

International Round Table Conference on Continuing Engineering Education

*Engineering Competencies
for the Future Shock – The
growing importance of
Continuing Engineering
Education*

**Brussels – 8th and 9th
October 2018**

Organized by



SEII

European Society for
Engineers and
Industrialists

in collaboration with



IACEE

International Association for
Continuing Engineering Education

Tags : *Continuing Engineering Education – Engineers' new skills and talents – The digital university – Changing economy : globalization & competitiveness – Engineering sustainability – Employability – University-business partnering – Forecasting and decision engineering – Innovation – Intergenerational relationship*

Continuing Engineering Education (CEE) takes on a **growing importance**, as a result of the accelerating pace of technological development. This factual statement, though generally admitted, hides a number of issues and challenges :

- An 'operational' challenge linked with the **difficult dialog** between universities and industry :
 - Industry calls for engineers having a broader set of competencies, such as “soft” skills, digital literacy and the ability to work in a globalized world.
 - Universities and other HE schools, though making some efforts to respond to that demand and to improve their offer of continuing education, have still far to go.
 - And there is less and less time to fill in the gap.
- A number of '**social**' issues, as for instance :
 - A phenomenon of deindustrialization, observed in a number of countries, particularly in Europe.
 - A certain lack of attractiveness towards the engineering profession, particularly among female students.
 - A strong trend to act reactively rather than proactively, even in the higher realms of 'political' decision-makers.
 - The 'authorities' lack of willingness to politically and financially sustain initiatives and programmes in that field.

The **aim of this International Round Table Conference** is to deal with the challenge of providing engineers with the competencies that are sought after by today's and above all tomorrow's industry, and also required for the well-being of humankind, with an emphasis on :

- The provision of CEE : both tools and content (including the question of intergenerational relationship at work).
- The specific needs of Europe (as compared to other parts of the world).
- The development of a long term sustainable approach (to foster proactive solutions).

The conference will be divided in **two parts** : first a series of relatively short **presentations** made by some stakeholders from academia, industry and the world of engineers, and second a relatively long and carefully prepared **debate** (which will be **video-recorded**) between the audience and a panel composed essentially of the speakers. Both parts will lead to a number of recommendations.

Please find on the next pages the provisional programme of this International Round Table Conference, followed by practical information about venue, accommodation and registration. You will be kept informed when this programme is completed. **Registration is already open.**

With the support of :



Provisional Programme

Monday 8th October afternoon

- 13 h 15 **Registration of participants begins**
- 14 h 00 **Conference begins.** Chairman of the Conference : Prof. Em. Dr. Yvan BRUYNSERAEDE, Faculty of Sciences at KU Leuven, member of the Royal Academy of Belgium
- 14 h 10 **Welcoming address by Robert LECLÈRE, President of SEII, and Soma CHAKRABARTI, President of IACEE**
- 14 h 30 **“Introduction to the conference”**, by Marc GOOSSENS, Secretary General of SEII and Head of the Organizing Committee of the Conference. **Objective of his presentation** : describe the evolutionary context of the matter in hand, place the different presentations in the current context and introduce the debate that will conclude the conference.
- 15 h 00 **“Deliberate Innovation for Tomorrow’s Lifetime Learners”**, by Nelson BAKER, Dean of Professional Education at Georgia Institute of Technology, USA, & Secretary General of IACEE. **Objective of his presentation** : develop IACEE point of view about the matter in hand.
- 15 h 30 **“New Skills and Talents for New Jobs in a Changing Economy”**, by Jacques SPELKENS, Head of Corporate Social Responsibility Benelux, ENGIE. **Objective of his presentation** : describe in some details the various factors that influence the competencies that companies expect from their engineers.
- 16 h 00 **Coffee break**
- 16 h 30 Another point of view of Industry (title not yet known), by Léopold DEMIDDELEER, Founder & Managing Director of TechBridgeOne, member of the Royal Academy of Belgium ⁽¹⁾. **Objective of his presentation** : give an industrial point of view focusing on Continuing Engineering Education.
- 17 h 00 **“The importance of Continuing Engineering in China”** (provisional title), by Xiujun WU, Executive Director, China Association for Continuing Education Engineering (CACEE), Beijing ⁽¹⁾. **Objective of her presentation** : describe China’s experience of Continuing Engineering Education.
- 17 h 30 **“Engineering a Sustainable Future – The SERINA project”**, by Errol LA GRANGE, Co-founder & CEO, CPDlive Pty Ltd, Melbourne, Australia. **Objective of his presentation** : explain why sustainability is important for engineers, how it can be a matter of Continuing Engineering Education, and what the SERINA project consists of.
- 19 h 30 **Gala dinner at the University Foundation (optional)**

