

Brescia, Italy

The city of Brescia is the second largest city in Lombardy (Northern Italy), after Milan, with a population of around 200,000 inhabitants. The city is at the centre of the third-largest Italian industrial area, concentrating on mechanical and automotive engineering and machine tools. The area produces woollens, silks, leather, and wine. The financial sector is also a major employer, and the tourist industry also plays an important role, given the proximity of Lake Garda, Lake Iseo and the Alps.

Accessibility Brescia

Brescia is well accessible by the airports of Milan (150km) and Bergamo (50km) from European airports. From Milan or Bergamo, Brescia can be easily reached by bus or train.

Venue & Accommodation

The meeting will take place at the Faculty of Civil Engineering at the University of Brescia which is located in Via Branze 38, in the north of the city.



The cost of accommodation is not included within the fee. Directions to the venue and a list of recommended hotels in the neighbourhood of the University can be found on the DIANA Users website.

The meeting is co-organised by DIANA Users Association, TNO DIANA BV and CSP FEA

Organising Committee

Ane de Boer, DIANA Users Association
Nynke Vollema, DIANA Users Association
Giovanna Lilliu, TNO DIANA BV
Paolo Segala, CSP FEA
Jolanda van Willige, JRI Communication

DIANA Users Association

The DIANA Users Association was set up to create a forum of users in order to exchange experience with DIANA. It also serves as intermediate with TNO DIANA BV, collecting requirements of the members for further development or improvement, and informing members about updates of the software.

The association organizes regular meetings and workshops, and issues reports and publications on projects and studies conducted with DIANA.

More information can be found at www.dianausers.nl.



TNO DIANA BV

TNO DIANA BV is a subsidiary of TNO which develops, markets and supports DIANA. Since 2005, TNO DIANA BV has been a partner of MIDAS IT.

The team of TNO DIANA BV has a well-proven track record, stretching back to the 1970's in the delivery of high quality finite element analysis technology to leading engineering-based organisations.

TNO DIANA BV also undertakes customization, consultancy on behalf of customers and provides training worldwide.

More information can be found at www.tnodiana.com



CSP FEA

CSP FEA is an engineering company owned by Luigi Griggio and Paolo Segala who have decades of experience in the use of finite element procedures in mechanical and geotechnical engineering.

CSP FEA markets and sales MIDAS products in Italy and has been recently appointed as a DIANA reseller.

More information can be found at www.cspfea.net



7th International DIANA Users Meeting

17-18 June 2010

Hosted by University of Brescia
Brescia – Italy



SCHEDULED PRESENTATIONS

- “Building code developments for FRC structures”
Giovanni Plizzari, University of Brescia, Italy
- “Structural Analysis of Historical Masonry Structures: Concepts and Possibilities”
Paulo B. Lourenço, University of Minho, Portugal
- “Autogenous deformations analysis in Mose concrete caissons”
Gabriele Bertagnoli, Politecnico of Torino, Italy
Nadia Zoratto, Technital S.p.A, Italy
- “Numerical and experimental cyclic response of alternative column to foundation connections of reinforced concrete-precast structures: comparisons”
Roberto Nascimbene, Eucentre, Italy
- “Design and Static and Dynamic Analysis of Khudoni Arch Dam”
Anton Tzenkov, Stucky Ltd, Switzerland
- “Nonlinear time history analysis of soil-structure interaction for a curved bridge situated on the Italian Tollway A25 using Diana”
Mario Ucci & Guido Camata, University of Chieti-Pescara, Italy
- “FEM modelling for St+B11. Petersburg Flood Barrier”
Dirk Jan Peters, Royal Haskoning, The Netherlands
- “Non-linear finite element analyses for reinforcement optimization of concrete structures”
Luca Facconi, University of Brescia, Italy
- “In-plane shear and out-of-plane bending - examining hidden margins”
Coen van der Vliet, Arcadis, The Netherlands
- “Settlement induced damage modelling of historical buildings: the bell tower of the "Basilica dei Frari" in Venice”
Filippo Lorenzoni, University of Padova, Italy
- “Long-term behaviour of a viaduct made with precast beams”
Carlos Sousa, University of Porto, Portugal
- “Nonlinear static and dynamic analysis of a historical masonry tower”
Valentina Mariani, University of Florence, Italy
- “3D modelling of building damage due to tunnelling”
Giorgia Giardina, Delft University of Technology, The Netherlands
- “Modelling of post-cracking behavior of steel fiber reinforced concrete”
Emilia Vasanelli, University of Salento, Italy
- “Masonry Veneer walls subjected to earthquake loading”
Karl Vincent Hoiseith, NTNU, Norway
- “Guidelines for non-linear finite element analysis of RC structures”
Beatrice Belletti, University of Parma, Italy

