

# TECHSTA 2010

Management and Technologies for Sustainable Development in Building Industry

15. - 17. 9. 2010  
Prague

*Dear colleague and colleagues,*

*on behalf of the Organizing Committee of the International Conference TECHSTA let me invite you to its 8th year. The conference will be held on academic land of CTU in Prague, Faculty of Civil Engineering, Thákurová 7, Prague 6. Official language is English including presentation.*

*I will be very pleased to meet you in Prague.*

*Yours sincerely*

*Ing.Mária Párová, Ph.D.*

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**Conference program:**

## **15.9.2010 – (Wednesday)**

**15:00 – 17:00 – Registration of conference participants (atrium – Faculty of CE)**

**18:30 Conference opening in Betlémska kaple**

**19:00 Honorary recognition for long-term cooperation**

**19:30 Opening concert**

## **16.9.2010 (Thursday) – 1. Conference day**

**8:00 – 11:00 – Registration of conference participants (atrium – Faculty of CE)**

**9:00 – Opening – Doc. Ing. Pavel Svoboda, CSc.**

**9:10 – 13:05 1.block - Construction technologies and materials – chairman Prof. Jarský**

**9:10 Miroslaw J. Skibniewski, Ph.D – keynote paper**

ESTIMATING AND MINIMIZING THE COST OF GREENHOUSE GAS EMISSIONS  
FROM CONSTRUCTION ACTIVITIES FOR INCLUSION IN CONSTRUCTION PROJECT BIDS

**9:25 MLINARIĆ Vjeran, Ph.D., SIGMUND Vladimír, Ph.D., SIGMUND Zvonko, M.Eng.C.E.**  
RETROFIT TECHNOLOGIES FOR R/C AND MASONRY STRUCTURES

**9:35 Ing. Miroslav Mátl, Ph.D., Ing. Michal Potužník**

DEFECTS OF ENGINEERING STRUCTURES – FROM THE PERSPECTIVE OF PROJECT  
DOCUMENTATION

**9:45 Doc. Ing. Karol Grünner, Ph.D.**

USING OF RECYCLED AGGREGATES IN ROAD CONSTRUCTIONS

**9:55 Ing. Barbora Kovářová, Ph.D.**

SYSTEM FOR THE WOODEN SUPERSTRUCTURE FOR EXTENSIONS TO FAMILY HOUSES AND  
BLOCKS OF FLATS

**10:05 İlknur Akiner, Ph.D., M. Ernur Akiner, Atilla Akkoyunlu**

INFLUENCE OF SUSTAINABLE CONSTRUCTION MATERIALS AND TECHNOLOGIES ON ENVIRONMENT:  
A CASE STUDY FROM MERSIN PROVINCE OF TURKEY

**10:15 Ing. Michal Procházka**

OUTDOOR EARTHEN PLASTERS

**10:25 Pavel Veselý, David Janíček**

REASONS FOR TECHNOLOGICAL DIFFICULTIES WHEN APPLYING FLOWING, SELF-LEVELING  
SCREEDS

**10:35 Ing. Marie Pasecká, Doc. Ing. Pavel Svoboda, CSc.**

HOLLOW Panel SPIROLL FOR NOISE BARRIER

**10:45 Jozef Gašparík**

ANALYSIS OF QUALITY IMPROVEMENT PROCESSES IN CONSTRUCTION COMPANIES

**10:55 Ing. Anna Svobodová**

PRODUCTION TECHNOLOGY SCRUBBED CONCRETE

**11:05 Discussion**

**11:20 Coffee break**

**11:35 Schiedel**

**11:50 Husquarna**

**12:05 Remmers**

**12:20 Baumit**

**12:35 Syner**

**12:50 Průmstav**

**13:05 – 14:00 – Lunch**

**14:00 – 17:00 – 2. block – Construction planning and organization – chairman prof. Gašparík**

**14:00 Abillance.com**

**14:15 OHL**

**14:30 Metrostav**

**14:45 Porr**

**15:00 Dipl. Ing. Faatz, Stefan**

REAL ESTATE AS STRATEGIC ORGANISATIONAL DEVELOPMENT TOOLS

**15:10 Prof. Ing. Ivan Hyben, CSc.**  
TECHNOLOGICAL RISKS IN CONSTRUCTION

**15:20 Assis.prof. KLEM Nikola, Prof. VIDA KOVIĆ Držislav, GALIĆ Dario**  
NEEDS And possibilities of usage of it IN CONSTRUCTION COMPANIES

