

1ST INTERNATIONAL CONFERENCE

CONSTRUCTION MATERIALS FOR SUSTAINABLE FUTURE

19 - 21 APRIL 2017, ZADAR, CROATIA

COMS 2017

ORGANIZED BY:



BROCHURE

FINAL PROGRAMME

UNDER THE AUSPICE OF:



Croatian Chamber
of Civil Engineers



Ministry of Construction and Physical Planning

MINISTARSTVO GRADITELJSTVA I PROSTORNOGA UREĐENJA

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Dear Colleagues,

We are honored to wish You a warm welcome to the 1st International Conference "Construction Materials for Sustainable Future - CoMS 2017". The main scope of this conference, taking place in Zadar, is to highlight the importance of sustainable development for our future being with main focus on construction materials and their application in sustainable structures.

The conference program is a result of effort of many people all around the world. We want to express our gratitude to the members of the Conference Program Committee, Conference Organizing Committee, Conference Scientific Committee and the external reviewers for their hard work in reviewing submissions. The conference consists of a Plenary session with Plenary keynotes and a set of 7 oral sessions complying with conference topics. Each of 7 oral sessions will begin with a lecture presented by an invited lecturer. Oral sessions and poster session are including altogether 141 papers.

CoMS_2017 conference would not be possible without the excellent papers contributed by authors. The conference accepted 141 papers and hot posters in total. The authors of accepted papers come from 43 countries all over the world. We thank all the authors for their contributions and their participation in CoMS 2017! We feel honored and privileged to serve the best recent developments in the field of sustainable materials for sustainable structures to all conference participants through this exciting program. We hope that this program will stimulate further research in the field of construction materials and their application in sustainable structures, and provide practitioners with better techniques, and tools for deployment.

The Local Organizing Committee members and their associates put an extraordinary effort into ensuring the success of the day-to-day operation of the meeting and many thanks them for that. Faculty of Civil Engineering University of Zagreb together with the BAM Federal Institute for Materials Research and Testing, Slovenian National Building and Civil Engineering Institute and Faculty of Technical Sciences University of Novi Sad, would like to thank various institutions, patrons and sponsors on support in the preparation and organization of the CoMS_2017 conference.

Finally, we welcome you to Zadar, Croatia, a long destination for both overseas and international travelers. We hope that you will take advantage of the many sights to see in the city, as well as the many natural and man-made wonders nearby, from the past and from nowadays, during your stay.



Prof Ivana Banjad Pecur, PhD

*Head of Department of Materials
University of Zagreb
Faculty of Civil Engineering*

Chair of Organizing Committee CoMS 2017

HOST

1st International Conference on *Construction Materials for Sustainable Future - CoMS 2017* is hosted by the **University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia** in cooperation with:

- ▶ **University of Novi Sad Faculty of Technical Science, Novi Sad, Serbia**
- ▶ **ZAG - Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia** and
- ▶ **BAM - Federal Institute for Materials Research and Testing, Berlin, Germany.**

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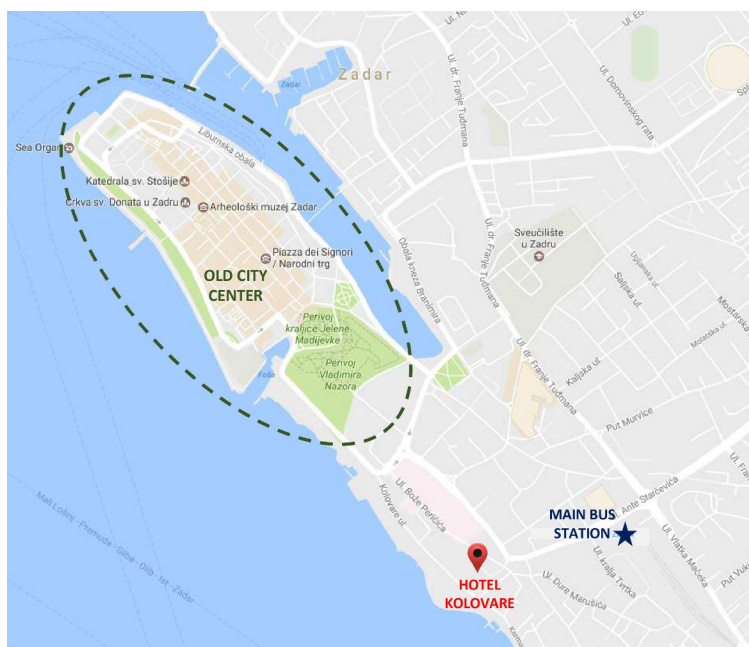
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VENUE AND DATE

1st International Conference on *Construction Materials for Sustainable Future - CoMS 2017* will be held in Hotel Kolovare in Zadar, Croatia, from April 19 - 21, 2017. **HOTEL KOLOVARE** is located near the historical sights of the ancient city of Zadar, in a peaceful and picturesque part of the city. Zadar is the cultural, economic and administrative center of Northern Dalmatia.



