



EUCEET Association

NEWSLETTER 2/2017

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FROM THE EUCEET ASSOCIATION

EUCEET Association WORKSHOP 2017

Trends and challenges in civil engineering education in Europe

Ekaterinburg, Russia

5th October 2017

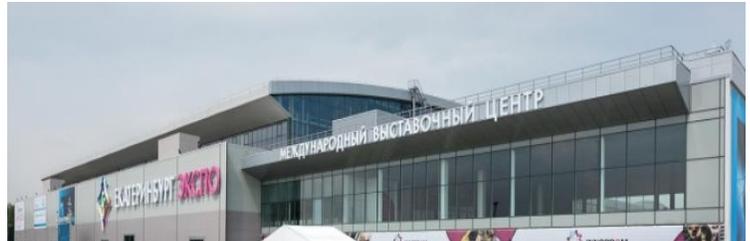
The EUCEET Association workshop "*Trends and challenges in Civil Engineering Education in Europe*", was incorporated in the programme of the 2nd day of the 100+ Forum Russia.

Contributions

No.	Country	University/Institution	Name of the contribution	Name of the author(s)
1	France	École des Ponts ParisTech	Africa: a new horizon for European civil engineering education?	Thibaut Skrzypek
2	Spain	UPC BARCELONATECH	Educating XXI st century Civil Engineers in Barcelona	José Turmo
3	Spain	Universidad de Castilla-La Mancha	Developing technical English skills for civil engineering students	Romero de Ávila, V. ^a ; Díaz, S. ^a ; Asensio, L.a; Lozano-Galant, J.A. ^a ; Moyano, A. ^a ; Porras, R. ^a ; Poveda, E. ^a ; Ruiz, R. ^a ; Sánchez, D. ^a ; Sánchez-Cambronero, S. ^a ; Tarifa, M. ^a ; Yustres, A. ^a ; Castillo, M.C. ^a
4	Spain	Universidad de Castilla-La Mancha	A Massive Open Online Course (MOOC) for the multidisciplinary design of bridges	Lozano-Galant, José Antonio; Sánchez-Cambronero García-Moreno, Santos; Castilla Pascual, Francisco Javier; Romero de Ávila Serrano, Vicente;

Workshop Venue

The venue of the workshop is:
 International Exhibition Center
 "Ekaterinburg-EXPO"
 Address: 2 EXPO Blvd.,
 Ekaterinburg 620060, Russia

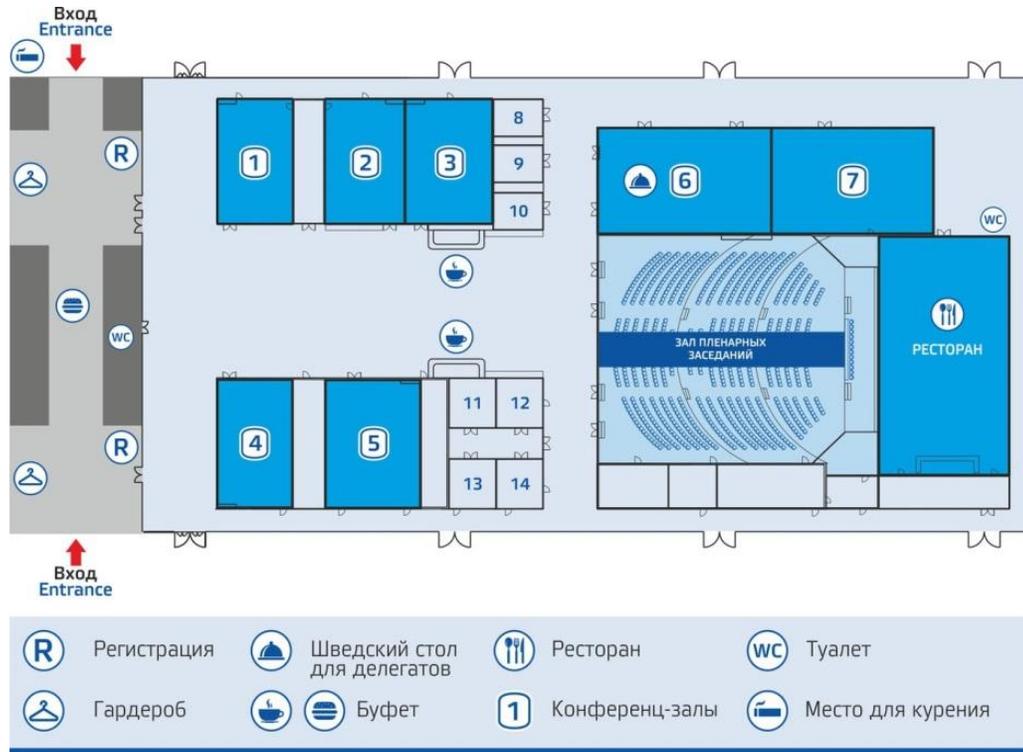


Website: www.ekaterinburgexpo.ru

International Exhibition Center "Ekaterinburg-EXPO" is currently not only the most spacious exhibition center in the Urals, but also one of the largest and most advanced in Russia. The exhibition area of the complex is 50 000 sq. m.



The general plan of Ekaterinburg-EXPO



4th pavilion plan

Ekaterinburg - General Information



Ekaterinburg city

Ekaterinburg is the largest city on the overland borderline between two parts of the world – Europe and Asia. With its 1.5 million residents, it is also the fourth largest city in Russia; a modern city of industry, business, science and commerce, proud of its eventful history and cultural traditions.



Its diverse appearance and exceptional atmosphere of discovery on every corner are the reason Ekaterinburg is called the workshop of architectural vanguard. Its unique geopolitical position and significant economic influence are the reason the city is rightfully called the Capital of the Urals. Its ambitious plans and innovative strategies combined with the amazing character of its residents – firm, persistent, opened to new ideas, and aspiring to excel in any field – make it a true city of the future.

The city is at 1667 kilometers' distance away from Moscow, at 7635 kilometers' distance away from Vladivostok and 2299 km from Saint Petersburg.

Ekaterinburg lies exactly on the Europe and Asia border, on the natural watershed.

