

Invitation to the 3rd International SOFiSTiK Workshop 2006

SOFiSTiK
AKTIENGESELLSCHAFT

In co-operation with the International Conference on Bridges, Dubrovnik,
May 21st – May 24th 2006

Dear customers,

For many years we've successfully conducted practical workshops in Germany and Europe on a regular base and due to the high demand we would like to invite you to our next practice oriented

International SOFiSTiK Workshop on May, 24th 2006 in DUBROVNIK

The aim of the workshop is to provide you with a lot of tips and tricks when using the SOFiSTiK software for your daily engineering tasks. We are sure, that after attending the workshop, your benefit of working with SOFiSTiK will be even more evident. One essential aim is also that this workshop should clearly show how easy the work with SOFiSTiK software can be.

The target of this workshop will be the introduction of the new SOFiSTiK working environment – the "SOFiSTiK Structural Desktop" (called SSD) - for Bridge Engineering and other structures. Additional topics of the workshop are pre-stressed structures, dynamic analysis, wind analysis, CFD and non-linear problems in bridge engineering and other structures.

Out of this reason we will have many of our SOFiSTiK experts from all over Europe as head for the sessions.

We have prepared this one day workshop in lieu of and close co-operation with the organisation committee of the "International Conference on Bridges, Dubrovnik" (May 21st – May 24th 2006). For more information, please visit the conference website at www.secon.hr or www.sofistik.com.


Event location: International Conference on Bridges, Dubrovnik
Hotel CROATIA
Date: May, 24th 2006 (last conference day)
Time: 09:00 – 18:00
Event fee: 150,- €/1st person of a company
100,- €/any additional person of a company
The event fee includes the workshop, lunch and coffee breaks

For any further questions, please do not hesitate to contact us directly at:
+49 89 273 74 214 or info@ce-eng.com.

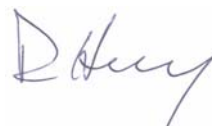
Yours Sincerely,



Dipl.-Ing. Christof Lorenz



Dipl.-Ing. Frank Deinzer



Dipl.-Ing. Robert Herceg

Niederlassung
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International Conference on Bridges 2006 – Dubrovnik May 21st – May 24th 2006

Additionally we want to inform you, that Dr. Casimir Katz (Vorstand SOFiSTiK AG) will present a paper about the “Enhanced Analysis of Train-Bridge Interaction” during the International Conference on Bridges.

Abstract of the paper:

The analysis of a train crossing a bridge is a complex system where multi-body dynamics of the train meet the structural dynamics of the bridge. While there are sophisticated systems available for either one of the subjects train or bridge, the coupling of both systems is mostly done by introducing the bridge as substructure to the multi-body system.

Thus the structural engineer not having access to such software tools will analyse the problem quite often with the rather simple approach of moving loads.

However a Finite-Element code may be also used to model some of the dynamics of the moving vehicle, especially the rail-wheel-bogie-car-system, if the moving contact condition is properly implemented. One special subject is then the stability of the numerical integration scheme. The implementation and the numerical aspects are described and applied to a multi-span railway bridge including track irregularities.

Further more, some of our SOFiSTiK experts will present some of their work with SOFiSTiK software like:

Dr. Krzysztof Zoltowski (Univeristy of Gdansk, Poland)

“Cable stayed bridge over Vistula River in Plock. Dynamic analysis and site test.”

We would be delighted if you join us during the Conference and the Workshop.

For more information concerning the registration for the conference and the “International Conference on Bridges” itself, please visit:

www.sofistik.com

or

www.secon.hr

SOFiSTiK Workshop on May, 24th 2006 in DUBROVNIK



- PLEASE RETURN PER FAX TO +49 89 2443 10067 / +49 89 271 08 72 -

or use the

Online registration form at www.sofistik.com

- Yes, I will attend the SOFiSTiK Workshop on May, 24th 2006 in Dubrovnik with _____ person(s).

Event fee: **150,- €**/for the 1st person of a company
 100,- €/any additional person of a company
The event fee includes the workshop, lunch and coffee breaks

Participants: (enter every person in CAPITAL Letters)	Amount
Total amount:	

- We are attendees of the “International Conference on Bridges”, Dubrovnik and we already have booked a room .

Separate registration for the “International Conference on Bridges” is required at www.secon.hr

- Please book me _____ rooms in the Hotel Croatia

From: _____ to _____
Room rates are not included in the Workshop fee.
_____ Single and / or _____ Double Room

- Mr. Mrs.

Company: _____

Customer No: _____

Telephone: _____ Fax: _____ email: _____

Date: _____

Company Stamp/Signature: _____

AGENDA

08:30 – 09:00 **Registration**

09:00 – 09:15 **Welcome Speech**

Speakers: Robert Herceg & Christof Lorenz

09:15 – 10:45 **The new SOFiSTiK Structural Desktop (SSD)**

New possibilities for Bridge Engineering with
SOFiPLUS 16.4, SOFiSTiK 23 & SSD

- Bridge axis in SOFiPLUS(-X)
- Generation of haunched systems across a master cross section
- „Bridge-Loader“ for different design codes
- Task-controlled design

Speaker: Frank Deinzer

11:00 – 12:30 **Bridge Session I**

Tips and tricks around the new development

- TENDON, new graphical tendon entry
- “Bridge Design Wizard” for DIN FB 102 / BS 5400
- Design via the Construction Stage Manager -CSM (CSM DESI)

Speaker: Dr. Jürgen Bellmann

12:30 – 13:30 **Lunch break**

13:30 – 14:30 **Bridge Session II**

Practical Examples

- Form finding for cable stay bridges
- Pedestrian loads according to Seiler - Hüttner

Speaker: Stefan Maly

14:30 – 15:00 **Dynamic Session I**

Dynamic loading and response on pedestrian bridges

Speaker: Dr. Krzysztof Zoltowski

15:15 – 16:30 **Dynamic Session II**

- Example of a Train/Bridge Interaction
(based on the paper presented during the conference)
- Application of CFD Analysis for a bridge cross section

Speaker: Dr. Casimir Katz

16:30 – 18:00 **Question & Answers Session**

- Please prepare any relevant question from your daily work
- 1 : 1 session are possible

SOFiSTiK Team: Dr.-Ing. Casimir Katz (Vorstand SOFiSTiK AG)
Dr.-Ing. Jürgen Bellmann (Director FE Development)
Dipl.-Ing. Frank Deinzer (Director GUI Development)
Dipl.-Ing. MSc Stefan Maly (SOFiSTiK Hotline & Support)
Dipl.-Ing. Christof Lorenz (Sales & Marketing Director)
Dipl.-Ing. Robert Herceg (Business Development Manager)
Dr.-Ing. Byron Protopsaltis (SOFiSTiK Hellas)
Dr.-Ing. Krzysztof Zoltowski (SOFiSTiK Consultant)

SOFiSTiK Workshop on May, 24th 2006 in DUBROVNIK



Hotel details

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E-Mail: info@hoteli-croatia.hr
www.hoteli-croatia.hr/index.html

Organisation committee: "International Conference on Bridges, 2006"

SECON HDGK

Conference Secretariat
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Website: www.secon.hr

Organisation committee: "International SOFiSTiK Workshop"

Cutting Edge Engineering GbR

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Travel information:

Flights from Europe to Dubrovnik:

Croatia Airlines: www.croatiaairlines.hr

Lufthansa: www.lufthansa.com

MALEV: www.malev.com

Austrian Airways: www.aua.com

You need more information about flight details, please contact Mrs. Isabella Geiger at isabella.geiger@ce-eng.com