

# Integration of the research component: SEEFORM

## South Eastern European Graduate School for Master and PhD Formation in Engineering

University Ss Cyril and Methodius, Skopje, Macedonia

Institute of  
Earthquake Engineering and  
Engineering Seismology



Faculty of Civil Engineering



Stabilitätspakt für Südosteuropa  
Gefördert durch Deutschland  
Stability Pact for South Eastern Europe  
Sponsored by Germany

**DAAD**

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

# SEEFORM I – Contents

## ▶ Multi-lateral agreements between regional universities



Croatia



Bosnia &  
Hercegovina



Serbia &  
Montenegro



Albania



Romania



Macedonia

## ▶ A structured PhD programme

### ▶ PhD courses

- ▶ two double-block courses a year at Skopje, each given by a SEE and a German professor
- ▶ topics of common concern, e.g.;  
plasticity in mechanics,  
nonlinear methods in structural engineering,  
stochastic approaches in engineering, e.g. random vibration,  
experimental methods in large scale testing,  
and others

## SEEFORM II – PhD students

### ► Selected candidates from South Eastern Europe

Toni Arangelovski, Skopje (MK)  
Borko Bulaic, Skopje (MK)  
Marija Nefovska-Danilovic, Belgrade (SCG)  
Igor Georgiev, Skopje (MK)  
Josif Josifovski, Skopje (MK)  
Darko Ilievski, Skopje (MK), GEING  
Azra Krvavac, Mostar (BiH)  
Merima Sahinagic, Mostar (BiH)  
Toni Srbinoski, Skopje (MK), GEING  
Srevro Tomov, Skopje (MK)  
Marina Trajkovic, Nis (SCG)  
Vladimir Vitanov, Skopje (MK)  
Ruzmir Zekotic, Mostar (BiH)  
Florim Grajcevci, Pristina (Kosovo)



PhD students at the 1st block lecture, Skopje, 2004

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DAAD	–	German Academic Exchange Service, Bonn
Herder	–	Herder-Stiftungsinitiative, Bonn
GEING	–	Macedonian-German company, Skopje
TIR	–	University of Tirana
IZIIS	–	Institute for Earthquake Engineering and Engineering Seismology, Skopje

## SEEFORM III – Recent Activities

### ▶ **Advisors from South Eastern Europe and from Germany**

- ▶ Prof. Bruhns (Bochum), Prof. Chouw (Okayama), Prof. v. Estorff (Hamburg-Harburg), Prof. Feldmann (Aachen), Prof. Höffer (Bochum), Prof. Meskouris (Aachen), Prof. Reese (Bochum), Prof. Stangenberg (Bochum)
- ▶ Prof. Atanasovski (Skopje), Prof. Cvetanosvski (Skopje), Prof. Dimitrievski (Skopje), Prof. Dumova-Jovanoska (Skopje), Prof. Garevski (Skopje), Prof. Jordanovski (Skopje), Prof. Jovanoski (Skopje), Prof. Lazarov (Skopje), Prof. Markovski (Skopje), Prof. Mircevska (Skopje), Prof. Petronijevic (Belgrade), Prof. Pojani (Tirana), Prof. Ristic (Skopje), Prof. Sumarac (Belgrade), Prof. Trifunac (Los Angeles), Prof. Vidanov (Skopje)

### ▶ **1<sup>st</sup> PhD seminar in Ohrid, Macedonia**

- ▶ **Young Scientist's Forum**  
Presentations through candidates  
Wednesday, August 31<sup>th</sup>, 2005  
Chair: Prof. Dr.-Ing. Rüdiger Höffer  
Co-Chair: Prof. Dr. Elena Dumova-Jovanoska
- ▶ **Round table discussion**  
One-to-one-interviews with candidates  
and advisors  
Thursday, September 1<sup>st</sup>, 2005



Young Scientist's Forum, Ohrid, 2005

## Lessons to learn

### ▶ **DYNET offers an attracting and stimulating education through ...**

- ▶ specialised study programmes according to the competence of the institutions,
- ▶ measures for optimising the time of study,
- ▶ selected qualified students and candidates,
- ▶ internationality,
- ▶ prospects for further progression,
- ▶ attention, interest, and sponsoring from companies,
- ▶ and many soft skills.

### ▶ **But ...**

... the former conflict eliminated much more but also possibilities of vocational qualification. Scholarships are required to enable selected students to continue their studies through higher education. This special situation in SEE cannot be compared to the general situation in Europe.

### ▶ **However, ...**

... the network DYNET has created a feeling of normality, safety and community, reconsolidating also the formerly good relations between civil engineers in South Eastern Europe.

[1] Rüdiger Höffer, Wolfgang Hubert & Günther Schmid (2005): *DYNET – An Education Programme within the framework of the Stability Pact for South Eastern Europe*, in: Proceedings of the SEFI 2005 33rd annual conference “Engineering Education at the Cross-Roads of Civilizations (Ankara: Middle East Technical University, Faculty of Civil Engineering, ISBN 975-429-236-1).

[2] DAAD (2004): *Reaching their Goal in Three Years – DYNET opens Graduate School in Skopje*, newsletter 1/2004 (Bonn: DAAD).



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# SEEFORM

## PROMOTION OF YOUNG SCIENTISTS

**DOCTORAL DEGREE** at SEEFORM CENTER at  
**Ss. CYRIL AND METHODIUS UNIVERSITY**  
INSTITUTE OF EARTHQUAKE ENGINEERING AND ENGINEERING SEISMOLOGY  
FACULTY OF CIVIL ENGINEERING

**KNOWLEDGE TRANSFER**  
PROFESSORS FROM GERMANY AND SOUTH EASTERN EUROPE  
**RESEARCH STAY IN GERMANY**

**INTERNATIONAL PROMOTION COMMITTEE**



**Cooperation:**  
Faculty of Engineering  
Faculty of Civil Engineering  
Faculty of Architecture  
Faculty of Mechanical Engineering



**Contact:**  
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[www.seeform.ukim.edu.mk](http://www.seeform.ukim.edu.mk)

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Prof. Dr.-Ing. Uwe Dorka, Kassel  
Prof. Dr.-Ing. Carsten Könke, Weimar  
Prof. Dr.-Ing. Konstantin Meskouris, Aachen  
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Prof. Dr. Branislav Verbic, Sarajevo (BiH)  
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