Ekaterinburg is not located in Siberia, as many people think. Ekaterinburg city belongs to the Ural Federal District which borders with the Siberian Federal District. The main cities of Siberia are Novosibirsk, Irkutsk, Tomsk and others. For example, Ekaterinburg is located 3375 km from Irkutsk. Thus Ekaterinburg is a long way from Siberia. Though, it is connected with Siberia by famous Trans-Siberian railway.

Trans-Siberian railway connects Moscow, cities of the Urals and Siberian Federal Districts with the Far East. Thus, travelers from Moscow and other cities can get Ekaterinburg by train or by air. Besides a railway station, there is an international airport with HUB-status named "Koltsovo".

The time zone of Ekaterinburg is UTC+6 (two hours ahead of Moscow and six hours ahead of Greenwich). A flight from Moscow to Ekaterinburg takes two hours, while a train trip takes 25 hours.

Official website: www.ekburg.ru

Ekaterinburg – Accommodation

Ekaterinburg offers more than a hundred hotels of different categories – for any taste and budget. There are currently 109 hotels with more than 5,700 rooms, including those of the popular international chains.

Official hotels (best location relative to the 100+ Forum Russia venue):

ANGELO, 4*

55a Bakhchivandzhi Street
www.angelo-ekaterinburg.com
 E-mail: info@angelo-ekaterinburg.ru
 +7 (343) 272 65 55
 Single, standard **5500** RR/nigt
 Double, standard **6500** RR/nigt



RAMADA, 5*

15, 10th km of Ekaterinburg-Koltsovo Highway
www.ramadayekaterinburg.com
 E-mail: reservation@ramadayekaterinburg.com
 +7 (343) 259 35 37, +7 (343) 259 35 35
 Single, standard **5200** RR/nigt
 Double, standard **6200** RR/nigt
 Single, comfort **6000** RR/nigt
 Double, comfort **7000** RR/nigt



NOVOTEL Ekaterinburg Center, 4*

7 Engelsa Street
www.novotel.com
 E-mail: h6152-sl1@accor.com
 +7 (343) 253 53 83
 Single, standard **4000** RR/nigt
 Double, standard **5000** RR/nigt
 Single, junior suite **5200** RR/nigt
 Double, junior suite **6200** RR/nigt
 Single/ Double, suite **9000** RR/nigt



PARK INN by Radisson Ekaterinburg, 4*

98 Mamina Sibiriaka Street
www.parkinn.ru/hotel-ekaterinburg
 +7 (343) 216 6000
 Single, standard **3000** RR/nigt
 Double, suite **5000** RR/nigt



Hyatt Regency Ekaterinburg, 5*

8, Borisa Yeltsina Street
www.hyatt.com
 E-mail: ekaterinburg.regency@hyatt.com
 +7 (343) 253-12-34



For all the participants of 100+ Forum Russia transfers from the official hotels to the IEC “Ekaterinburg-EXPO” and back will be available on 05-07 October.

Hotel transfer schedule					
Group 1 (ParkInn, Novotel)			Group 2 (Angelo, Ramada)		
05 October					
Departure	Route	Arrival	Departure	Route	Arrival
8:00	Hotels – IEC	9:00	8:30	Hotels – IEC	9:00
18:00	IEC – Hotels	19:00	18:00	IEC – Hotels	18:30
06 October					
8:00	Hotels – IEC	9:00	8:30	Hotels – IEC	9:00
18:00	IEC – Hotels	18:50	18:00	IEC – Hotels	18:30
21:00	IEC – Hotels	22:00	21:00	IEC – Hotels	21:30
07 October					
8:00	Hotels – IEC	9:00	8:30	Hotels – IEC	9:00
16:00	IEC – Airport	16:30	16:00	IEC – Airport	16:30
16:00	Hotels – IEC	17:00	16:00	IEC – Hotels	16:30

10th General Assembly of the EUCEET Association

The 10th General Assembly of the EUCEET Association will take place in Ekaterinburg, Russia on 5th October 2017, after the EUCEET Association workshop, being included in the 100+ Forum 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.



For more information about this Forum please, visit <http://www.forum-100.ru/en/>

FROM MEMBERS

Aalto University, FI

The department of Civil Engineering in Aalto University has got an open call for postdoctoral positions. The deadline of the call is 31st of August 2017.



More information can be found: <http://www.aalto.fi/en/about/careers/jobs/view/1407/>

École des Ponts ParisTech, FR

INNOVATION OF CO-INNOVATION CENTER ENPC-TONGJI

24 May 2017



As part of the celebration of the 110th anniversary of Tongji University, a celebration was held in which one day was devoted to the École des Ponts ParisTech and to the inauguration of the ENPC-Tongji Co-Innovation Center. Based on the site of Tongji University, this center will focus on issues of transport and the sustainable city.

One of the key points of the École des Ponts ParisTech's strategy is the establishment of Co-Innovation centers in strategic locations around the world, where the needs for infrastructure, construction, urbanization and access to resources are necessary.

The purpose of these centers is to serve the French national industry and the local economy as well as to provide innovation through the establishment of bicultural diplomas, development of joint research projects, and support for entrepreneurship.

THESIS PRIZE 2017: RESULTS

02 May 2017

The 2017 thesis prize of the École des Ponts ParisTech, financed by the Fondation des Ponts, was awarded to Simon Gelin for his research on the deposit of silicon oxide films by vacuum evaporation.

On April 27, 2017, the jury was composed of:

- Jean-Philippe Torterotot, Deputy Director of Research and Innovation Ministry of Ecology,
- Louis-Michel Sanche, General Delegate of the Fondation des Ponts,
- François Lequeux, Honorary Scientific Director of ESPCI,
- Patrick Duvaut, Director of Research, Telecom ParisTech
- Anne Varet, Research Director at ADEME,
- Bruno Tisserand, Director, City Research Program, VEOLIA VERI
- Françoise Prêteux, Director of Research, École des Ponts ParisTech

Following the hearing of 9 candidates whose quality of performance was highlighted by the jury, Simon Gelin was awarded the thesis prize. Conducted at the Navier laboratory, under the direction of Anaël Lemaître, the thesis deals with the deposition of silica films, which consist of anti-reflective treatments for spectacle lenses. The electron gun vapor deposition phase, under vacuum and at ambient temperature, generates high compressive residual stresses which decrease the mechanical stability of the film.

In a particularly didactic presentation, Simon Gelin was able to explain the stakes of basic research, the experiments carried out, the results obtained and the transfer routes to the industrial partner Essilor.

