

## Conference and Brokerage Event

# CONSTRUCTION ASPECTS OF BUILT HERITAGE PROTECTION RESEARCH NEEDS

October 14-17, 2006  
Dubrovnik (Cavtat), Croatia

Final Announcement  
[www.secon.hr](http://www.secon.hr)



University of Zagreb  
Faculty of Civil  
Engineering



EUROPEAN CONSTRUCTION  
TECHNOLOGY PLATFORM



University of Ljubljana  
Faculty of Civil and  
Geodetic Engineering

## CONFERENCE BACKGROUND

The global objective of European care for heritage protection is to promote new sustainable and preventive strategies, concepts, methodologies and techniques for conservation and restoration of the cultural heritage in order to improve the quality of life of citizens and the attractiveness of Europe, particularly its cities, buildings and landscapes.

The importance of this cultural wealth can be measured in economic and social terms, in employment, job creation and has considerable impact in many areas such as the environment, construction, tourism, regional development to enhance the European competitiveness and skills.

The Conference and Brokerage event is intended to bring forward the research ideas and needs to be launched within the forthcoming seven years period of research launched in Europe with support of the European Commission through the 7<sup>th</sup> Framework Programme, support of national research funds of EU Member and Candidate States, and investment of industry engaged in built heritage protection.

The Conference is organized through the "Structural Engineering Conferences" (SECON), supported by University of Zagreb - Faculty of Civil Engineering, University of Ljubljana and the European Construction Technology Platform in order to share all recent experiences in Cultural Heritage that all stakeholders have gained in last decades, and plan to utilize in the future.

## CONFERENCE TOPICS

<b>Assessment, monitoring and diagnosis</b>	<b>Education, Training and Ethics</b>
<b>Materials for heritage protection</b>	<b>Technical Standards and Specifications</b>
<b>Intervention techniques</b>	<b>Preservation of Artworks</b>
<b>Energy and environmental aspects</b>	<b>Socio-Economic Aspects</b>
<b>Management, exploitation and maintenance</b>	<b>Disaster Prevention and Risk management</b>
<b>City and territorial aspects</b>	<b>Communication and Dissemination</b>

Invited keynote lectures will be given in the plenary session. The conference topics cover all areas of interests of the Focus Area Cultural Heritage that is part of the European Construction Technology Platform. The conference participants will present their research in form of full papers published in the Conference Proceedings in printed and CD volume and during the Conference by posters in order to attract the potential partners for creating new research project proposals. The reporters will summarize the presented research in the session following the plenary session. The discussion on project ideas will be organized in separately during the Brokerage Event. The conference conclusions and suggestions for future research will be summarized in the document entitled "Conference message -Dubrovnik 2006".

A special event, the Focus Area Cultural Heritage Plenary Assembly will take place at the Conference venue on October 14 2006. All conference participants are invited.

## BROKERAGE EVENT

The essential part of the Conference will be the Brokerage Event entitled "A Living Cultural Heritage – preparation for the 7<sup>th</sup> EU Framework Programme". The previous research outcomes reported by conference attendees and research ideas collected during the preparation of Conference will be the starting point for identification of research needs and for forming the groups of researchers interested in the common topics. The structure of the ECTP Focus Area Cultural Heritage illustrates the multi and interdisciplinary nature of the research area to be covered both by Conference and Brokerage Event.

The wide discussion organized within the Focus Area Cultural Heritage of the European Construction Technology Platform yielded in number of priority research themes that may be interesting for various sources of financial supported from EU, national authorities and industry. The following themes are likely to be announced in the calls for EU 7FP proposals in the next years.

