties (AECEF), European Civil Engineering Education and Training Association, American Society of Civil Engineers (ASCE), International Society on Computing in Civil and Building Engineering (ISCCBE), European University Association (EUA) and other. It is worth noting, Moscow State University of Civil Engineering is the only Russian educational institution having the BREEAM license.

The University enjoys deserved international respect, has a large experience of fruitful international cooperation with 95 universities and scientific-and-educational centers of 33 countries of the world. With effect from 2000, the MGSU hosts a Supervisory Board uniting more than 40 major construction organizations in Moscow and Moscow Region, and also it is in the top-50 universities of Russia in the International QS University Rankings: BRICS, top-30 in the International Ranking Web of Universities, top-50 in the Expert RA rating (RAEX).

The University provides training at all levels – bachelors, masters, specialists in various fields: «Construction», «Architecture», «Economics», «Management» and many others. At present, more than 15,000 students are studying at MGSU, including more than 1,000 foreigners from 87 countries.

On the basis of the University created a modern laboratory complex, which includes more than 50 research laboratories in various areas. Scientists and specialists of MGSU have created and lead well-known in Russia and abroad scientific and design schools in the area of construction, as well as actively participate in the construction of landmark facilities for the country, such as the Sayano–Shushenskaya Water Power Plant, The Big Ice Rink in Sochi, Cosmodrome «VOSTOCHNYY», Launching Complex «SOUZ-2», design of stadiums to the Football Championship 2018 and others.

Annually on the basis of the MGSU or with its participation, several dozen scientific seminars, conferences and exhibitions of various formats are held, including major international scientific events with the publication of abstracts in journals indexed by the international databases Scopus and Web of Science.

Logotype



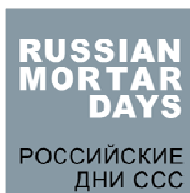
Main information

Conference title: «Integration, Partnership and Innovation in Construction Science and Education»

Dates: every two years, in November

Venue: Russia

Website: <http://ipicse2018.org/>



Conference title: «Russian Mortar Days»

Dates: once a year

Venue: Russia

Website: <https://www.spsss.ru/>



Conference title: «Construction the Formation of Living Environment» (FORM)

Dates: once a year

Venue: Russia

Website: <http://form2018.org/>



Conference title: «Russian-Polish-Slovak Seminar»

Dates: once a year

Venue: Russia, Poland, Slovakia

Website: <http://rsp2018.org/>

In addition, the MGSU publishes its own journals.

- ❖ **Vestnik MGSU**
vestnikmgsu.ru

Scientific and Engineering Journal for Construction and Architecture.

Frequency: monthly.

Listed with the All-Russian Certification Committee List of peer-reviewed scientific publication media for main scientific results of theses for the scientific degrees of a candidate and doctor of science.

- ❖ **Stroitelstvo: nauka i obrazovanie**
nso-journal.ru

Scientific and practical online journal of MGSU on questions of construction science and education.

Frequency: quarterly.

Listed with the All-Russian Certification Committee List of peer-reviewed scientific publication media for main scientific results of theses for the scientific degrees of a candidate and doctor of science.

Tomsk State University of Architecture and Building, RU

Prof. Anatoly Malinovski, Dean of Civil Engineering Department of Tomsk State University of Architecture and Building, sent the following news of interest for members of EUCEET Association:



New public space created on one of Tomsk streets by more than 70 citizens May 20, 2019

“Placemaking of urban environment” workshop was held in Tomsk between May 17th and 19th in the framework of the U-NOVUS Forum of new solutions. It was aimed at creating a new public space in the territory of Living Lab Tomsk using available and extraordinary solutions. Around 70 active citizens took part in construction.

On Friday, May 17th, at Tomsk State University of Architecture and Building the participants studied the “theoretical part”. Representatives of the design-studio Living Lab Tomsk One (LLTONE) told the project background and explained the key principles of placemaking, i.e. a “smart” way of building urban environment that meets citizens’ needs and fills spaces with specific sense. Also, the concept of the future public space was presented.

During the indoor part of the workshop, Sergey Kremnev, co-founder of TEXTIL project (Yaroslavl) and director of Lift Project, agency for urban development and community building, shared his experience of creating a new cultural territory in Yaroslavl city center. He emphasized that place making approach focuses on temporary solutions, something that people need here and now. Besides, according to Sergey’s opinion, we shouldn’t focus and cluster people over some problem of a certain territory; we should rather find a point of attraction in the place, which is what will help people to team up. What is also important is not to stifle their initiative, if citizens bring their ideas; we should give our support, however without doing the entire job for them. This will give people opportunity to try some new social roles.

The second and third days of the workshop were dedicated to modification and improvement of the chosen plot, which was a park near the study building of Tomsk State University of Control Systems and Radio electronics (TUSUR). The main concept of the place was developed by the LLTONE design-studio members with the support of Yaroslavl architects. The workshop participants – citizens and students who reside in the nearby dormitories – added their ideas to the project.

When building a new place of attraction the team used available materials; all solutions were handmade by the workshop participants. After 2 days of work the following forms were introduced in the existing

park: working area, sunbed zone, table games zone, swings, a small stage with an amphitheater, and even a BBQ area.

More information about the workshop:

The workshop was held in the framework of U-NOVUS Forum of new solutions with the support of Fund for Infrastructure and Educational Programs of RUSNANO Group, Tomsk Region Administration, TSUAB, TUSUR, the Department of Capital Construction of Tomsk City Administration. The event was also supported by many individuals and representatives of organizations, who contributed to creation of the place (among them are Rubius Company, “Polyus” Research and Production Center, Research Institute of Semiconductor Devices, «Inter RAO» Company, «Derevenskoemolochko» Company, «Stroypark» and «Demos» Printing Company).