THE GLOBAL EXECUTIVE MBA AT HONOR OF THE QS RANKING

24 April 2017

The Fox-Bridges Global Executive MBA is ranked 20th in the world for the newly created "Joint Global Executive MBA Ranking" published by the American firm QS. A deserved recognition for this program offered jointly in Paris by the École des Ponts Business School and Temple University.

This E-MBA develops unique skills in innovation, management and strategy in the digital age - which are the hallmarks of ENPC business school. It also emphasizes leadership and personal transformation through its individual executive coaching program.

THE ENPC OBTAINS THE QUALITY FLE (French as a foreign language)

04 April 2017

The FLE section of ENPC Languages and Cultures department was awarded the Quality Label FLE (French as a Foreign Language) with the congratulations of the jury. The committee awarded the maximum score in the section: 3 stars for all criteria (training, teachers, reception, accommodation and

management), highlighting the quality of welcome and support offered to international students in engineering training.

As a result of a quality assurance approach initiated by the Ministry of National Education, Higher Education and Research, the Ministry of Culture and Communication and the Ministry of Foreign Affairs and International Development, Label aims to identify, recognize and promote centers of French as a foreign language whose linguistic offer and services offer quality guarantees. This label will also contribute to the attractiveness of the ENPC abroad.

Ecole Spéciale des Travaux Publics, du Bâtiment et de l'Industrie (ESTP Paris), FR



ENGLISH TAUGHT SUMMER SCHOOL

"Smart Cities & Engineering for Sustainable Architecture"

3 - 21 July, 2017

EPF (former Ecole Polytechnique Féminine - Polytechnic School for Women) Graduate School of Engineering, a French "Grande École" located near Paris in partnership with ESTP Paris, a French "Grande École" in civil engineering, has decided to launch an innovative and dynamic Summer School on *Smart Cities & Engineering for Sustainable Architecture*.



The three weeks will be organized over Paris and Troyes (Champagne region) and will schedule lectures, conferences, round tables, workshops in teams, case studies, and cultural visits.

In a changing and more and more internationalized world, high level students should



be acquainted with “smart technologies” and have precise knowledge on engineering methods in the field of Sustainable Architecture.

EPF-ESTP **Summer Program on "Smart Cities & Engineering for Sustainable Architecture"** offers an in-depth study on topics such as engineering for eco-cities and smart cities, green issues, city planning and architecture for the future.

The program of EPF & ESTP Engineering Summer School comprises 2 modules.

1. The **first module** focuses on topics such as **eco-cities and smart cities**, city planning, spatial planning and economic issues for sustainable development (*Paris campuses: Sceaux and Cachan*).
2. The **second module** will focus on **practical application** using **innovative teaching methods** and modern technology. Workshops will include topics such as engineering for durable cities and buildings, energy efficiency in buildings, materials and structure for building’s preservation or thermal comfort (*Troyes campus*).

All students will take courses of French as a Foreign Language during the first week and **cultural visits** will contribute to a perfect understanding of the local social and professional environments.

Students will obtain **6 credits ECTS** for participating to the program.

An evaluation of students will take place at the end of each of the 2 modules.

Among the topics:

- Eco cities/smart cities: on overview of smart cities/projects in Europe
- City planning/spatial planning/architecture for the future
- Economic issues for sustainable development
- Engineering for durable cities and buildings
- Thermal comfort and indoor climate
- Energy efficiency in buildings
- Materials and structure for Building’s preservation

The **2-week workshop in module 2** will be based on a **real case study** suggested by the division of Urban and Sustainable Planning of Troyes.

Troyes is an interesting and enriching city which has kept the French heritage and the charm of a Medieval city. At the same time, **Troyes has adapted and renovated its constructions to put the human being at the center** of the project to be innovative, resource-efficient, secured and resilient and to embody the City of Tomorrow and be called a Smart city.

Professional and cultural events, field trips, the visit of smart buildings, a historic tour of Paris and Troyes city centers will complete the Summer School’s academic program.

Besides the academic courses, EPF & ESTP Engineering Summer School comprises a cultural program, which will allow students to discover 2 of the most beautiful areas of France: Paris & the Champagne region.

Students will discover the **splendid cultural heritage of France's capital city, Paris**, hosting many significant companies in the field of smart engineering and sustainable architecture. No need to say that they will also profit from the **Parisian world renowned cultural life** including world famous theatres, museums, opera houses etc.

They will also have the chance to discover the wonderful **medieval city of Troyes** and visit the **Champagne vineyards** in the Champagne-Ardennes region.

Cultural visits and field trips may include:

- **Cité de l'architecture et du patrimoine**, Paris (Museum for Architecture and Cultural Heritage)
- Visit of the **Domain and Castle of Sceaux**
- **Bateaux mouches** cruise on the Seine river
- Visit of **Troyes medieval City center**, organized by the Urban and Sustainable Planning Department of Troyes' City Hall
- Visit of a **Champagne vineyard** in the Champagne-Ardennes region.



More information on: <http://www.epf.fr/en/engineering-summer-school>

ESTP Paris is opening a brand new campus in Troyes (Champagne region) as soon as September 2017. The same curriculum and Master's degree of Civil Engineering will be delivered on this new campus.

University of Pisa, IT

University of Pisa is partner of the TA-SE Project (Tuning Asia South East) in the framework of Erasmus+ Capacity Building Action.



From 3rd to 5th May 2017 the first General Assembly was held at the University of Deusto. The project concerns the areas of Medicine, Civil Engineering and Teacher Education. During the three days, the CE Subject Area Group elected a coordinator and co-coordinator and defined a list of general and specific competences. At the same time a survey was planned in order to assess, among various stakeholders, which competences are considered more relevant and if any other suggestion is possible.

The presentation below provides with more details.