**15:30 Eng. Michał Juszczak, Eng. Krzysztof Zima, Ph.D.**  
BUILDING INFORMATION MODELING IN CONSTRUCTION PROCESS

**15:40 Doc.Ing.Viera Somorová, PhD.**  
FACILITY MANAGEMENT IN DEVELOPMENT PROCESS

**15:50 Sašo Kovačec, Igor Pšunder, Phd, Marko Soršak**  
RENOVATION OR SUBSTITUTIONAL CONSTRUCTION

**16:00 Doc. Ing. František Mesároš,Ph.D., Ing. Juraj Talian**  
USE OF EXACT INSTRUMENTS CAD TO CREATE THE BUDGET

**16:10 Discussion**

**16:25 Coffee break**

**Chairman – Doc. Kozlovská**

**16:40 Ing. Renáta Bašková, PhD.**  
TECHNOLOGICAL ASPECTS OF CONCRETE AT FORMING PLANNING ON CONSTRUCTION

**16:50 Josip Sertic, C.E., Ivica Zavrski. Ph.D., C.E.**  
INDUCING ORGANIZATIONAL LEARNING THROUGH FOREIGN MARKET ENTRY

**17:00 Ing. Zuzana Struková, Ph.D., Ing- Marián Ištvánik**  
SIMULATION OF MOBILE CRANE PROPOSAL

**17:10 Doc. Ing. Mária Kozlovská, Ph.D., Ing. Marcela Spišáková**  
SKILLS DEVELOPMENT FOR VIRTUAL DESIGN AND MANAGEMENT OF CONSTRUCTIONS BASED 5D TECHNOLOGIES

**17:20 Ing Prof. Ing. Čeněk Jarský, DrSc.,Ing. Pavol Gacho**  
ON AUTOMATED PROCESSING OF THE AGENDA OF SAFETY AT WORK ON THE BUILDING SITE

**17:30 Ing. Petr Jakubiček**  
AUXILIARY BUILDING CONSTRUCTION AND THE DECISION MAKING TO THEIR ACQUISITION AND HOLDING

**17:40 DISCUSSION**

**17:55 Conclusion of the first conference day**

**19:00 – Social evening**

- Museum of Charles bridge
- Cruise on the Vltava River to board the "Prague Venice"
- Reception on board

## **17.9.2010 (Friday) – 2. Conference day**

**10:00 – 12:00 Education for Construction**

**10:00 Doc. Ing. Pavel Svoboda, CSc.**

**10:10 Prof. Ing. Alena Kohoutková, CSc. - Dean**

**10:20 Prof. Mladen Radujković, Ph.D., C.E., Maja-Marija Nahod M., Sc, C.E.**

NEW TRENDS IN CONSTRUCTION MANAGEMENT EDUCATION IN CENTRAL AND SOUTH-EASTERN EUROPEAN UNIVERSITIES

**10:35 Doc. Ing. Vít Motyčka, CSc.**

FIELD OF STUDY CONSTRUCTION TECHNOLOGY AT THE BRNO UNIVERSITY OF TECHNOLOGY, DEVELOPMENT AND EXPERIENCE

**10:45 Doc. Dr. Ing. Liška**

DALŠÍ VZDĚLÁVÁNÍ DOKTORANDŮ NA ČVUT V PRAZE

**10:55 Ing. Radka Kantová, Ing. Václav Rada, CSc.**

THE COURSES'S INNOVATION WITH THE SUPPORT OF THE EU STRUCTURAL FUNDS

**11:05 Doc. Ing. Alena Tichá, Ph.D**

FACILITY MANAGEMENT IN STUDY PROGRAMS AT BUT

**11:15 Discussion**

**12:00 – 12 .30 Lunch**

**12:30 Excursion Tunnel Blanka**

**14:00 New building of Faculty of Architecture CTU**