- Diagnosis, assessment and monitoring technologies and tools
- Managing environmental changes, hazards, damage mitigation and preventive conservation
- Cultural Heritage compatible materials
- Conservation and restoration techniques
- Protection of archaeological sites and cultural landscapes
- Fostering the integration of cultural heritage in the urban/rural settings
- Support, training and coordination actions

The organizers of the Conference asked all participants to answer a questionnaire in order to collect ideas for research projects that are responding to FACH working areas that correspond well to the above listed potential FP 7 themes. The proposers of research projects will present them during the brokerage event and will discuss with potential partners about the preparation of project proposals when calls will be published. Thus, the Brokerage Event will be a unique opportunity for researchers and users of research results to exchange their ideas about needed future research and to react quickly on the future calls for proposals.

## TECHNICAL INFORMATION

The Scientific Committee will implement a selection of abstracts and will invite the authors to submit full papers and poster presentation on A4 format until August 31, 2006 according to templates available from the [www.secon.hr](http://www.secon.hr).

The Conference Proceedings will be distributed to the participants at the beginning of the Conference both as a printed volume as well as on CD-ROM, as accepted by the Scientific Committee.

## CONFERENCE VENUE

The Conference will be held in the Congress Hall of the Hotel "Croatia" in Cavtat, Telephone: +385 20 475 555, 478 055 ; fax: +385 20 478 213; e-mail: [info@hoteli-croatia.hr](mailto:info@hoteli-croatia.hr)

## COMMITTEES

### Scientific Committee

Jure Radić (chairman)	(Croatia)	Marjana Šijanec-Zavrl	(Slovenia)
Roko Žarnić (co-chairman)	(Slovenia)	Milos Drdacky	(Czech Rep.)
Božo Biskupić	(Croatia)	Wolfgang Kippes	(Austria)
Jelka Pirković	(Slovenia)	Giorgio Monti	(Italy)
Ferdinand Meder	(Croatia)	Juan Manuel Mieres	(Spain)
Michel Chapuis	(EC)	Svein Haagenrud	(Norway)
Dubravka Bjegović	(Croatia)	Andrè de Nayer	(Belgium)
Bojan Majes	(Slovenia)	Jan Rosvall	(Sweden)
Antonia Moropoulou	(Greece)	Dražen Aničić	(Croatia)
Christiane Maierhofer	(Germany)	György L. Balazs	(Hungary)
Mladen Obad-Ščitaroci	(Croatia)	Ludovit Fillo	(Slovakia)

### Organizing Committee

Vlatka Rajčić (President)	(Croatia)	Ekar Miloš	(Slovenia)
Petronille Eynaud de Fay	(France)	Natalija Mavar	(Croatia)
Isabel Rodriguez-Maribona	(Spain)	Ante Stojan	(Croatia)
Damir Tkalčić	(Croatia)	Anđelko Vlašić	(Croatia)

## KEYNOTE SPEAKERS

Eminent experts have accepted to deliver Keynote Lectures.

Introduction: **Vlatka Rajčić**, Secretary of Croatian NTP, Conference

Key Speakers:

1. **Cristina Gutiérrez-Cortines**, Member of the European Parliament
2. **Andrea Tilche**, EC DG Research, Directorate I – Environment, Head of Unit »Environmental Technologies and Pollution Prevention«
3. **Christophe Lesniak**, EC DG Research, Directorate G - Industrial Technologies
4. **Piotr Swiatek**, COST Scientific Officer for Physics and Materials
5. **Johanna Leissner**, Fraunhofer - Gesellschaft, Germany
6. **Hans Rudolf Ganz**, Elected President of fib
7. **Jan Rosvall**, Gothenburg University, Sweden
8. **Božo Biškupić**, Minister of Culture of Croatia
9. **Jelka Pirković**, State Secretary in Ministry of Culture of Slovenia
10. **Jure Radić**, ECTP HLG, Croatian CTP
11. **Pétronille Eynaud de Fay**, ECTP FACH
12. **Roko Žarnić**, ECTP FACH, Slovenian CTP