CIVIL ENGINEERING

TUNING ASIA – SOUTH EAST (TA-SE)

2 – 6th May 2017

Bilbao, Spain



Members

	Name	University	Country
1	Kimtho PO	Institute of Technology of Cambodia	Cambodia
2	Tri Joko WAHYU#	Institut Teknologi Sepuluh Nopember	Indonesia
3	Norhazilan NOOR	Universiti Teknologi Malaysia	Malaysia
4	Ahmad Farhan SADULLAH*	Universiti Sains Malaysia	Malaysia
5	Neil ESCALONA	University of San Augustin	Philippines
6	Karl B VERGEL	University of the Philippines	Philippines
7	Aphinat ASHAKUL	King Mongkut's University of Technology Thonburi	Thailand
8	Withit PANSUK	Chulalongkorn University	Thailand
9	Dondej TUNKTAKANPOUNG	Naresuan University	Thailand
10	Danh Thao NGUYEN	Ho Chi Minh University of Technology	Vietnam
11	Quynh Hoa TA	National University of Civil Engineering	Vietnam

* Coordinator

Co-coordinator

Experts/Observers

	Name	University	Country
1	Emilien AZEMA	Universite de Montpellier	France
2	Nantana GAJASENI	ASEAN University Network	Thailand
3	Diego LO PRESTI	Universita di Pisa	Italy
4	Shubhashree PAL	King Mongkut's University of Technology Thonburi	Thailand
5	Alfredo SOEIRO	Universidade do Porto	Portugal

COMMON BACKGROUND

- Almost all civil engineering programmes represented in the group has started the outcome based education and are familiar with Programme Outcomes
- These civil engineering programmes are largely governed by at least one or several engineering education quality/qualification system(s)

Agreed Consolidated Generic Competencies

1. Ability to work collaboratively and effectively in diverse contexts
2. Ability to use information and communication technology purposefully and responsibly
3. Ability to uphold professional, moral and ethical values
4. Ability to demonstrate responsibility and accountability towards the society and environment
5. Ability to communicate clearly and effectively
6. Ability to think critically, reflectively and innovatively
7. Ability to understand, value, and respect diversity and multiculturalism
8. Ability to carry out lifelong learning and continuous professional development
9. Demonstrate problem solving abilities
10. Ability to initiate, plan, organise, implement and evaluate course of actions
11. Ability to conduct research
12. Ability to demonstrate leadership attributes
13. Ability to apply knowledge into practice

SPECIFIC COMPETENCIES

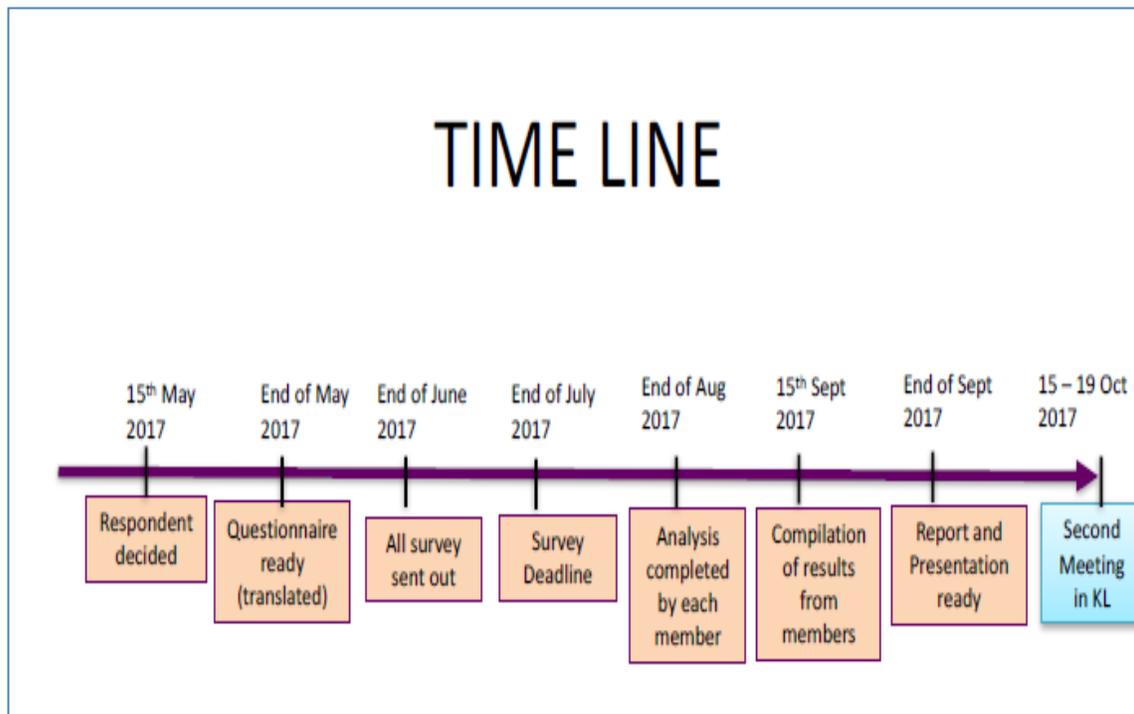
1. Ability to demonstrate entrepreneurial attributes (creative, risk taking, resilient and innovative) – transferred from the original generic competency
2. Ability to show strong knowledge in science and mathematics (including statistics)
3. Ability to interpret engineering drawings
4. Ability to create algorithm to solve engineering problems
5. Ability to understand principles of material science
6. Ability to carry out civil engineering analysis
7. Ability to interpret engineering data from testing
8. Ability to utilise relevant design codes and regulations
9. Ability to design civil engineering elements (e.g : structural, geotechnical, water, transportation and highway, environmental engineering, and others)
10. Ability to monitor the progress and quality of civil engineering works
11. Ability to identify the appropriate construction technology and methods
12. Ability to uphold safety
13. Ability to evaluate the impact of engineering decisions
14. Ability to integrate all civil engineering knowledge into a workable system

CONSULTATION PROCESS

- Stakeholders
 - Primary (compulsory)
 - Students
 - Alumni (former students)
 - Academic staff
 - Employer from the public sector
 - Employer from the private sector
 - Secondary (optional)
 - Professional bodies
 - Parents
 - Sponsors/financiers
 - Community representatives

Methodology

- We need to understand the survey tool to be used by Tuning Academy for this purpose
- We have agreed to empower team members to decide on
 - The number of samples per each category
 - The extent of additional civil engineering program owners to be included in their respective countries (coordination will be required when there are more than one university per country)
 - The need for and the actual translation work on the questionnaire questions will be carried out by the respective group members



Ural Federal University (UrFU), RU



III International Conference “*Safety Problems of Civil Engineering Critical Infrastructures*”

The III International Scientific and Practical Conference “*Safety Problems of Civil Engineering Critical Infrastructures*” was held on May, 16-17, 2017 in Ekaterinburg at the Ural Federal University (UrFU).