LOCATION OF CONFERENCE HOTEL



The hotel has a modern and original architectural structure adapted to the Mediterranean area and it has modern and luxurious equipped rooms with air conditioning. There is a beach near the hotel. The vicinity of the city center with its cultural and historical heritage and the numerous excursion possibilities to the nearby national and nature parks will make your stay in our hotel both pleasant and adventurous. Details about hotel can be found at <http://www.hotel-kolovare.com/en/>

HOW TO REACH THE CONFERENCE HOTEL



□ GETTING TO ZADAR BY PLANE

Zadar Airport, Zadar, Croatia, is located in Zemunik Donji 8 km from the centre of Zadar. Zadar Airport is served by regular bus lines. At Zadar Airport, the bus stop is located next to the main building exit (entrance). Please note that tickets have to be bought in the bus, and it is possible to pay only in cash and in HRK. One way bus ticket price is 25 HRK (approx. 3.50 EUR), baggage transportation included. The time of the bus trip from airport to the city center takes about 20 minutes. The bus stops on the main bus station under the city walls. If you decide to get off on the main bus station in Zadar, the best way to get to the Kolovare hotel is to take a taxi or you can walk. Walking will take you about 5-10 minutes.

If you want to arrange and book a private transfer from Zadar airport to the Kolovare hotel in advance of your trip, you can do it through the on-line system <http://www.lulic.hr/taxi/en/>. All prices can be checked on-line before reservation. When you confirm your booking, you will receive a confirmation E-mail.

□ GETTING TO ZADAR BY CAR

The city of Zadar is an easily reached destination by land, sea and air. It has a good traffic infrastructure through which it is directly connected to other bigger cities of the Republic of Croatia: Zagreb, Rijeka, Split and Dubrovnik. Excellent connectivity makes you come safe and easily: with the new highway Zagreb-Split (A1) in less than 3 hours from Zagreb and Rijeka.

□ GETTING TO ZADAR BY BUS

Zadar is connected by bus lines with all larger cities in Croatia and abroad. Please check the actual time table from some destinations in order to get more precise information. Here is the approximate bus trip duration for some connections:

- ▶ Zagreb - Zadar, cca. 3.5-4.0 hours drive (depending if the bus uses state road or highway)
- ▶ Rijeka - Zadar, cca. 3.5-5.0 hours drive (depending if the bus uses state road or highway)
- ▶ Split - Zadar, cca. 2.5-4.0 hours drive (depending if the bus uses state road or highway)

The bus station in Zadar is situated next to the railway station, at the intersection of Bregdetti and Ante Starcevića Street. All information on departures and arrivals are available from 6.00 to 22.00. Tickets sales are organized at five computerized ticket booths. Tickets can be bought from 6.00 to 22.00. From main bus station you can take a taxi to Kolovare hotel or you can walk. Walking will take you about 5-10 minutes.

□ GETTING TO ZADAR BY FERRY

If you are coming from the direction of Italy, the shortest possible route is through Ancona by ferry. The journey lasts about 8 hours (departure is normally at 22:00 pm and arrival at 6:00 am) and advantage of such a trip is that it is much more pleasant and you are under less stress. More details can be found at <http://www.jadrolinija.hr/en/ferry-croatia>. The ferry port as well as the new tourist port for cruisers are located in the new Gaženica port, some 3 km from the city center. There are regular bus lines operating from Gaženica port to the main bus station.

CONFERENCE HALLS

The registration desk will be located in the *lobby* of Kolovare hotel (Level 0) and will be open at the following hours:

- ▶ **Wednesday, 19th April** from 17:00 pm to 20:00 pm
- ▶ **Thursday, 20th April** from 07:30 am to 8:30 am
from 14:00 pm to 20:00 pm
- ▶ **Friday, 21st April** from 08:30 am to 18:00 pm

The Opening ceremony and Plenary lectures will be held in the Croatian National Theater in Zadar (Address: Siroka ulica 8, 23000 Zadar). Buses will be assured for all participants leaving at 8:30 am in front of the hotel Kolovare. After Opening ceremony and Plenary lectures buses will drive participants back to the hotel Kolovare.