## CONFERENCE OUTLINE

	Saturday October 14th	Sunday October 15th	Monday October 16th	Tuesday October 17th		
8:00		Registration				
8:30						
9:00	FACH TG Meeting	Opening Session	Opening of Poster Session and Introducing of Brokerage event	General Discussion		
9:30			Refreshments			
10:00			Moderated Brokerage event			
10:30						
11:00			Refreshments			
11:30			Summary of Conference by reports			
12:00						
12:30						
13:00			Lunch	Lunch	Lunch	Lunch
13:30						
14:00	FACH Plenary Assembly	Reporting the papers and posters	Moderated Brokerage event	Acceptation of "Conference Message"		
14:30				Closing Ceremony		
15:00						
15:30			Workshop on "Education, Training & Ethics" (HG 1)			
16:00						
16:30						
17:00						
17:30			Free discussion within the potential project groups			
18:00						
18:30	Registration					
19:00						
19:30		Welcome Reception				
20:00			Gala Dinner in Dubrovnik			
21:00						
22:00						

## EXCURSIONS AND VISITS

### Excursion 1: THE SPIRIT OF ADRIATIC

Island cruise with lunch and music, whole day

(Minimum 50 persons)

The cruise offers you the sun, sea and relaxing change of pace from the moment you embark. Sail past the Elaphite Islands before you disembark at a secluded bay where traditional welcome of dried figs and local brandy will be offered. Enjoy lunch of grilled fish, local cheeses and unlimited wine, while being entertained by Dalmatian music. The games will add to the fun-filled afternoon. Light sportswear and swimwear are recommended.



**Price Includes:** guide, lunch, wine and transfer

### Excursion 2: CITY TOUR OF DUBROVNIK, CITY WALLS AND GALLERIES

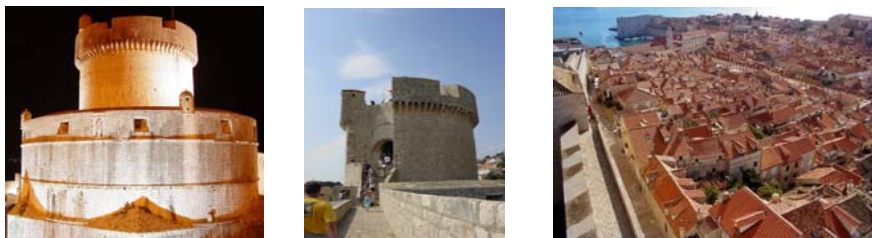
(Minimum 20 persons)

After breakfast enjoy a walking tour of the old walled city of Dubrovnik guided in English by local expert guides. The tour starts from the hotel and includes all cities major landmarks. The participants have the opportunity to walk the streets of historic Dubrovnik, to feel the cities' vibrant life, to see its palaces and monuments, to visit some of its museums (Rector's palace, the Cathedral and its Treasury, the Dominican and the Franciscan Monasteries with their museums and collections). The Franciscan Monastery was built in the transitional Romanesque- Gothic style and its lofty interior (reputed once to have had ceiling paintings by Titian) was completely reconstructed after the Great Earthquake of 1667.



The **Old Pharmacy**, located inside the Franciscan monastery, was opened in 1317. It is the third oldest pharmacy in Europe, but the only one still working. The inventories, ceramics, bowls, laboratory equipment and old medical books of the old Pharmacy are kept in the Franciscan Monastery Museum, among other highly valued and priceless objects of Dubrovnik's historic and cultural past.

The Franciscan monastery's library possesses 30,000 volumes, 22 incunabula, 1,500 valuable handwritten documents. The well-labeled exhibits include a 15th century silver-gilt cross and silver thurible, an 18th century crucifix from Jerusalem in mother-of-pearl on olive wood, an martyrology (1541) by Bernardin Gucetić (Gozze) and illuminated Psalters. Among the pictures is one of Ruđer Bošković painted in London in 1760, and a painting showing the town before the earthquake. There will be much more to see in this aristocratic city bound with many tales and legends.