The conference was organized by the UrFU Institute of Civil Engineering in cooperation with partners: the Scientific and Engineering Center “*Reliability and Resource of Large Systems and Machines*” of the Ural Branch of the Russian Academy of Sciences and the European Civil Engineering Education and Training Association - EUCEET and was a great success. 90 presentations



Participants of the III International Scientific and Practical Conference “*Safety Problems of Civil Engineering Critical Infrastructures*”

from 150 authors were sent to the conference and 28 best reports were included in the conference program. 260 guests attended the event.

The conference was supported by the employers: NP Atomstroycomplex and the low-rise construction consortium of the Ural Construction Cluster NP. The high level of presentations, the depth of scientific research, the relevance of the issues under consideration and the high relevance of the results of all the reports, rendered difficult the task of the Organizing Committee in selecting the six best reports, to be awarded with prizes provided by NP "US" Atomstroycomplex".

The task of the conference was to provide a dialogue between specialists engaged in scientific research in the field 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 21st century - ensuring the safety and sustainable development of the Urals Federal District, Russia, the Eurasian region and the world generally.

The participants of the Conference discussed the problems of the current state of the theory and practice of applying the concept and methodology of risk analysis to solve various problems of ensuring safety and quality of life.

Reports and heated discussions tackled topics such as:

- Safety of Civil Engineering critical infrastructures and territories;
- Energy-efficient technologies and "green" construction;
- Sustainable development of urbanized areas;
- Competitive building technologies and materials of innovative type;
- Formation of a comfortable environment for human life;
- Optimization of resources at all stages of the life cycle of the building;
- From smart home to smart city;
- Application of information modeling technologies (BIM) in the construction industry;
- Education in the architectural and construction field;
- Estimated rationing and pricing in construction;
- Expertise and management in the construction industry.



Professor Vladimir Alekhin presents the prize from NP "US" Atomstroycomplex" to one of the best speakers

Technical University of Civil Engineering Bucharest (UTCB), RO



Universitatea Tehnică de Construcții București

At the Technical University of Civil Engineering Bucharest (UTCB) took place on 30-31 May 2017 the educational fair **CONSTRUCT FEST 2017**. This was a new event dedicated to those who want to study and work in the construction industry as well as to the companies in the field.



The event aimed to become a reference point for the construction market in Romania and for the future human resource in the field, current and future students.

The Construct Fest 2017 event hosted workshops, presentations and roundtables on various topics of interest in the field, guided tours on the campus and in the university's laboratories, cultural events organized by the Association of Students in Construction in Bucharest, visits to the efficient energy house EFdeN.

Two Fairs were also organized, one educational dedicated to students and one of construction companies for the benefit of students and graduates of UTCB.

The main purpose of the educational fair was to support high school students in obtaining the necessary information about the study programs of the faculties from the students of UTCB.

The company's fair offered UTCB graduates and/or masters and students jobs for both execution and design-research areas. It was also present the activities and achievements of the companies especially on the field of building innovation.

Workshops and roundtables brought together the main players in the construction industry: companies, employers, professional associations who debated the problems encountered in their work;

Were present representatives from Ministries, Embassies and 60 companies.

Here are pictures from different activities of the CONSTRUCT FEST 2017.



Universidad Politécnica de Madrid (UPM), ES



POLITÉCNICA
"Engineering the future"

At the Universidad Politécnica de Madrid (UPM) took place on 12th to 16th June 2017 the 14th International Staff Week, under the Erasmus+ framework.

50 teaching and non-teaching staff members from program countries (Belgium, Finland, Greece, Italy, Republic of Macedonia, Poland, Romania, Turkey and United Kingdom) and partner countries (Algeria, Republic of China, Taiwan, India) experienced Spanish culture and language with other colleagues.



Participants at the 14th International Staff Week 2017

ECCE – European Council of Civil Engineers



65th ECCE General Meeting
2nd – 3rd June 2017, Antalya, Turkey



The 65th ECCE General Meeting was held on 2nd – 3rd June 2017, in Antalya, Turkey, hosted by the Turkish Chamber of Civil Engineers (TCCE). On 1st June, the ECCE Executive Board meeting was held.

The 65th ECCE General Meeting was well attended.

The opening speeches were made by TCCE President Cemal Gökçe, ECCE Turkey Delegate Tuğrul Tankut and ECCE Immediate Past President and Acting President Włodzimierz Szymczak.

Among the distinguished guests were TCCE President Cemal Gökçe, TCCE Secretary General Hüseyin Kaya, TCCE Treasurer Cem Oğuz, ECCE Honorary Vice President Hermann Sturm and EAMC Secretary General Nicola Monda.

During the 65th ECCE General Meeting the **Azerbaijan Association “Support for the professional development of the civil engineers (ACE)”** joined ECCE as Associate Member for two years. Then the admission of ACE to ECCE as Full Member will be assessed.

In the meeting, the *ECCE activity report since October 2016* was presented by ECCE Acting President Włodzimierz Szymczak, ECCE Vice President/President Elect Aris Chatzidakis and ECCE ExBo Member Jose Francisco Saez Rubio. The ECCE Position Papers that are currently being elaborated were also presented and discussed in the General Assembly and the steps towards their finalization were figured. The Position Paper on *“Infrastructure and Water Management”* is being prepared by a team led by George Demetriou from Cyprus. The Position Paper *“Appropriate regulation for the practice of civil engineering in Europe”* is being prepared by Jose Francisco Saez Rubio from Spain and Aris Chatzidakis from Greece.

During the 65th ECCE General Meeting it was officially announced the event of *3rd European Engineers Day* that is co-organized by ECCE, ECEC and FEANI. Also, ECCE Acting President made known to the General Assembly that the Year 2018 will be proclaimed as the *“European Year of Civil Engineers”*. This initiative will be executed by ECCE in cooperation with its Members and the WCCE.

The initiative of the ECCE Member Georgian Society of Civil Engineers about the creation of a “*Seismic Engineering International Center (SEIC)*” in Georgia was also presented. This scheme will be under the umbrella of ECCE and it is commonly supported by all ECCE Members.