Living Lab Tomsk (LLT) is the territory of experiments for testing solutions in the field of smart city and comfortable urban environment. The initiative of making such territory in Tomsk appeared in October 2017, it covers 3 streets (Usova, Vershinina, Lytkina). The first experiment (LLTONE) initiated by the creative industry and implemented between October 2018 and October 2019 refers to creating sustainable and inclusive urban environment, meaningful public spaces that inspire entrepreneurship and cooperation between urban communities.

Place making is an international movement and approach to urban improvement. It is a “smart” way of creating urban environment that meets citizens’ needs. It encourages people to see the city at a different angle, appreciate places, and revive the spaces that are stuck. This approach suits well for yards, streets and central squares. Place making boosts communities’ wellbeing and makes public spaces meaningful.

TSUAB architects are leaders of International architectural and engineering solutions competition “Steel2Real”

May 21, 2019

The final of the competition was held in Moscow on May 17th. Alexandra Dyatlova and Taisia Rekun, TSUAB architecture students, presented the project of a “Wonder Wood” kindergarten with the capacity of 240 children. Maksim Artamonov, Assistant Professor of the Faculty of Architecture at TSUAB, performed as research supervisor of the project.

The main task of “Steel2Real-2019” competition was to develop the project of pre-school facility building based on a steel frame. More than 200 students from 70 Russian universities applied for the nomination “Architectural solution”; and only three teams were selected to present their projects at the final stage in Moscow.

“The contestants’ projects were really strong and worthy, so the nomination didn’t have obvious leaders, reports Alexandra Dyatlova. We used every effort to prepare for the final; and the jury gave high points to the quality of our project and specially noted its extraordinary concept”.

The kindergarten has a round shape. All premises (group sections, administrative section, recreation rooms for choreography, sports and music classes) have access to a single center, which is a covered yard. The internal part is made of a metal frame and wood.

“The compact space planning was reached due to the round shape of the building, – tells Alexandra – The shape, large windows and a dome in the center provide energy efficiency, for most of the premises are naturally lighted. The covered yard can accommodate greening all year round. We wanted to make the kindergarten a platform for comprehensive development, and we seem to have succeeded”.

Maksim Artamonov adds that the project is universal in using metal frames. Structural solutions within the circle allowed creating a memorable and, most importantly, wisely designed building with minimum nomenclature. The designed project of “Wonder wood” kindergarten is a blend of ideas belonging to two authors, as a result of which a new image of a pre-school facility was born.

More information about the competition:

The competition “Steel2Real” is organized by the Steel Construction Development Association.

The purpose of the contest is to actualize the use of alternative options in construction of buildings and structures and metal frames in all types of civil engineering, as well as to promote using steel in construction as an advanced material.

ECCE – European Council of Civil Engineers



70th ECCE General Meeting

25 September 2019

Lisbon, Portugal

The 70th ECCE General Meeting will be held on Wednesday 25 September 2019 as part of [the Civil Engineering Summit \(CES 2019\)](#)

Lisbon Civil Engineering Summit 2019 will be held in Lisbon from 24 to 27 September 2019 organized by the Ordem dos Engenheiros and will have 32 Plenary and Parallel Session.

FROM PARTNERS

2019 EUA Annual Conference

Michael Murphy elected EUA President



The EUA General Assembly was held in the context of the Association's 2019 Annual Conference, hosted by Sorbonne University and focused on "[Driving innovation in Europe's universities](#)".

The European University Association (EUA) represents more than 800 universities and 33 national rectors' conferences in 47 European countries.

At the EUA General Assembly in Paris, on Thursday 11 April 2019, Prof. **Michael MURPHY**, University College Cork (Ireland) was elected as the next president of the European University Association (EUA).



Prof. Murphy, a member of the EUA Board since 2017 and Chair of the EUA Learning & Teaching Steering Committee, has held a variety of leadership roles including President of University College Cork, Vice-Chancellor of the National University of Ireland, Chair of the Health Research Board of Ireland, Chair of the Irish Universities Association and Chair of the Permanent Working Group of European Hospital Doctors. He graduated in Medicine from University College Cork and received his doctorate from the National University of Ireland.

The EUA president serves a four-year term and presides over the EUA Board, which is responsible for the preparation and implementation of the Association's policy and the planning of its activities.

New Vice-Presidents of ENAEE



The Administrative Council of the European Network for Accreditation of Engineering Education (ENAEE) has two new Vice-presidents:



Prof. Dr. Birgul TANTEKIN-ERSOLMAZ
(İstanbul Teknik Üniversitesi) and



Prof. Dr. José Carlos QUADRADO
(Instituto Superior de Engenharia de Lisboa)

They will join the new president, Damien OWENS (Registrar of Engineers Ireland and President of the IEA Dublin Agreement), on the leadership of the ENAEE.

EUR-ACE Accreditation Workshop 2019

21 - 23 July, 2019, Jamaica

**TRAINING FOR EXPERTS IN THE FIELD OF QUALITY ASSURANCE AND PROFESSIONAL ACCREDITATION OF ENGINEERING EDUCATION PROGRAMS****About the Workshop:**

The EUR-ACE Accreditation Workshop will be held on **July of 2019**, during the Pre-conference LACCEI 2019 International Multi-Conference in Lima Peru. Following the successful last year's EUR-ACE Workshop, this training is focused to expand the number of accreditation experts in Latin America. After this training, participants will be aware of accreditation procedures criteria and will enable them to prepare educational programs at their home universities for further international accreditation, including but not limited to EUR-ACE Label. Participants who complete successfully this training will receive from a European Accreditation Agency a certificate with the title of **Expert Candidate**. After participating in at least one program accreditation process, the candidate will be promoted to **Active Expert** and will be part of the database of experts available for the European Accreditation Agencies.

The workshop is offered in Spanish.