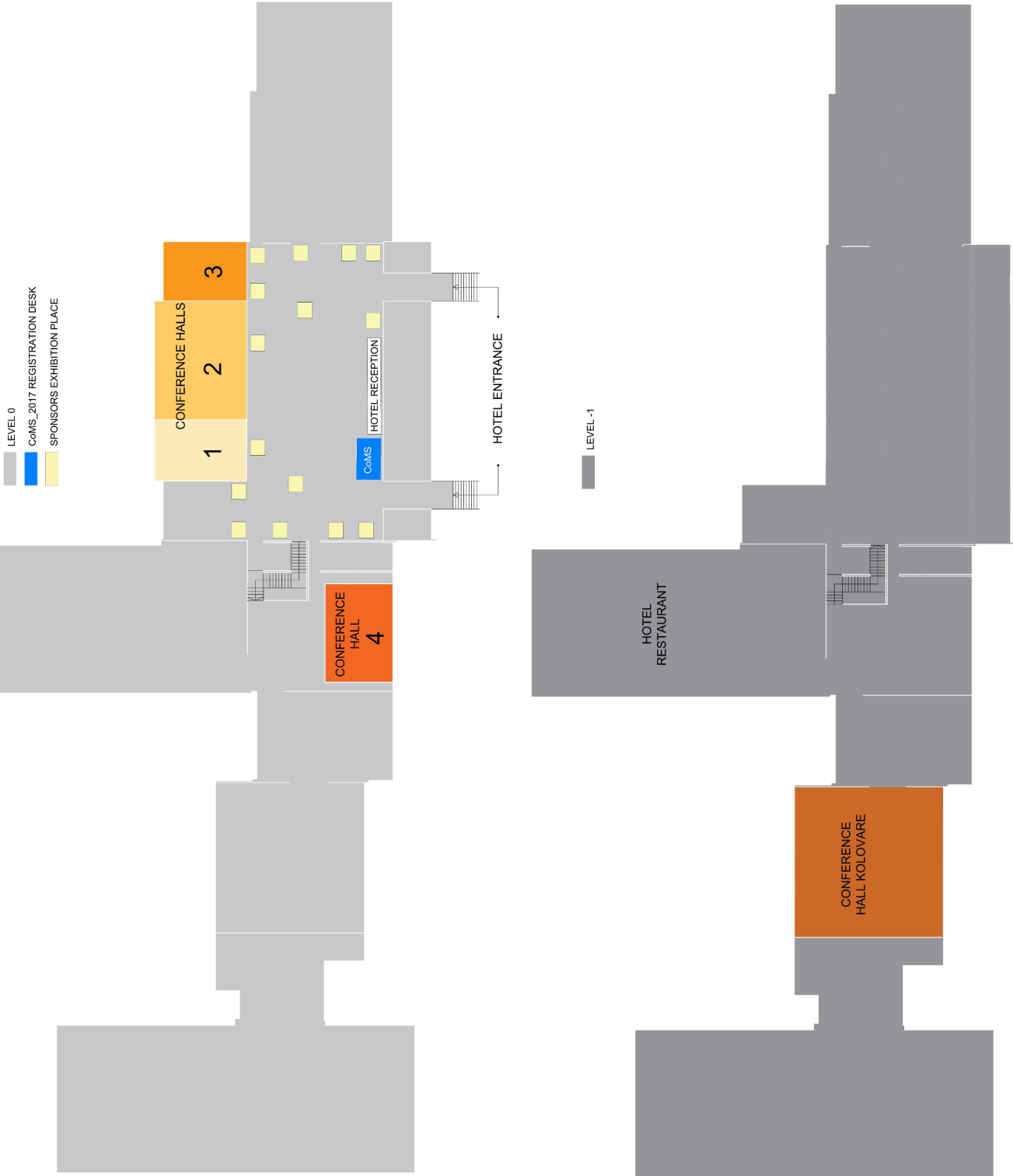
Plenary lectures in Friday, 21.04.2017. will be held in hotel Kolovare, in conference hall *Kolovare* (Level -1).

The Session lectures will be held in conference halls *Kolovare* (Level -1), *Hall 1*, *Hall 2*, *Hall 3* and *Hall 4* located on the ground floor (Level 0).

Poster exhibition will be held in conference hall *Hall 3* (Level 0).



CONFERENCE HALLS FLOOR PLAN



PROGRAMME OVERVIEW

DAY 1 - Wednesday, 19th April 2017

17:00 - 20:00	Registration of participants
18:00 - 20:00	Welcome reception

The Organizers invite all participants to enjoy the appropriate welcome drink and pleasant gathering.