EAMC Secretary General Nicola Monda delivered a presentation regarding the *Engineering Association of the Mediterranean Countries* and their actions and plans. Additionally, the World Council of Civil Engineers (WCCE) - UNESCO partnership agreement was presented by WCCE Executive Director and ECCE ExBo Member Jose Francisco Saez Rubio.

Following the approval of the ECCE accounts for the year ending on 31 December 2016 and the presentation of accounts up to May 2017 by ECCE Vice President/Treasurer Dimitar Natchev, the meeting ended with the planning of the 2018 meeting programs and the 66th General Assembly meeting in October 2017.

The 66th ECCE General Meeting will be held in Vienna organized by the Austrian Federal Chamber of Architects and Chartered Engineering Consultants (bAIK) adjacent to the 3rd European Engineers Day. The spring meeting of 2018 will be held in Estonia organized by the Estonian Association of Civil Engineers. Finally, the autumn meeting of 2018 will be held in London organized by the Institution of Civil Engineers as part of a big celebration of Civil Engineering as it will be held together with the celebration of the 200th ICE anniversary, WFEO's 50th celebratory event and the Triennial with the American Society of Civil Engineers and the Canadian Society of Civil Engineers.

More information on: http://ecceengineers.eu/news/2017/65_ecce_meeting.php?id=41

FROM PARTNERS

Recognition of qualifications, a genuine European issue

Marie-Jo Goedert, Administrative and International Director of the CTI



CTI, as a *full member* of the *European Association for Quality Assurance in Higher Education* (ENQA), has been participating since 2015 in a working **group on quality assurance and recognition of qualifications in higher education**. This theme is part of a new criterion that appeared in the 2015 version of the ESG (*European Standards & Guidelines*): 1.4 Admission, progression, recognition and certification.

This working group, chaired by Teresa Sanchez, CTI officer and member of the Bureau of ENQA, presented the first conclusions of its work at a seminar organized on 1 and 2 June 2017 in Dublin. Teresa Sanchez and Marie-Jo Goedert, administrative and international director of the CTI, participated in the animation of the event.

The seminar brought together representatives of higher education institutions, quality assurance agencies and ENIC-NARIC (*European Network of Information Centers in the European Union*) centers.

The exchanges showed that **the Lisbon Convention on the Recognition of Qualifications concerning Higher Education is far from being implemented effectively** in the majority of European countries. However, the recognition of qualifications is a real challenge for the mobility of students and professionals, and for managing the reception of refugees. In terms of recognition of learning outcomes of non-formal and informal learning, **the French procedure for Validation of Acquired Experience (VAE) has been identified as exemplary**.

The final report of the working group, including the conclusions of the seminar, will be published during the summer of 2017 on [the ENQA website](#).

The work of the ENQA working group will continue with the European project supported under the ERASMUS + program, LIREQA *Linking academic recognition and quality assurance* (see the [April CTI newsletter](#)).

EUA (European University Association)

1st European Learning & Teaching Forum

Meeting Challenges Together

28 – 29 September 2017, Paris, France



The European Learning & Teaching Forum facilitates the exchange of experience on learning and teaching in changing learning landscapes.

Organised by EUA in collaboration with the Conférence des présidents d'université (CPU) and hosted by University Pierre and Marie Curie (UPMC), Paris, France



The European Learning & Teaching Forum is EUA's new event that aims to provide an opportunity for institutional representatives to meet and discuss developments in learning and teaching at European universities. The topics covered will span from good practice in teaching enhancement and institutional strategies through to national and European policies. The Forum is in particular aimed at institutional leadership and management with responsibility for learning and teaching, directors of learning centres and

learning labs, and academic staff and researchers, but is also open to policy-makers and other interested stakeholders.

The Forum builds on EUA's work with its member universities on this topic. Over the past year, EUA has coordinated [thematic peer groups](#) where universities across Europe contributed to the exchange of good practices on various organisational, educational and qualitative aspects of learning and teaching. The lessons learnt from these groups will be presented and discussed in the Forum by the universities involved. Alongside this bottom-up approach, the Forum makes use of EUA's extensive policy work to further the European discussions on learning and teaching enhancement. In this sense, the Forum participants will be provided with recent updates on EUA's work in [the EFFECT project](#) and outcomes of the latest [Trends](#) survey. Finally, the Forum discussions will feed into the forthcoming policy statement on the core principles for successful learning and teaching across Europe.

More information on: <http://www.eua.be/activities-services/events/event/2017/09/28/default-calendar/european-learning-teaching-forum>

12th European Quality Assurance Forum**Responsible QA: committing to impact**

23-25 November 2017, University of Latvia, Riga, Latvia



The 12th EQAF will explore current developments in research, policy and practice from across Europe that tackle the need for QA to meet the needs of a wide range of internal and external stakeholders.

QA, whether aiming at accountability or enhancement, needs to be carried out in a transparent and responsible manner. This means finding ways of responding to the needs and interests of internal and external stakeholders. The 12th European Quality Assurance Forum (EQAF) will explore how this can be done in practice, examining issues such as communication, ethics and the concept of change in QA.



The 2017 EQAF, organised by ENQA, ESU, EUA and EURASHE, will take place on 23-25 November 2017, hosted by the University of Latvia in Riga, Latvia.

Through a mix of plenary and parallel sessions, the Forum, entitled '**Responsible QA: committing to impact**', will combine practice-oriented or research-based discussions that will take place in the paper sessions and workshops with presentations of current developments in quality assurance. The Forum provides an opportunity for participants to update their knowledge and extend their professional development.

Each year EQAF provides a platform for discussion, professional development and exchange of experiences among the main stakeholders in quality assurance (QA). Specifically, the Forum will be of interest to rectors and vice-rectors responsible for QA, QA officers in higher education institutions, students, QA agency staff and researchers working on higher education or the QA field.

More information: <http://www.eua.be/activities-services/events/event/2017/11/23/default-calendar/12th-european-quality-assurance-forum>

9th AECEF International Symposium

14 November 2017,
Prague, Czech Republic

The Association of European Civil Engineering Faculties with the participation of civil engineering faculties from non-European countries (AECEF) was founded under the initiative of the Faculty of Civil Engineering of the Czech Technical University in Prague on 14th September 1992.

To date, 22 Universities and 3 individuals from 17 countries are members of the Association (Belarus, Canada, Croatia, Czech Republic, Estonia, Finland, Greece, Hungary, Ireland, Latvia, Lithuania, Poland, Portugal, Romania, Russian Federation, Slovak Republic, and United Kingdom).



