SECRETARIAT OF THE SEMINAR

ASOCIACIÓN TÉCNICA DE CARRETERAS

Tel.: (+34) 91 308 23 18 - Fax.: (+34) 91 308 23 19 e-mail: congresos@atc-piarc.com www.congresosatcpiarc.es

REGISTRATION FEES

-Before 12 March 2018: 375 €
-From 13 March 2018: 450 €

PIARC members will have 25 € discount

21 % VAT not included

It will be available a limited space for commercial stands. Please contact the Secretariat

Registration will be made by completing the attached registration form (in capital letters) and sending it by mail, fax or e-mail to the Secretariat or through the website **www.atc-piarc.com**

Cancellations must be notified in writing and sent to the Secretariat

ATTENDANT TO THE SEMINAR

- Cancellations requested 30 calendar days prior to the beginning; Refund 50% of the registration fee.
- Cancellations requested less than 30 calendar days prior to the beginning are Non-refundable.

Name: Surname: E-mail address.			
□ I wish to visit the Geotechnical Laboratory of CEDEX			
INVOICING DETAILS			
Fiscal number: Company / Organization: Address:			
City: Postal code: Country			
Telephone			
E-mail address			
Payment of the registration fee will be made by one of the following systems (select the way of payment): By Bank transfer to BANCO CAMINOS: IBAN: ES53 0234 0001 07 9010287200 C.C.C. 0234-0001-07-9010287200 BIC: CCOCESMM (a copy of the bank transfer must be attached to the registration form) By Credit Card via website www.atc-piarc.com			

INTERNATIONAL SEMINAR



Madrid (Spain), April 19 and 20 2018
Centro de Estudios y Técnicas Aplicadas, CETA (CEDEX) - C/ Alfonso XII, 3





















IV International Seminar: Earthworks in Europe will be held in Madrid (Spain), on April 19 and 20, 2018. It is the fourth on the list of homonimous seminars (Paris 2005, London 2009, Berlin 2012) devoted to design, construction, maintenance and monitoring of earthworks. These concepts mean, as an average, 15 to 25 % from total budget of public works all over the Old Continent.

Specialists will analyze and update a list of topics, about which free communications are welcomed and expected:

- European standardization: by the date of the seminar is expected to be concluded formal vote stage on European Standard "EN 16907 Earthworks" in which experts from all over the continent have been working since 2009. It will be presented by some of their authors.
- Sustainability and optimal use of local materials: the factibility of use of different material types for earthwork purposes, which several decades ago were thrown out, has been studied in some countries. Some of these practices and experiences shall be exposed and updated.
- **Geotechnical risk analysis**: light will be shed on a topic more and more relevants, even more when a common focus with structural engineering is many times intended.
- **Adaptation to climate change**: under this topic a pluridisciplinary effort is being done in the last few years. A glance from earthworks perspective is intended in this section.
- **Projects and special achievements**: since Berlin 2012 seminar, many projects and construction works have been built. A brief summary of some of them is expected, thus free comunications are specially needed on this topic! (it may be presented by only one speaker as a magisterial lesson containing informations submitted).

While the Seminar, but at special schedules, it will be possible to visit CEDEX installations as *Geotechnical Laboratory* and *Track Box* (1:1 scale, complete railway track sections of conventional and high speed lines for passenger and freight trains, at speeds up to 400 km/h).

The seminar will be held in the heart of Madrid capital city, in English and Spanish

Seminar will be held in English and Spanish (Simultaneous translation available)

FREE COMMUNICATIONS

Deadline for submission of Free Communications: 22 March 2018, sent by e-mail to: info@atc-piarc.com, including the following information

- Title and abstract of the communication
- Author's name
- Company or organization
- Address, e-mail and telephone

The received Communications will be reviewed by the Technical Committee. The Technical Committee shall decide on their acceptance and notified its decision to the authors before 10 April 2018, including the necessary instructions for submitting works.

All sessions will include the following speeches: magisterial lesson and a selection of free communications

PRELIMINARY PROGRAMME

Timetable may suffer variations depending on the volume of free communications received

THURSDAY 19 APRIL

09:00-09:30 09:30-10:00	
10:00-11:30	THEME 1 SESSION European standardization (Guy Raoul. Committee CEN/TC-396)
11:30-12:00	COFFEE BREAK
12:00-13:30	THEME 1 SESSION (continuation) European standardization (Guy Raoul. Committee CEN/TC-396)
13:30-15:00	LUNCH
15:00-16:30	THEME 2 SESSION Sustainability and optimal use of local materials (Aurea Perucho. CEDEX)
16:30-17:00	COFFEE BREAK
17:00-18:30	THEME 3 SESSION Geotechnical risk analysis (Laura Caldeira. LNEC)
21:00	DINNER

FRIDAY 20 APRIL

09:00-10:30	THEME 4 SESSION Adaptation to climate change (Veronique Berche. CEREMA)
10:30-11:00	COFFEE BREAK
11:00-12:30	THEME 5 SESSION Projects and special achievements (Fernando Pardo. CEDEX)

CONCLUSIONS AND CLOSING SESSION OF THE SEMINAR