

PARTICIPANTS

The conference will be of particular interest to engineering academics, professional bodies, accreditation agencies and HR personnel in industry.

ACCOMMODATION

A number of rooms have been reserved in hotel Palatino which is a short walk from the conference venue.

Bookings may be made up to 29th December 2010.

To benefit of the preferential rate of €138 single room or €159 double room (breakfast included) please mention the following: *CLAIU-EU Conference 11 and 12 February 2011.*

Palatino Grand Hotel Roma

Via Cavour, 213/M • 00184 Roma

Tel. +39 06 4814927

Fax. +39 06 4740726

E-mail: info@hotelpalatino.com

Web: <http://www.fhhotelgroup.it>

(click the "Grand Hotel Palatino" button)

REGISTRATION FEES

CLAIU EU members	€ 150
Non-members	€ 200
Conference Dinner <i>(pp/ delegate or accompanying person)</i>	€ 90

REGISTRATION

Please complete the [on-line registration form](#). An invoice will be sent and full payment is required upon registration. Cancellations must be made in writing (letter) and reach our office not later than Friday 28th January 2011.

CONFERENCE COORDINATOR

For any further information please contact Ms A. Van Eycken

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Rue Hobbema 2 • 1000 Brussels • Belgium



ABOUT CLAIU-EU

CLAIU-EU (Council of Association of long-cycle Engineers, of a university or higher school of engineering of the European Union) provides a Forum for consultation and collaboration within Europe among associations of engineers who have broadly been educated to Master degree level. The objectives of **CLAIU-EU** serve to promote the interests of engineers who have followed a more theoretically oriented education and who are concerned with fundamental concepts and their practical application.

CLAIU – EU CONFERENCE

“The Formation of the Engineer – International Models”

To be held at

**Università “Sapienza”
Faculty of Engineering
Sala del Chiostro**

Via Eudossiana 18 - Rome, Italy

Fri/Sat, 11th – 12th February 2011



FACOLTÀ DI INGEGNERIA
CIVILE E INDUSTRIALE

SAPIENZA
UNIVERSITÀ DI ROMA

OBJECTIVES

The 2011 CLAIU EU Conference will focus on the different approaches to the formation of the professional engineer. This will include the continental European model which considers that the process is completed through a five year Master degree programme in engineering. This model will be compared to the process which prevails in jurisdictions of the Washington Accord signatories, that is, a formal education process normally through a four year Bachelor degree followed by a period of approximately four years working in industry developing professional competences.

The conference will also deal with approaches to the education and formation of engineering technicians and technologists and how these professionals contribute to industry and the profession.

The CLAIU-EU Conference is organised in collaboration with the Università Sapienza Roma, Faculty of Engineering and the Consiglio Nazionale degli Ingegneri.

The topics to be covered will include:

- The formation of the Professional/Chartered Engineer
- The European approach to engineer formation - the Master degree
- The Applied versus the Theoretical approach
- The role of the engineering technician/technologist
- The views of Industry

PROGRAMME DAY ONE

Friday 11th February 2011

13:00 Registration and lunch buffet

SESSION 1 Formation models

13:45 **Welcome Address**
Denis McGrath, *President CLAIU-EU*

14:00 **Professional Competence Approach to Engineering Formation, Assessment and Registration**
Richard Shearman, *Director of Formation and Deputy Chief Executive Engineering Council, United Kingdom*

14:45 **The Formation of the Chartered Engineer**
Bill Grimson, *Chartered Engineer, Member of the Executive Engineers Ireland*

15:30 Coffee break

15:45 **The Licensing Process of the PE- Professional Engineer in the United States**
Christopher M. Stone, *P.E., F.NSPE, F.ASCE, LEED AP, President, National Society of Professional Engineers, U.S. A.*

16:30 **The Education of the "Practically Oriented" Engineer**
Marc Demolder, *Member Board of Directors, VIK - Flemish Engineers Chamber/ Vlaamse Ingenieurskamer, Belgium*

17:15 **Conception Engineers versus Application Engineers: the Views of Industry**
Ir. M.Ph.Sc Marc Goossens, *Director European Society for Engineers and Industrialists, Belgium*

18:00 Conclusion of Day One

20:00 Conference Dinner

PROGRAMME DAY TWO

Saturday 12th February 2011

08:45 Welcome coffee

SESSION 2 The Curriculum

09:00 **Engineering Education: Theoretical vs. Applied Approach**
Prof. Sebastião Feye de Azevedo, *Professor of Chemical Engineering, Dean of the Faculty of Engineering, University of Porto, Portugal*

09:45 **The Academic Criteria for "Dottore Magistrale in Ingegneria (Laurea Magistrale)", a Theoretical Approach**
Prof. Dr Ingegnere Fabrizio Vestroni, *Professore ordinario di Scienza delle Costruzioni and Dean of the Faculty of Engineering, Sapienza Università di Roma, Italy*

10:30 **Programme Accreditation and Institutional Review**
Giuliano Augusti, *President of ENAEE- European Network Accreditation of Engineering Education, Italy*

11:15 Coffee Break

11:30 **The Engineering Master degree in Switzerland**
Prof. Sylvie Villa, *Ing. Phys. Dipl. EPFL, Head of Engineering and Architecture Studies, University of Applied Sciences of Western Switzerland (HES-SO), Switzerland*

12:15 **The Contribution of Research Excellence towards creating high Academic Standards in Master Degree Programmes**
Prof. Erik de Graaff, *TU Delft/University of Aalborg, member SEFI Administrative Council and Bureau, Chairman SEFI TF on Sustainability in EE and Chief Editor of the EJEE, the Netherlands*

13:00 Plenary Discussion

13:30 Conclusion of Conference and Closing Drink