Tuesday 9th October morning

- 08 h 30 **“Partnering with universities to help companies bridge the digital skills gap”** (provisional title), by Diane MORGAN, Global Managing Director, Trilogy Education Services Inc., London Office. **Objective of her presentation** : explain how a specially dedicated company can facilitate educational partnership between academia and companies.
- 09 h 00 **“Digital Transformation of Higher Education”**, by Yves DEVILLE, Professor, Louvain School of Engineering, UC Louvain. **Objective of his presentation** : describe why and how digitization of society will impact the way of working of universities.

¹ To be confirmed. In case of impossibility, they will be replaced by someone having a similar expertise.

- 09 h 30** “*Systemic Complexity in Decision Engineering*”, by **Pierre KUNSCH**, Dr Ph.Sc., Professor, Brussels Free Universities. **Objective of his presentation** : *explain why many decisions about the future of any complex system may cause unwanted effects and how an approach based on systems dynamics can remedy such a problem.*
- 10 h 00** **Coffee break**
- 10 h 30** **DEBATE** with the audience and a panel composed of the various speakers (**video-recorded**)
- 12 h 30** **Conference ends**

Organizing Committee :

Marc GOOSSENS, Secretary General of SEII, Head of the Organizing Committee of the Conference

Michel VAN HECKE, Founding President of SEII (representing SEII)

Alfredo SOEIRO, Associate Professor of Civil Engineering, Universidade do Porto (representing IACEE)

Jacques SPELKENS, Head of Corporate Social Responsibility Benelux, ENGIE

Practical information

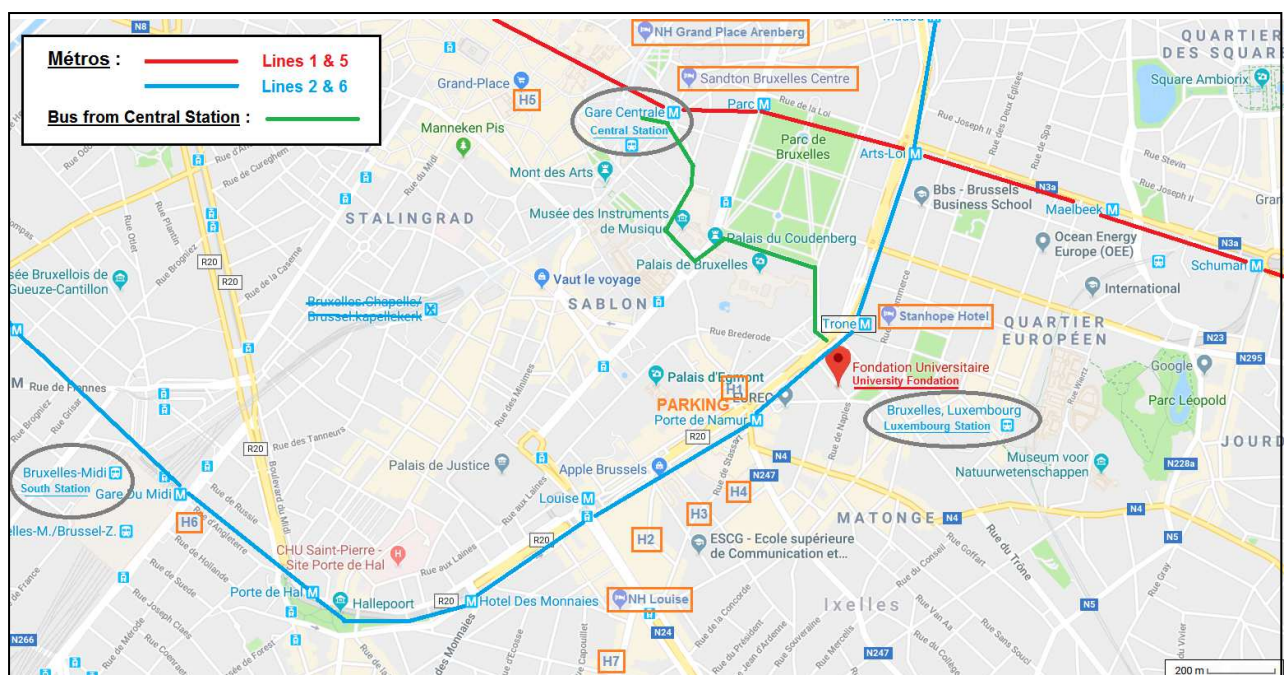
Dates : Monday 8th (afternoon) and Tuesday 9th (morning) October 2018