Who should attend:

- Representatives of the academic community: Faculty members of higher education institutions (professors, associate professors, departmental heads, leaders of research and education units That are aware of content and of the organizational aspects in the educational process.
- Industry representatives: Representatives of business and industry, involved in the process of training engineers able to critically assess competences (learning outcomes) of students and graduates of the educational program.
- Representatives of the management and administrative staff of higher education institutions / accreditation agencies: Proactive and motivated employees who intend to organize and supervise the process of accreditation of educational programs in the field of engineering and technology.

More information: [http://laccei.org/index.php/events/laccei-international-multi-conference/workshop-
eur-ace-2019](http://laccei.org/index.php/events/laccei-international-multi-conference/workshop-eur-ace-2019)

29th EURASHE ANNUAL CONFERENCE ON FUTURE EDUCATION



On 16-17 May, 2019 the 29th EURASHE's Annual Conference „*Future Students. Future Universities. Future Jobs. Professional Higher Education in the changing world*” took place in Budapest gathering together around 150 higher education experts and students from 32 countries to discuss the future of higher education in Europe.

Participants had the chance to listen to inspiring speeches and interactive sessions and to take part in the European Universities Initiative networking, where they explored new opportunities and looked for suitable project's partners following a clear invitation for Universities of Applied Sciences and other PHE institutions to submit pilot projects to reflect a diversity of excellence dimensions within European Higher Education.



Discover more about the European Commission's European Universities Initiative on:

https://ec.europa.eu/education/education-in-the-eu/european-education-area/european-universities-initiative_en

Within the framework of the Conference, leaders of institutions also gathered for the 5th **UAS Leadership Forum** to discuss the future vision and the changing role of Higher Education.

RE-ELECTED PRESIDENT AND VICE-PRESIDENT OF EURASHE

EURASHE President [Stéphane Lauwick](#) and Vice-President [Ulf-Daniel Ehlers](#) were re-elected as President and Vice-President for the next 2 years mandate at EURASHE Board during the General Assembly meeting which took place on the 15th of May, 2019 in Budapest.



From left to right **Prof. Ulf-Daniel Ehlers** and **Stéphane Lauwick**

During the General Assembly, members also adopted a new strategy framework built upon the vision of EURASHE striving to support the development and transformation of European society through professional higher education. In this sense, EURASHE reviewed mission is to strengthen the impact of innovative, high quality professional higher education and related user-oriented research in Europe, by representing PHE institutions and facilitating their multi-stakeholder cooperation and dialogue.

More information on: <https://www.eurashe.eu/>

EURASHE AFTERNOON DEBATE AT THE EUROPEAN PARLIAMENT: HIGHER EDUCATION INSTITUTIONS ARE THE AGENTS OF CHANGE AND OPPORTUNITIES

April, 2019 Brussels – Higher education institutions face a wide range of challenges and opportunities, most significant associated with shifting perspectives of knowledge itself and the changing role and responsibility of the universities in the society. At the same time a series of worrying phenomena like anti-refugees movements, increasing power of far-right parties, widely spread fake news remind the importance of education in preparing citizens of the future.



On the 29th of April EURASHE gathered together higher education community at the Afternoon Debate “Higher Education in Europe: Play to Win” to discuss these emerging issues and search for the possible answers of what should be a future role of higher education in Europe.

More information: <https://www.eurashe.eu/higher-education-institutions-are-the-agents-of-change-and-opportunities/>

47th SEFI Annual Conference 16-19 September, 2019 Budapest, Hungary



BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
47th SEFI Annual Conference - 16-19 September 2019



The SEFI and Budapest University of Technology and Economics (BME) invite everyone to join the SEFI Annual Conference in Budapest. The conference takes place at the BME Campus in the centre of Budapest.

The theme **Varietas delectat... Complexity is the new normality - Industry 4.0 and Diversity in Engineering Education** will be exploring through keynote sessions and conference tracks at 47th SEFI Annual Conference.

The themes for the 47th annual conference of SEFI are from but not limited to the followings:

- Diversity in Engineering Education?
- Fundamentals of Engineering Education: Mathematics and Physics
- Gender, Inclusion and Ethics
- How to detect and attract talents with new generations of learning technologies and networks?
- Impacts of demographics in tertiary education
- Integrated learning environments for the digital native learners
- Lifelong learning

- Network Capital
- New Complexity quest in engineering sciences
- New notions of interdisciplinarity in engineering education
- Open and online teaching and learning
- Strong demand for democratic involvement in educational processes
- Sustainability reflecting the complexity of modern society
- Talent management
- 4th Industrial Revolution

Deadlines and conference dates:

Full paper submission for peer review	30 April, 2019
Notification of final acceptance	22 June, 2019
Early Bird Registration	17 July, 2019
Final paper submission	2 August, 2019
SEFI Annual Conference	16-19 September, 2019

More information on: <http://sefi2019.eu/Welcome>

10th AECEF Symposium

20-23 November, 2019

Wroclaw, Poland



The 10th AECEF Symposium will be held in Wroclaw University of Technology, Poland, on 20-23 November, 2019 organized by:

- Association of European Civil Engineering Faculties
- Wroclaw University of Science and Technology (WUST)
- Faculty of Civil Engineering of WUST.



Wroclaw University of Technology

The **theme** of the Symposium is *“Cooperation between Universities and Industry in the Education and Employment of Civil Engineers: Current Expectations, Future Challenges”*

The scientific program will include **Keynote**, **Plenary** and **Parallel Sessions** over two days. The official language of the Symposium is **English**.