The 9th AECEF symposium will be organized in Prague on November 14th, 2017 to celebrate the 25th anniversary of the AECEF foundation.

The 9th AECEF General Assembly will also be held as a part of the Symposium.

In 2017, the Czech Technical University in Prague also commemorates the 310th anniversary of its establishment.

FROM THE EUROPEAN UNION

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



Guide to Mobility Tool+ is now online

Looking for information on how to manage your Erasmus+ projects?
Want to know more about the Mobility Tool+?



Check out the new guide for beneficiaries, now available online. [Check it out!](#)

Mobility Tool+ is the information system that allows Erasmus+ beneficiary organisations to manage their project information, request individual participants' reports and submit final reports to their National Agencies. Your Erasmus+ National Agencies also use Mobility Tool+ to monitor and validate project information.

Interested in using the tool? You do not need to worry about requesting access. The project contact person of the beneficiary and/or coordinating organisation, as mentioned in the National Agency Project Management System, is automatically granted access. This contact person will be able to grant you access in the Mobility Tool+

Want to know more about how to use Mobility Tool+? The online guide explains the different steps to take with screenshots and clear explanations. It is directly available from the [Mobility Tool+ homepage](#). **Please note that only beneficiaries of Erasmus+ projects can access the Mobility tool.**

More information: https://ec.europa.eu/programmes/erasmus-plus/news/20170519-guide-mobility-tool-is-online_en

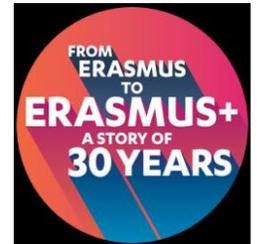
EU proposes enhanced partnership with Africa on peace and security, and job creation for youth

The proposal identifies three objectives for building an EU-Africa alliance to address common global and regional challenges: a **stronger mutual engagement and increased cooperation** bilaterally and in the international arena, based on common values and shared interests, **security**, on land and on sea, and the **fight against transnational threats and sustainable and inclusive economic development** in Africa, in order to create the jobs that the continent needs.

More information: http://europa.eu/rapid/press-release_IP-17-1189_en.htm

FROM ERASMUS TO ERASMUS+**Erasmus+: shaping Europe's future**

What started as a student mobility programme in 1987, has grown into something bigger and enriched the lives of more than 9 million direct participants, not to mention the indirect impact it has had on so many others. That's why in 2014 many programmes were combined into one: Erasmus+.



This platform for European and international mobility and cooperation brings people from different backgrounds together. It provides them with the competences needed to lead independent, fulfilling lives and helps them find their place in our societies and develop a sense of a European identity – an identity that complements the national, regional, local identities.

The 30th Anniversary of Erasmus coincides with another milestone of European integration: the 60th Anniversary of the Treaty of Rome, which promotes an ever-closer union within Europe. Both anniversaries celebrate a common goal: uniting European people.

Widely recognised as the most successful EU programme, Erasmus+ provides a concrete example of the positive impact of European integration and international outreach, having enriched the lives of nearly 2 million people from Europe and beyond between 2014 and 2016 alone!

So it seems only right that 2017 will be a year of both celebrating all the things Erasmus+ has achieved so far, but also a year to reflect on the future Europe to be built together!

Throughout 2017, there will be a number of events held all over Europe depicting the story of Erasmus+ and its predecessors over the last 30 years. Celebrations, conferences, debates, dialogues, exhibitions, forums and more will be organised at local, national and European levels.

More information: https://ec.europa.eu/programmes/erasmus-plus/anniversary/30th-anniversary-and-you_en

NEWS FROM THE WORLD

International Conference on Advances in Construction Materials and Systems

03 - 08 September 2017

Chennai, India



The conference covers several themes related to construction materials and systems, with the objective of providing the state of the art coverage on cement and asphalt concrete, heritage materials, and building systems. Are expected participants from the industry, both local and international, who will also set up a large exhibition of construction material related products. The interactions and discussions at the conference are expected to significantly contribute to the process of infrastructure development that is currently in full swing in India.

Conference themes:

- Advances in supplementary cementing materials
- Concrete durability and performance specifications
- Early age behaviour and rheology of cementitious systems
- Special concretes and applications
- Advances in characterization of construction materials
- Sustainable building systems
- Bituminous binders and mixtures
- Repair and conservation of heritage structures

More information: <http://www.rilem2017conference.org/index>

XI International Symposium on Permafrost Engineering

05 - 08 September 2017

Magadan, Russia



The aim of the Symposium is to provide a forum for discussion of permafrost engineering issues, as well as for exchange of practical experience in construction and maintenance of engineering structures on frozen ground.

Symposium themes include:

1. Permafrost as foundation, enclosing and construction material.
2. Physical, thermal and mechanical properties of permafrost and their changes due to external loads.
3. Control of engineering properties of permafrost soils during construction and service life of projects.
4. Urbanization in permafrost regions: experience, problems and prospects.
5. Construction, operation and maintenance of linear, mining and hydro-engineering structures on permafrost: case studies, problems and prospects.
6. Engineering site investigations and construction technologies for permafrost regions.
7. Regional climate changes and permafrost response.

More information: <http://mpi.yzn.ru/en/permafrost-engineering-symposiums>

19th International Conference on Soil Mechanics and Geotechnical Engineering (19th ICSMGE)

17 – 22 September, 2017

Seoul, Republic of Korea



The theme of the 19th ICSMGE is “*Unearth the Future, Connect Beyond []*.” It is about bridging the gaps between past and future, between young and senior engineers, and between developing and developed nations among others. Making these connections is the key to greater innovations. The logo for the 19th ICSMGE symbolizes the vision where the colours represent how well and harmoniously living organisms, groundwater and strata coexist- the way we hope different regions can coexist in harmony- while the waves represent the Han River, which is the heart of Korea’s economic growth.

The 19th ICSMGE will prepare various programs, including a Plenary Session, Parallel Sessions, ISSMGE Honour Lectures, iYGEC, Technical visits, and exhibitions.