Venue : University Foundation – Rue d’Egmontstraat, 11 – 1000 Brussels – Belgium ([see map below](#))

Transportation (besides taxi) :

- From Brussels Airport to City Centre : - *Train to Central or South Station, or*
- *Express bus, line 12 (or 21) to Luxembourg Station*
- From South Station to Venue : *Metro (lines 2 or 6, direction ‘Elisabeth’), step down at Trône/Tron (see map)*
- From Central Station to Venue : *Bus (lines 38, direction ‘Héros/Helden’ or 71, direction ‘Delta’), step down at Trône/Tron stop (see map)*
- From Luxembourg Station to venue : *walking (see map)*

Parking : Porte de Namur / Naamsepoort ([see map](#))



Registration

Registration fees (including VAT) :

Categories of participants		Early Registration Rates (payment made before 29 September 2018)			Late Registration Rates (payment made after 28 September 2018)		
		Conference only	Gala dinner only	Conference & gala dinner	Conference only	Gala dinner only	Conference & gala dinner
1.	Speakers, chairman and/or members of the organizing committee	€ 0	€ 50	€ 50	€ 0	€ 50	€ 50
2.	Members of SEII and/or of IACEE (except those of category 1)	€ 135	€ 65	€ 200	€ 150	€ 75	€ 225
3.	Members of SEFI, of EUCEN and/or of the University Foundation (except those of categories 1 or 2)	€ 150	€ 70	€ 220	€ 175	€ 80	€ 255
4.	Students	€ 25	€ 40	€ 65	€ 35	€ 50	€ 85
5.	Other participants	€ 170	€ 75	€ 245	€ 200	€ 85	€ 285

A registration form is available on our website (www.sei.org), allowing payments by **either credit card or bank transfer**. In both cases, you will receive an invoice after payment.

Accommodation

- For the **speakers who need a room**, for the **chairman of the conference**, and for the **members of IACEE Executive Committee** (and, possibly, of IACEE Council), rooms are available, at a discount price (105 €), at the hotel of the University Foundation (venue) for the necessary days (IACEE meeting and/or conference). Please confirm the necessary nights by mailing to info@seii.org.
- For **other participants**, there are two possibilities :

1. We concluded an agreement with **Brussels Booking Desk**, which will propose you online reservations at preferential rates, with instant booking confirmation. Note that preferential rates will expire on Tuesday, September 11th, 2018. The hotels concerned by their reservations are the following 4 or 5 stars hotels (they are located on the above map in an orange rectangle, as below) :



Cédric Devos
Accommodation Consultant
booking desk
brussels

bip - visitbrussels
Rue Royale 2-4 Koningstraat
Bruxelles 1000 Brussel

c.devos@brusselsbookingdesk.be
T. +32 2 552 00 08
M. + 32 472 816 224
www.brusselsbookingdesk.be



Sandton Brussels Centre	NH Louise	NH Grand Place Arenberg	Stanhope Hotel
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You can get in contact with them through the following link :

<https://secure.hotel.visitbrussels.be/event/international-round-table-conference-on-continuing-engineering-education/congress/search>

2. If you prefer a 3 stars hotel, here is a list of seven of them, situated not too far from the venue (they are also located on the above map). You can easily get in contact with them through Google, but note that, as organizers of this event, we have no agreement with them.

H1	Hôtel Chambord	H2	Argus Hôtel Bruxelles	H3	Hygge Hotel
H4	Aqua Hotel Brussels	H5	Ibis Hotel Brussels off Grand'Place	H6	Ibis Hotel Centre South Station
H6	Ibis Hotel Centre South Station	H7	Ibis Hotel Styles Centre Stéphanie		

Note that, from the 8th to the 11th October 2018, the **“European Week of regions and Cities”** will be going on in Brussels, with many visitors from abroad. Therefore, we recommend you not to wait too long before booking a room.

Other information ? Mailto : info@seii.org

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