IMPORTANT DATES

Call for abstracts	January 21, 2019
Deadline for abstract submission	March 31, 2019
Notification of abstract acceptance & call for papers	April 14, 2019
Deadline for paper submission	June 15, 2019
Notification of papers acceptance	July 15, 2019

Early bird registration until
Late registration
Symposium

August 15, 2019
until October 15, 2019
November 20-23, 2019

TENTATIVE SCHEDULE

Day 1 (Wednesday) – welcome reception

Day 2 (Thursday) – sessions; coffee breaks, lunch, conference dinner

Day 3 (Friday) – sessions; coffee breaks, lunch, social/technical visit

Day 4 (Saturday) – social/technical visit/optional touristic program

SCIENTIFIC COMMITTEE

Chairman:

José FERREIRA LEMOS, Faculty of Civil Engineering, University of Porto, Porto, Portugal, **AECEF President**

Vice Chairman:

Alfredo SOEIRO, Faculty of Civil Engineering, University of Porto, Porto, Portugal, **AECEF Secretary General**

Vice Chairman:

Piotr BERKOWSKI, Faculty of Civil Engineering, Wrocław University of Science and Technology, Wrocław, Poland

Members:

Cedric D´MELLO, School of Engineering and Mathematical Sciences, City University London, UK

Michal JANDERA, Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic

Aarne JUTILA, Extraplan Oy, Espoo, Finland

Alan KWAN, Cardiff School of Engineering, Cardiff University, Cardiff, UK

Roode LIAS, School of Engineering, Department of Civil Engineering and Architecture, Tallinn University of Technology, Tallinn, Estonia

Anatoly P. MALINOVSKY, Tomsk State University of Architecture and Building, Tomsk, Russia

Remigijus ŠALNA, Faculty of Civil Engineering, Vilnius Gediminas Technical University, Vilnius, Lithuania

Nicholaos THEODOSSIOU, Faculty of Civil Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Andrey A. VOLKOV, Moscow State University of Civil Engineering, Moscow, Russia

Ivica ZAVRŠKI, Faculty of Civil Engineering, University of Zagreb, Zagreb, Croatia

Radek ZIGLER, Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic

HONORARY COMMITTEE

Prof. Cezary MADRYAS	Rector of Wrocław University of Science and Technology (WUST), Poland
Prof. Jiří WITZANY	Former AECEF President, Czech Technical University in Prague, Czech Republic
Prof. José FERREIRA LEMOS	AECEF President, Full Professor Retired, Faculty of Engineering, University of Porto, Portugal
Dr. Hans	Jürgen HOYER <i>Secretary General for IFEES</i>
Isabel Pinto	Portuguese Society of Engineering Education, University of Coimbra, Portugal
Prof. Dariusz ŁYDŹBA	Dean of Faculty of Civil Engineering of WUST, Poland
Włodzimierz SZYMCZAK	ECCE Immediate Past President
Janusz SZCZEPAŃSKI	Chairmen of the Board, Lower Silesian Chamber of Civil Engineers
Andrzej TRYKOSKO	President of Polish Association of Civil Engineers and Technicians
Tadeusz NAWRACAJ	Chairman of the Board, Wrocław Council of Scientific and Technical Associations
	NOT

ORGANIZING COMMITTEE**Chairman:**

Piotr BERKOWSKI

Vice Chairman:

José FERREIRA LEMOS

Vice Chairman:

Alfredo SOEIRO

Adrian RÓŻAŃSKI

Maciej SOBÓTKA

Marek KAWA

Marta DUDEK

Andrzej DULSKI

Agnieszka OLSZEWSKA-MADANAT

Venue - Wrocław University of Science and Technology, Poland

The venue is located on The Campus of University of Science and Technology (building H-14), in the centre of Wrocław, offering easy access to all the city centre amenities.

Address:

Wrocław University of Science and Technology
Faculty of Civil Engineering
pl. Grunwaldzki 11, 50-377 Wrocław,
POLAND



Faculty of Civil Engineering (WUST)

More information on: <http://aecef2019.pwr.edu.pl/>

2019 Ljubljana Declaration on Buildings and Infrastructure Resilience

On 8 -11 April 2019 engineers from all over the world gathered in Ljubljana for the World Construction Forum 2019 (WCF), which was organized by the Slovenian Chamber of Engineers and Faculty of Civil and geodetic Engineering of University of Ljubljana in partnership with World Federation of Engineering Organisations (WFEO) and under patronage of UNESCO and his excellency, Mr Borut Pahor, the president of the Republic of Slovenia.



After two days of interesting lectures and acceptance of Ljubljana declaration forum concluded with a Gala Dinner, where Slovenian Chamber of Engineers presented two awards for innovation on the field of construction.

World Construction Forum 2019 in numbers

In two days, 700 participants from 51 countries from five continents visited World Construction Forum, attending 109 lectures and listening to four keynote lectures at the forum opening, given by prof. Peter Fajfar from Slovenia, prof. Antonia Moropoulou from Greece, prof. Jinxiu Yan from China and dr. Mark Coleman from Great Britain.

All lectures were greeted with great response from attendees, gathered in Cankarjev dom, where WCF 2019 took place.

The final act of WCF 2019 was the acceptance of Ljubljana declaration, which was prepared with the goal of contributing to the UNESCO's Sustainable Development Goals Agenda 2030. All the shareholders contributed to the drafting process of declaration and we are confident that it will help with achieving a goal for sustainable and green development of the world.



The Ljubljana declaration can be find on:

<https://www.wcf2019.org/2019-ljubljana-declaration-on-buildings-and-infrastructure-resilience/>

FROM THE EUROPEAN UNION



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

EC STUDY ON THE IMPACT OF THE ERASMUS+ PROGRAMME ON ITS MAIN BENEFICIARIES

On 20 May 2019, the European Commission released the results of two independent studies, conducted between 2017 and 2019 with nearly 77 000 students and staff and over 500 organisations, on the **impact of Erasmus+ on its main beneficiaries**.



The *Erasmus+ Higher Education Impact Study* analyses four main target groups and several subgroups: Erasmus+ students before going abroad and after having returned, graduates with Erasmus+ experience, academic and non-academic staff with Erasmus+ experience, as well as higher education institutions involved in Erasmus+ projects.