“Incorporating the FEM Analysis in the digital design process”

Eliza Guse, Delft University of Technology, The Netherlands

“Numerical study on shrinkage cracking in concrete slabs on grade”

Giuseppe Tiberti, University of Brescia, Italy

“Probabilistic approach to the modelling of reinforced concrete elements using Gaussian random fields”

Geoffrey Decan, University of Gent, Belgium

“Design of frozen soil bodies for the construction of cross-passages between two shield driven tunnels in the Amsterdam North/South metro line”

Arjan Lutikholt, Witteveen + Bos, The Netherlands

“Risk of early-age thermal cracking in concrete walls”

Cristina Zanotti, University of Brescia, Italy

“FEM modelling for block revetment research”

Dirk Jan Peters, Royal Haskoning, The Netherlands

“Experimental and numerical comparison of different test methods for fibre-reinforced concrete”

Linn Grepstad Nes, NTNU, Norway

“On the evaluation of shear critical beams with sequentially linear analysis”

Anne van de Graaf, Delft University of Technology, The Netherlands

SOCIAL EVENT

The social event dinner will take place at one of the characteristic restaurants in the renown city of Sirmione. Wrapped in a luminous atmosphere, between the blue of the waters and the green of the olive trees, Sirmione has many picturesque streets full of elegant shops.

*Sirmio, bright eye of peninsulas and islands,
whatever ones either Neptune bears
in liquid lakes or in the vast sea.
how willingly and happily I visit you,
scarcely trusting myself that I have left Thynia and the Bithynian
plains, and that I see you in safety.*

*Oh, what is more blessed that to put cares away,
when the mind lays down its burden, and tired
with the labor of travel, we come to our own home
and rest on the bed we longed for.*

*This is the only thing that is worth such great toils.
Hello, charming Sirmio, rejoice in your happy master,
and you, Lydian waves of the lake,
laugh whatever laughter there is in your home.*

Gaius Valerius Catullus 84 B.C-54 B.C

REGISTRATION FORM

(also downloadable from www.dianausers.nl)

Please complete this form and send to the Meeting Secretary.

Full name:

Job Title:

Organisation:

VAT number: (EC only)

Postal address:

Country:

Phone:

Email:

Special needs: disabilities / dietary / vegetarian *
(* delete as appropriate)

SUBSCRIBE TO

Int. DIANA Users Meeting on 17 & 18 June 2010

- standard fee = € 175

- student fee = € 100

(Fee includes lunches, refreshments)

Social event including dinner on 17 June 2010

- fee Social dinner = € 100

METHOD OF PAYMENT

Payment should be made by electronic transfer.

Bankname: ABN-AMRO Beuningen

Payment reference: DIANA Users Meeting 2010

Address: Julianaplein 103
NL-6641 CS BEUNINGEN

Account name: DIANA OntwikkelingsVereniging

Account number: 517360381

IBAN code: NL14ABNA0517360381

Registration will be confirmed as soon as payment is received.

Users Meeting Secretary

JRI Communication

Mrs. J. van Willige

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