Seoul, the 600-year old capital of the Republic of Korea, is an ineffable international city where traditional and modern cultures coexist side-by-side in perfect harmony. Seoul is home to 266 cultural properties including five grand royal palaces and is also a proud centre of the “Korean Wave” pop culture phenomenon that is adored by global citizens across borders. Foreign travelers are entitled to enjoy the city without any trouble as Seoul boasts an extensive public transportation system including convenient subways, buses and taxis serviced in four languages for foreign travelers, along with remarkably low crime rates and friendly people.

Topics

Topic 1: Laboratory Testing and Modelling

Topic 2: Small and Large Works

Topic 3: Natural Hazards

Topic 4: Environmental Preservation and Sustainable Development

Topic 5: Geotechnical Cultures and Responsibilities

Topic 6: Future Technological Innovation

More information on: <http://www.icsmge2017.org/>

4th ICEES — 4rd International Conference on Earthquake Engineering and Seismology

11 - 13 October 2017

Eskişehir, Turkey

As one of the main threats of life and property safety, earthquakes constitute one of the most important issues for Turkey. Earthquake hazard is a significant concern in major part of the country. Principal aim of the 4rd International Conference on Earthquake Engineering and Seismology (4ICEES) is to bring all national and international researchers within the earthquake engineering and seismology disciplines together, and to facilitate their participation in a scientific environment.



In the fourth conference, which will be held in Eskişehir city with the participation of numerous universities, governing bodies and private sector companies, presentations and discussions will be organized through parallel sessions.

Each session will focus on a particular theme. There will be no invited speaker in the conference and every participant will have equal opportunity to present the research findings if approved by the Scientific Committee.

Topics

1. Seismology and seismotectonics
2. Attenuation relationships and seismic hazard
3. Strong ground motion
4. Earthquake source models
5. Microtremor analysis
6. Seismic networks
7. Seismic wave analysis
8. Tsunami
9. Wave analysis
10. Artificial intelligence methods / applications
11. Pre-earthquake studies
12. Earthquake studies in applied geology
13. Remote sensing applications in earthquake studies
14. Geographic Information Systems applications in earthquake studies
15. Seismic safety of dams and bridges
16. Geotechnical earthquake engineering
17. Experimental research on existing structures
18. Seismic safety of buildings
19. Tall buildings
20. Structural analysis and structural health monitoring
21. Earthquake resistant reinforced concrete structures
22. Earthquake resistant masonry structures
23. Earthquake resistant steel structures
24. Strengthening and rehabilitation works
25. Seismic isolation and vibration control
26. Earthquake codes and regulations
27. Recent earthquakes
28. Urban risks and loss estimation studies
29. Disaster management
30. Disaster-sensitive society
31. Advanced technologies in disaster management
32. Post-earthquake settlement planning
33. Urban transformation
34. Earthquake and urban & regional planning: disaster-sensitive planning and seismicity
35. Earthquake resistant design
36. Earthquake and architecture
37. Historical structures threatened by earthquakes
38. Paleoseismology and the effects of the big earthquakes in history on the settlements

More information:

<http://www.tdmd.org.tr/TR/Genel/KonferansAnaSayfaEN.aspx?F6E10F8892433CFFAAF6AA849816B2EFB0FF6CAD6E83E4E>

Urban Climatology Initiatives (UCI)

14-16 January 2019

Sharm Elshekh, Egypt



Urban climatology refers to a specific branch of climatology that is concerned with interactions between **urban areas** and the **atmosphere**, that affects one another, and the varying spatial and temporal scales at which these processes and responses occur.

Cities for example are places of concentrated energy consumption and the main producers of waste, pollution and climate change.

Urbanization and **human activities** in cities have led to **micro-climatic changes** that has important implications for inhabitants health, and comfort as well as, for the energy use and environmental quality.

These topics are discussed from the perspective of an environmentally **sustainable** approach to urban and architectural design focusing on design of urban open spaces.

The environmental design objectives for open spaces are to influence their micro climates so as to improve amenity and use of such spaces, as well as contributing to a cleaner and healthier urban environment to establish the contribution from such climatic improvements to the wider **urban microclimate** of cities.

IEREK (International Experts for Research Enrichment and Knowledge Exchange) is hosting this conference as an initiative, to improve our surrounding by coming out of UCI with a set of recommendations that might be useful to our environment and its climate.

Conference Topics

1. Climate changes & City regulations.
 - Cities in climate models (global and regional scales).
 - Climate services for cities.
 - Amendment and development of planning regulations.
 - Resilience Cities.
 - Remotes Sensing of Cities -Energy supply and demand in cities.
 - The role of urban climates -Potential of low carbon.
 - Based economies, smart agricultural and food systems.
 - Importance of Education and Innovative Academic Program taking the Problem.

2. Environment & Natural features.
 - Governance challenges for tackling urban heat.
 - Boundary layer and canopy layer Urban Heat Islands.
 - Surface and subsurface Urban Heat Islands.
 - Surface energy and water balances.
 - Greenhouse gases in the urban environment.
 - Flows and dispersion in the urban canopy layer.

3. Urban Design Impact.
 - Sustainable design practices.
 - Morphological urban design.
 - Precipitation/fog/clouds -Air quality/aerosols/radiative transfers in the urban boundary layer.
 - Building climates.
 - Urban Risks.
 - Simulation Modeling.

4. Principals & Future strategies.
 - Urban weather forecasting -Indicators and climate maps.
 - Storm surges and flooding maps.
 - Warning plans -Public policies.
 - Incentives for adoption/implementation of mitigation and adaptation plans.
 - Forecasting and impacts of extreme weather events.

More information: <https://www.ierek.com/events/international-conference-urban-climatology-initiatives-uci/>

Date	Event	Place
05.10.2017	Workshop EUCEET Association <i>“Trends and challenges in civil engineering education in Europe”</i>	Ekaterinburg, RUSSIA



10th General Assembly of the EUCEET Association

13–16.11.2017	2017 World Engineering Education Forum (WEEF2017)	Kuala Lumpur, MALAYSIA
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<http://www.weef2017.org/>

16-18.11.2017	<i>10th annual International Conference of Education, Research and Innovation</i>	Seville, SPAIN
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<https://iated.org/iceri/>

Date	Event	Place
7-9.06.2018	Danube-European Conference on Geotechnical Engineering (DECGE) 2018	Skopje, R. MACEDONIA



<http://www.decge2018.mk/>

24-26.07.2019	International Conference on Structures and Architecture	Lisbon, PORTUGAL
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www.icsa2019.com

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