The main results of the study show that:

- **Erasmus+ helps students find their desired careers and get jobs quicker** – According to the findings, 80% were employed within three months of graduation and 72% say their experience abroad helped them get their first job;
- **Erasmus+ boosts European sense of belonging** - More than 90% of Erasmus+ students enhance their cultural awareness and feel they have a European identity, with the major impact on the most Eurosceptic students prior to their exchange;
- **Erasmus+ supports digital transformation and social inclusion** - Erasmus+ projects make most of participating universities better prepared for digital transformation, as 80% of academics stated that their exchange led to the development of more innovative curricula and two out of three participating universities reported that EU-wide projects contribute to enhancing social inclusion and non-discrimination in higher education.

At the same time, the Commission also released the [final report](#) of the *Study on the impact of Erasmus+ Higher Education Partnerships and Knowledge Alliances at local, national and European levels on key higher education policy priorities*.

The study, carried out by the **Lithuanian Public Policy and Management Institute (PPMI)** and the **Austrian Institute of Technology (AIT)**, analyses two types of Erasmus+ cooperation projects: **Higher Education Strategic Partnerships** and **Knowledge Alliances**, including their impact at “systemic/policy, organisational and individual levels” and on the modernisation of higher education systems in Europe.

More information on: https://ec.europa.eu/commission/news/erasmus-turning-point-lives-5-million-european-students-2019-may-20-0_en

EUROPEAN COMMISSION - PRESS RELEASE**EU budget: Adding €100 million for research and student mobility programmes in 2019**

Brussels, 15 May 2019

Following up on the agreement between the European Parliament and the Council on the [EU's 2019 budget](#), the European Commission is today proposing to add €100 million to the EU's flagship programmes Horizon 2020 and Erasmus +. This additional money will help strengthen the EU response to key challenges such as climate change and further adapting the education sector to the needs of the labour market.

Günther H. **Oettinger**, European Commissioner for Budget and Human Resources, said: *“In December, the EU institutions agreed to increase the budget for research and student mobility as soon as we would have available means. Today, 100 million Euros are added on top of what was already foreseen. This is great news for researchers and students in Europe as they will be able to count on more support from the EU for their projects.”*

Out of the additional €100 million, €80 million will go to climate-related research under Horizon 2020, the EU's research and innovation programme. The money will contribute to the ambitious target of devoting 35% of Horizon 2020's budget to climate-related research.

The remaining €20 million will support the EU's programme for education, training, youth and sport in Europe, Erasmus+. This additional money will also help to build up European Universities, a new EU initiative and cornerstone of the European Education Area by 2025. By 2021, the EU wants to set up 12 European Universities which will allow students to obtain a degree by combining studies in several EU countries and contribute to the international competitiveness of European universities in the EU and beyond.

Today's proposal needs the approval of the European Parliament and of the Council.

More Information on: http://europa.eu/rapid/press-release_IP-19-2493_en.htm

GREECE: National Reforms in Higher Education

1 April, 2019

Foundation of the University of West Attica

The University of West Attica, Greece, is founded as the result of merging two Technological Institutes (TEI of Athens and TEI of Piraeus) of the country. The establishment of the University of West Attica aims at tackling the educational, social, cultural and developing needs of the country that are linked with the following cognitive fields:

- a. Social, Administrative and Financial Sciences
- b. Engineer Science
- c. Food Science
- d. Health and Care Sciences
- e. Fine Arts Science.

More information on: https://eacea.ec.europa.eu/national-policies/eurydice/content/national-reforms-higher-education-27_en

NEWS FROM THE WORLD

The International Symposium on Heating, Ventilation and Air Conditioning (ISHVAC)

12 - 15 July, 2019

Harbin, China

The International Symposium on Heating, Ventilation and Air Conditioning (ISHVAC) series was initiated in 1991. It has been a premier international conference on heating, ventilating, and air conditioning (HVAC) initiated in China and has played a significant role for presenting newly found research results and exchanging ideas among colleagues from academics, research organizations, and industry in the field.



The 11th ISHVAC (ISHVAC 2019) will be held from July 12 to 15, 2019 in Harbin, China, hosted by Harbin Institute of Technology (HIT). HIT is the mother of HVAC education in China, which offered the first HVAC course in the 1950s. HIT would like to use ISHVAC 2019 as an excellent forum for further promoting HVAC related research. In the symposium, you will learn the state-of-art research, development, and applications of HVAC from participants not only from China, but also from many leading HVAC organizations outside of China.

In developed countries, buildings use 40% of the primary energy, while in developing countries like China, buildings use 1/3 of the primary energy. Thus, energy used in buildings is very significant and a majority of the energy used in buildings is by HVAC systems that should create thermal comfortable and healthy indoor environment for their occupants. However, the indoor environment created is far from ideal because of poor design, operation, and occupant intervention. Therefore, ISHVAC 2019 will focus on not only HVAC but also indoor environmental quality, health, thermal comfort, human activities, energy efficiency, renewable energy, etc. It will be an exclusive opportunity for building engineers, architects, environmental scientists, facility managers, HVAC system manufacturers, and policy makers to share their experience.

Topics**1 Indoor and urban environment**

- 1.1 Thermal environment
- 1.2 Thermal comfort
- 1.3 Indoor air quality
- 1.4 Healthy buildings
- 1.5 Urban environment and planning

2 HVAC&R

- 2.1 HVAC and systems
- 2.2 HVAC components
- 2.3 Heat pump and refrigeration systems
- 2.4 HVAC&R operation and management
- 2.5 HVAC&R control systems

3 Buildings and energy

- 3.1 Energy in buildings
- 3.2 Building simulation
- 3.3 Building physics
- 3.4 District energy system
- 3.5 Renewable energy

<http://www.ishvac2019.org/>

9th International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability

04 - 06 September, 2019
Athens, Greece

“TMREES Conference Series: Technologies and Materials for Renewable Energy, Environment and Sustainability” aim to promote sustainable, healthy and diverse ecosystems; encourage & support the Sustainability and development of security systems through green-based & clean resources, bringing together participants from international organizations, universities, industry & administrative to exchange innovative ideas, explore enabling technologies, share experiences in sustainability issues & to open a new window on the circumstances of the classical energy sources & their harmful impact on the society.