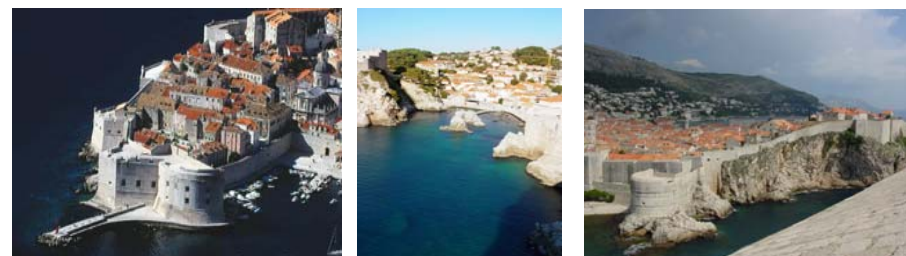


The **City Walls of Dubrovnik** are among the finest and most complete in Europe. They protected the freedom of Dubrovnik Republic for centuries. They surround the entire Old City with their 1940 meters of length and up to 25 meters of height. The whole City wall complex was built from the 8th until the 16th century, consisting of an inner and outer section. There are five bastions, 3 circular and 12 square and rectangular towers, two corner towers, and one huge fortress.

The outer section of City Walls consists of a lower wall, having 10 semicircular bastions built by the famous Italian architect Michelozzo. The town is defended by two more separate fortresses, Revelin on the eastern side and Lovrijenac on the southwest side. The moat ran around the outside section of the City Walls.

Today, these unique ramparts are the major landmarks of Dubrovnik. The tour requires a lot of walking including steps and offers a splendid view on the cities' roofs, the sea and the islands. After the tour participants shall visit a gallery and a gift shop with an excellent opportunity to buy a valuable and discounted piece of art or just a small souvenir. Refreshment is offered in the gallery (choice of soft drinks or brandies and appetizers). The best thing to do after the tour is to enjoy the city on your own – to explore by yourself,

to enjoy the drinks at one of the numerous side cafes, to hunt for souvenirs or to do some shopping.



**Price Includes:** coach, local guides in English, entrance fees to the museums, entrance fees to the city walls. Flat and comfortable shoes and clothes are recommended.

**Duration:** approximately 4 hours.

## TRAVEL INFORMATION

### Traveling to and from Dubrovnik

Dubrovnik has an International Airport Čilipi (DBV). Both direct international and domestic flights arrive at and depart from this airport using a single terminal complex.

Domestic Airline Company **Croatia Airlines** offers direct flights on routes to and from Dubrovnik from Frankfurt, London, Paris, Rome and Vienna; also transit flights via Zagreb are possible.

For all information please contact your travel agent or directly at

[www.croatiaairlines.com](http://www.croatiaairlines.com) or [www.airport-dubrovnik.hr](http://www.airport-dubrovnik.hr).

### Passport and Visa

All visitors need a valid passport for entry in Croatia. In case visa is required, please contact local Croatian Embassy or Consulate or check at [www.mfa.hr](http://www.mfa.hr)

Your airline or travel agent can advise you regarding the procedure for visa applications.

### Time difference

For international passengers, please allow at least a day in which to adjust to the time difference. At the time of the Conference, Croatian time is a Central European Time (GMT+1).

## Currency

Croatian currency, Kuna (Kn), is decimal.

Notes are 1000, 500, 200, 100, 50, 20, 10 and 5 Kuna

Coins are 5, 2, 1, 0.5, 0.2, 0.1, 0.05, 0.02, 0.01 Kuna

1 Kuna is 100 Lipa.

## Foreign Exchange

Facilities to exchange foreign currency are available at the airport, in the hotel and throughout the city.

For a first approximation, exchange rates are

100 EUR are approx. 750 Kn

100 Kn are approx. 13,5 EUR

## Electricity

The electrical supply is 220 volts and 50 Hz. Connection for appliances is 2-pin plug.

## CONFERENCE VENUE

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Approximativ deistances:

Airport Čilipi – Hotel Croatia, Cavtat: 10 km

Hotel Croatia, Cavtat – Dubrovnik centre 20 km

