



Invitation

Workshop

**March 24th
2011**

**Building with sandwich panels:
fast, safe and energy saving**
**Construcción con paneles sandwich:
rápida, segura y eficiente**

**Col.legi oficial d'Enginyers Industrials de Catalunya
Via Laietana nº39 - Barcelona - Spain**

Host company: APIP'ÑA is a member of EASIE PROJECT



- ▶ Increase the performances of your sandwich panels
- ▶ Develop the use of sandwich panels in the building sector
- ▶ Discover the practical results of the EASIE research program on sandwich panels

The EASIE Project has received support from the European Community
EASIE Project is a program research on sandwich panels for the benefit of SMEs

Register now as the number of participants is limited

WWW.EASIE.EU

Workshop Program

9:00	Introduction
9:15	Load bearing behavior; How is a sandwich panel working? <i>Prof. Dr.-Ing. Jörg Lange – Technische Universität Darmstadt - Germany</i>
10:00	Allowable span tables on the base of the CE-mark <i>Prof. Dr.-Ing. Klaus Berner - IS Engineering</i>
10:45	APIP'ÑA “Asociación de fabricantes de paneles sándwich de poliuretano de España” <i>Neus Comas, General Secretary</i>
11:00	Coffee
11:15	Sandwich panels and architecture <i>Michiel Cohen, architect - The Netherlands</i>
12:00	Sustainability in Sandwich Panel Construction <i>Dr.-Ing. Markus Kuhnhenne – RWTH University Aachen</i>
12:45	Repair and retrofitting <i>Paavo Hassinen – Aalto University, Finland</i>
13:15	Lunch
14:15	Thermal bridges and Air Tightness of Sandwich Contruction <i>Dr.-Ing. Ralf Podleschny – EPAQ (European Quality Assurance Association for Panels and Profiles)</i>
15:00	Coffee
15:15	Experimental studies on durability of sandwich panels <i>Paavo Hassinen – Aalto University, Finland</i>
15:45	Thermal and structural behavior in openings and joints <i>Dipl.-Ing. Felicitas Rädels – TU Darmstadt</i>
16:30	Final conclusions <i>Prof. Dr.-Ing. Jörg Lange – TU Darmstadt - Germany</i>
17:00	End

Lectures are held in English language with si

- 9:00** **Introducción**
- 9:15** **Comportamiento de los paneles bajo carga.
¿Cómo trabaja un panel sándwich?**
Dr.-Ing. Jörg Lange – Technische Universität Darmstadt - Alemania
- 10:00** **Tablas de carga con los datos del nuevo mercado CE**
Prof. Dr.-Ing. Klaus Berner - IS Engineering
- 10:45** **APIP'ÑA “Asociación de fabricantes de paneles
sándwich de poliuretano de España”**
Neus Comas, Secretaria General
- 11:00** **Café**
- 11:15** **Arquitectura con paneles sándwich**
Michiel Cohen, arquitecto - Holanda
- 12:00** **Sostenibilidad en la construcción con paneles sándwich**
Dr.-Ing. Markus Kuhnhenne – RWTH University Aachen
- 12:45** **Mantenimiento y reparación**
Paavo Hassinen – Aalto University, Finlandia
- 13:15** **Almuerzo**
- 14:15** **Puentes térmicos y impermeabilidad en la construcción
con paneles sándwich**
*Dr.-Ing. Ralf Podleschny – EPAQ (European Quality Assurance
Association for Panels and Profiles)*
- 15:00** **Café**
- 15:15** **Durabilidad de los paneles sándwich. Estudios experimentales**
Paavo Hassinen – Aalto University, Finlandia
- 15:45** **Comportamiento térmico y estructural en las juntas y obertu
ras de las construcciones con paneles sándwich**
Dipl.-Ing. Felicitas Rädcl – TU Darmstadt
- 16:30** **Conclusiones finales**
Prof. Dr.-Ing. Jörg Lange – TU Darmstadt - Alemania
- 17:00** **Fin**

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Participation form

Date of application

Company / affiliation

First Name Name

Job position

Address

Postcode Town Country

E-mail

Telephone Fax Mobile phone

Registration

For registration, please email this application form or send a fax to APIP'NA :
apipna@apipna.com • Fax: +34 93 552 85 01

Registration fee: 150€

For APIP'NA and E.IC members:
registration fee is only 50€

Registration fee must be paid by transfert:
Catalunya Caixa
Bank account: 2013 0205 11 0206189722
SWIFT code: CESCEBBXXX
IBAN No: ES492013 0205 11 0206189722

Venue

Col.legi Oficial d'Enginyers Industrials de Catalunya (COEIC)
Via Laietana, 39 - 08003 Barcelona - Spain
Tel. COEIC: +34 93 319 23 00
Tel. APIP'NA: +34 93 416 16 51

Metro:
Linea 1 or Line 4: "Urquinaona Station"
Linea 1, L3, L6 or L7: "Catalunya station"
Linea 4: "Jaume I Station"

Bus:
nº17, 19, 40, 45

The workshop has received support from the European Community.
As the number of participants is limited the seat will be filled up according to the date on participation form.