More information on: www.tmrees.org



International Educational Exhibition 2019 KAZAKHSTAN

5 -16 October, 2019

Astana, Atyrau, Shymkent, Almaty, Uralsk, and Aktobe, Kazakhstan

International Educational Exhibition 2019 is the largest educational exhibition in its scope in the Republic of Kazakhstan and will be held on October from 5 to 16, 2019 in 6 cities of Kazakhstan: Astana, Atyrau, Shymkent, Almaty, Uralsk, and Aktobe.



One of the priorities of the exhibition is:

- The expansion of international cooperation;
- Popularization of foreign\international education;
- Exchange of experience in implementing international educational projects;
- Improving the quality of education for young students and professionals;
- Expansion of international cooperation.

Leading foreign universities (USA, Great Britain, countries of continental Europe, Asia and the CIS), language schools, educational agencies and representatives of international scholarship programs, as well as schoolchildren, students, parents and other persons interested in studying abroad take part in the fair.

International Educational Exhibition 2019 is an opportunity to attract the attention of perspective students, to increase the interest of partners.

The fair offer the opportunity to demonstrate the services of the participating universities in the field of education abroad to a Kazakhstani audience, as well as explore the educational market and competition on it.

More information on: www.ief.kz

100+ Forum Russia

29 October – 1 November 2019

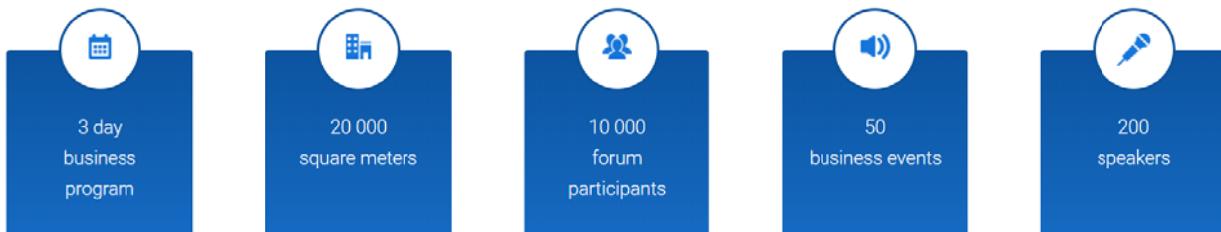
Ekaterinburg, Russia

100+ Forum Russia - is an international congress and a professionally oriented exhibition, dedicated to design, construction, financing and operation of high-rise buildings and unique structures for any application.



Tasks and objectives:

- Promotion of the RF companies with unique competencies in high-rise construction to the regional markets of the country Updating and monitoring of implementation of “Road Map for High-rise and Unique Construction Development in the Russian Federation”
- Bringing together and enabling communication among high-rise and unique construction professionals and experts. To creating a platform for sharing experiences, setting goals and finding solutions
- Accumulation of the world best practices related to high-rise and unique construction at the permanent
- Information and Competences Centre for High-Rise and Unique Construction



Participation in the Forum - is free of charge.

Venue - city of Yekaterinburg, Russia, International Exhibition Center Yekaterinburg-EXPO.

More information on: <http://www.forum-100.com/about-forum/>

IAU 2019 International Conference

Transforming Higher Education for the Future

13-15 November 2019

Puebla, Mexico



The Benemérita Universidad Autónoma de Puebla (BUAP) (Meritorious Autonomous University of Puebla) is co-organising the IAU 2019 International Conference which will take place from 13-15 November 2018 in Puebla, Mexico.

The conference is dedicated to '*Transforming Higher Education for the Future*'. At the time of rapid technological, social, economic and political changes worldwide, IAU believes that it is important to rethink the future of higher education and find viable ways of moving forward for all. The conference will be an opportunity for Members, partners and the wider higher education community to come together and exchange ideas, reflect on the most pressing questions, reconnect and form new partnerships.

Recognizing that higher education is exposed to a multitude of challenges in increasingly complex societies, this conference will, among others, consider the impact of technological advancements, and discuss the responsibility of higher education in the pursuit of sustainable development in a world where populations are increasingly impacted by the consequences of climate change.

Higher education has an essential role to play in proposing solutions as well as highlighting the ethical dimensions and social responsibility in relation to these transformations. Research can inform decision-makers and community engagement can enable inclusive and innovative solutions to address societal challenges. As the global association of higher education institutions and organisations, we seek to generate a meaningful dialogue and mutual understanding about advancing higher education for sustainable societies.

Recognizing that higher education is facing a number of challenges brought about by today's complex societies, the IAU 2019 International Conference is set to discuss the future role of higher education against a backdrop of two major global phenomena: the impact of rapid technological advancements on higher education; and secondly, the urgent need to create more sustainable societies.

The IAU 2019 International Conference is devoted to *Transforming Higher Education for the Future* in order to explore how higher education leaders and experts envisage higher education, not only in the

future, but also for the future. The Conference will not only facilitate sharing visions, but will also constitute an open dialogue that seeks to outline opportunities as well as challenges of higher education today. Acknowledging that local contexts differ in terms of in terms of culture, tradition, religion, demographic, language, politics and economics, IAU values this diversity and believes it is crucial to continue to foster exchange on higher education beyond borders and regions in an increasingly interlinked world.

Higher education has an important role to play in proposing solutions, in shaping societal development, and in fostering debate on the ethical and social dimension of the transformations taking place around the world. Research carried out within higher education can inform decision-makers; through its community engagement, higher education can propose inclusive and innovative solutions to address societal challenges. On a global level, we can exchange and learn from other experiences and practices, with a common objective of advancing higher education and sustainable societies

Framed by the theme *Transforming Higher Education for the Future*, IAU will convene leaders and experts to share their visions about higher education connecting local, national, regional and global perspectives and to generate discussions on what is the essence of higher education today and in the future. The Conference will constitute a global space for the exchange of ideas and opportunities; it will also be a space to identify key challenges and hurdles preventing transformation. It will offer a space to question the status quo, and to imagine an ideal world of higher education free of everyday constraints. Higher education institutions will have the opportunity to present current initiatives and research being carried out to transform higher education, to enhance education and research, and to promote sustainable solutions for future societies.

The outcomes of the discussions in Puebla will prepare the ground for the 16th General Conference in 2020 where IAU will be celebrating its 70th anniversary since its first and founding General Conference in 1950.

More information on: <https://www.eiseverywhere.com/ehome/index.php?eventid=388447&>

EDUCATION BEYOND BORDERS

20 - 21 March, 2020

NPC Sofia, Bulgaria

The biggest educational exhibition in Bulgaria!

“Education Beyond Borders” is a unique educational exhibition not only for the region but also acclaimed over the globe. The event is conducted Sofia, the capital of Bulgaria, an international education centre every March.



Bery Group Bulgaria organizes the educational exhibition “Education beyond borders” in Sofia (EBBS) – the capital of Bulgaria, in the National Palace of Culture (NPC). NPC is the largest multifunctional and congress complex in South Eastern Europe.

“Education Beyond Borders” gather representatives of all levels of education, from all around the world. Organizing such an international forum is very prestigious for the host country. The exhibition called “Education Beyond Borders” is the only exhibition in Bulgaria which is supported officially by Bulgarian institutions and which is organized in the largest multifunctional complex in South Eastern Europe. The event is the only international fair in Bulgaria which obtained a status of national importance for education sector in the country. It is supported by more than 60 media partners which increases its popularity and reputation.

“Education Beyond Borders” is the only Bulgarian education event which has support by the European Union – Programs CORDIS & TED. The European Commission has chosen the EBBS event as the right place, where we have been presented the Education and Training Monitor for Bulgaria during spring fair of 2016.

The participants are educational institutions from all over the world, many embassies and foreign ministries, educational associations and foundations.

There is a special career part in the fair EBBS called “EDUCATION AND CAREER”. It was created in March 2014 and it includes many international companies and organizations which offer career opportunities to the public, social aims and activities.

“EDUCATION AND CAREER” is a trade mark of Bery Group Bulgaria and it is a special forum about future opportunities in both sectors – career and education. At the moment it is the only event for EDUCATION AND CAREER in Bulgaria.

The spring fair EDUCATION BEYOND BORDERS will be held in parallel with the EBBS Sofia Workshop. The EBBS Agent workshop was created in 2017 and is a part of the brand EDUCATION BEYOND BORDERS. The student fair and the agent workshop will bring together the educational professional sector in Sofia. Held together both events will create many new opportunities for all participants.

You should not miss Sofia in March – you can meet potential students and participate in the workshop, make one-to-one meetings and increase your business.

More information on: <https://www.edu-fair.info/>

Indian Structural Steel Conference (ISSC)

25-27 March, 2020

Hyderabad, India



This international conference, organized by the Structural Steel Research Group, Department of Civil Engineering of the Indian Institute of Technology (IIT) Hyderabad is the First Conference focused on Structural Steel and its applications to be held from March 25-27, 2020 in Hyderabad.

It will be of interest to steel and aluminium structure designers and manufacturers, trade associations, design engineers, steel fabricators, architects, owners or developers of steel and aluminium structures, researchers, academics and post-graduate students.

Aim and Scope of the ISSC

Steel Structures is a fairly vast field covering different constructional engineering branches and various materials used in combination of steel to provide a composite system. The applications of Structural Steel encompasses various industries including construction, automotive, aerospace, and marine. However, the development of novel structural materials and technologies, together with the computational tools and design specifications, are necessary for continuous advancement in the use of Structural Steel in numerous areas. In addition, the role of the construction engineer is also to maintain the existing structures for the desired load and purpose, therefore there is also a need for new retrofitting techniques using sustainable materials.

Hence, the ISSC 2020 conference aims at providing a forum where researchers, designers and construction engineers, structural steel manufacturing engineers and consultants, having explicit backgrounds but encountering similar challenges, joining together, in a friendly environment, to discuss and disseminate the most recent advances in the analysis, behavior, design, and construction of structural steel

ISSC 2020 - Main themes***Structural/Cold-formed Steel***

- Bolted Connections
- Welded Connections
- High Strength Steel & Other Steels
- Cold-Formed Structures
- Welding properties
- Plates & Shells
- Stability
- Composite Structures
- Fatigue & Fracture
- Fire
- Seismic Resistance
- Steel Buildings
- Bridge Structures
- Offshore Structures
- Towers
- Innovative Structures
- Fabrication and Construction
- Architectural Design & Case Studies

Steel - FRP Composites

- Joints in Composite structures
- Retrofitting of Steel Structures using FRP
- Design Criteria and Safety
- FRP reinforced Concrete and Steel Structures
- New Design for FRP Composite systems
- Delaminations and Rupture analysis of FRP systems
- Experimental Methods
- Various Loading methods
- Novel Application of Composites materials
- Use of natural composites in Civil Engineering
- New composite materials

Composite construction

- Design Methods
- Behaviour under various loading conditions
- Demountable Structural Design

- Encased beams design
- Steel-Concrete floor joint - behavior and design
- Numerical Modeling works
- Concrete infilled steel beams and columns
- Structural inspection
- Hybrid design methods
- Composite floor connection design
- Steel concrete bond design
- Mechanics and analysis of composite design

Important dates

Submission of Abstracts	- 31st July 2019
Acceptance of Abstracts	- 7th August 2019
Submission of full papers	- 15th September 2019
Acceptance of full papers	- 7th October 2019
Early bird registration deadline	- 30th October 2019
Final Registration deadline	- 30th November 2019

More information on: <https://www.issc2020.com/>

ICCE 2020 — 37th International Conference on Coastal Engineering

13 - 18 September 2020

Sydney, Australia



The International Conference on Coastal Engineering (ICCE) is the premier coastal engineering conference held biennially under the auspices of the Coastal Engineering Research Council of COPRI. The Local Organising Committee is responsible for conference planning and organisation.

Created in 2000, the Coasts, Oceans, Ports, and Rivers Institute (COPRI) is a semi-autonomous institute of the American Society of Civil Engineers (ASCE), the country's oldest national engineering society. COPRI's services are designed to complement ASCE's traditional civil engineering base, and attract non-engineering allied professionals who seek to enhance their professional and technical development.

COPRI serves its membership and society by uniting the disciplines working to sustainably develop, protect and restore coasts, oceans, ports, waterways, rivers and wetlands; integrating the key stakeholders into decision-making processes; advancing technological state of art and practice; and influencing public policy.

The conference with the theme “*The Present State of the Art and Science of Coastal Engineering*” will be held at International Convention Centre, Sydney, New South Wales, Australia.



The goal of the ICCE is to promote academic and technical exchange on coastal related studies covering a wide range of topics including coastal waves, nearshore currents, coastal structures, sediment transport, coastal morphology, beach nourishment, natural hazards and coastal management.

KEY DATES

1 April 2019	Abstract Submissions Open
15 September 2019	Abstract Submissions Close
30 January 2020	Abstract Authors Notified
3 April 2020	Extended Abstract Deadline
13 April 2020	Registration Opens
3 July 2020	Early Bird Registration Closes
15 November 2020	Full Paper Deadline (Optional)

More information: <http://icce2020.com/>

CALENDAR

Date	Event	Place
10-12.07.2019	8th Research in Engineering Education Symposium	Cape Town, SOUTH AFRICA



<http://www.rees2019.com/>

24-26.07.2019	17th LACCEI International Multi-Conference for Engineering, Education, and Technology	Montego Bay, JAMAICA
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<http://wp.eng.fau.edu/laccei2019/>

01-06.09.2019	17 th European Conference on Soil Mechanics and Geotechnical Engineering	Reykjavik, ICELAND
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<https://www.ecsmge-2019.com>

Date	Event	Place
16-20.09.2019	SEFI 2019 Annual Conference	Budapest, HUNGARY



<https://www.sefi.be/activities/events/annual-conference/>

25.09.2019	70 th ECCE General Meeting	Lisbon, PORTUGAL
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4.10.2019	12 th EUCEET Association General Assembly	Paris, FRANCE
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9-12.10. 2019	ASCE 2019 CONVENTION	Miami, FL, USA
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<https://www.asceconvention.org/about>

Date	Event	Place
20-23.10 2019	Annual Conference of the Global Engineering Deans Council (GEDC)	Santiago, CHILE



<https://gedc2019.org/>

7-20.11.2019	XVI Panamerican Conference on Soil Mechanics and Geotechnical Engineering	Cancun, MEXIC
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<http://panamerican2019mexico.com/panamerican/>

13-16.11.2019	9 th World Engineering Education Forum	Chennai, INDIA
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9th World Engineering Education Forum 2019

Disruptive Engineering Education for Sustainable Development

13-16 November 2019 | ITC Grand Chola, Chennai, India

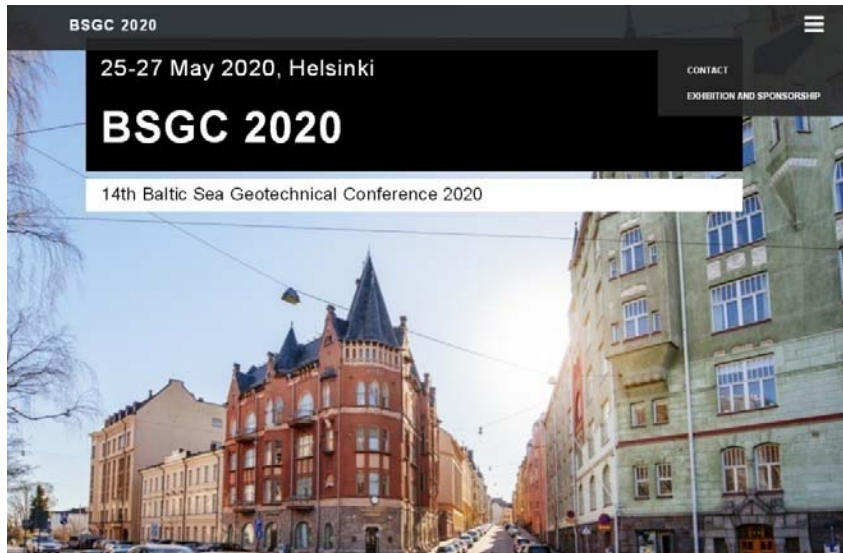
<https://www.weef2019.org/index.html>

22-23.11.2019	10 th AECEF Symposium <i>"Cooperation between Universities and Industry in the Education and Employment of Civil Engineers: Current Expectations, Future Challenges"</i>	Wroclaw, POLAND
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<http://aecef2019.pwr.edu.pl/>



Date	Event	Place
25-27.05 2020	14 th Baltic Sea Geotechnical Conference 2020	Helsinki, FINLAND



<https://www.ril.fi/en/events/bsgc-2020.html>

24-25.06.2020	Conference Geotechnical Engineering Education 2020 (GEE2020)	Athens, GRRECE
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<https://www.erasmus.gr/microsites/1168>