DAY 2 - Thursday, 20th April 2017

07:30 - 08:30	Registration
08:30 (15 min drive)	Gathering & Departure to the Croatian National Theater
09:00 - 10:00	Opening ceremony (at Croatian National Theater)
10:00 - 10:30	PLENARY KEYNOTE 1 (Croatian National Theater)
10:30 - 11:00	PLENARY KEYNOTE 2 (Croatian National Theater)
11:00 - 11:30	Coffee break
11:30 - 12:00	PLENARY KEYNOTE 3 (Croatian National Theater)
12:00 - 12:30	PLENARY KEYNOTE 4 (Croatian National Theater)
12:30 - 13:00	PLENARY KEYNOTE 5 (Croatian National Theater)
13:00 (15 min drive)	Gathering & Departure back to the hotel Kolovare
13:15 - 14:45	Lunch
14:45 - 16:45	Session 1: Innovation in Materials Technology (Conference hall 2)
	Session 2: Materials - Environment Interaction (Conference hall 1)
	Session 3: Sustainable Building Design (Conference hall 3)
15:05 - 16:45	Session 4: Anagennisi - Innovative reuse of all tyre components in concrete (Conference hall 4)
16:45 - 17:15	Coffee break
17:15 - 19:15	Session 5: Assessment and monitoring (Conference hall 1)
	Session 6: Innovation in Materials Technology (Conference hall 2)
	Session 7: Social, economics and health aspects of the built environment (Conference hall 3)
20:45 - 23:30	Conference Gala dinner

PROGRAMME OVERVIEW

DAY 3 - Friday, 21st April 2017

09:00 - 09:30	PLENARY KEYNOTE 6	(Conference hall Kolovare)
09:30 - 10:00	PLENARY KEYNOTE 7	(Conference hall Kolovare)
10:00 - 10:30	Coffee break	
10:30 - 12:30	Session 8: Innovation in Materials Technology	(Conference hall 2)
	Session 9: Protection, Preservation and Repair of Structures	(Conference hall Kolovare)
	Session 10: Innovation in Materials Technology	(Conference hall 1)
		Poster Exhibition (Conference hall 3)
12:30 - 13:30	Lunch	
13:30 - 15:30	Session 11: Protection, Preservation and Repair of Structures	(Conference hall Kolovare)
	Session 12: Materials - Environment Interaction	(Conference hall 1)
	Session 13: Innovation in Materials Technology	(Conference hall 2)
15:30 - 16:00	Coffee break	
16:00 - 18:00	Session 14: Protection, Preservation and Repair of Structures	(Conference hall Kolovare)
	Session 15: Assessment and monitoring	(Conference hall 1)
	Session 16: Innovation in Materials Technology	(Conference hall 2)
18:15 - 19:00	Closing ceremony	(Conference hall Kolovare)

DETAILED PROGRAMME

DAY 1 - Wednesday, 19th April 2017

17:00 - 20:00	Registration of participants
18:00 - 20:00	Welcome reception (<i>welcomed by Ivana Banjad Pecur</i>)

The Organizers invite all participants to enjoy the appropriate welcome drink and pleasant gathering.

DAY 2 - Thursday, 20th April 2017

07:30 - 08:30	Registration	
08:30 (15 min drive)	Gathering & Departure to the Croatian National Theater <i>Assistants: Ivana Carevic and Martina Pezer</i>	
09:00 - 10:00	Opening ceremony (at Croatian National Theater) <i>Moderator: Ana Baricevic</i>	
10:00 - 10:30	Professor Emerita Dubravka Bjegovic (University of Zagreb, Croatia) ALTERNATIVE MATERIALS IN SUSTAINABLE CONSTRUCTION	Chairs: Vlastimir Radonjanin, Andraz Legat
10:30 - 11:00	Prof Karen Scrivener (EPFL, Switzerland) ECO EFFICIENT CEMENTS: POTENTIAL SOLUTIONS FOR A LOW-CO₂, ECO-EFFICIENT CEMENT-BASED MATERIALS INDUSTRY	
11:00 - 11:30	Coffee break	
11:30 - 12:00	Prof Paulo J.M. Monteiro (University of Berkeley, USA) DEVELOPMENT OF MULTI-FUNCTIONAL ENERGY-EFFICIENT STRUCTURAL MATERIALS	Chairs: Wolfram Schmidt, Mirjana Malesev
12:00 - 12:30	Prof Oral Buyukozturk (Massachusetts Institute of Technology, USA) MULTISCALE MODELING FOR SUSTAINABLE AND DURABLE CONCRETE	
12:30 - 13:00	Prof Nele De Belie (Ghent University, Belgium) SELF-HEALING CONCRETE IN AGGRESSIVE ENVIRONMENT	
13:00 (15 min drive)	Gathering & Departure back to the hotel Kolovare <i>Assistants: Ivana Carevic and Martina Pezer</i>	
13:15 - 14:45	Lunch	

Time: 14:45 - 16:45	Session 1: Innovation in Materials Technology (Conference hall 2)	Chairs: Mirjana Malesev, Ana Mladenovic
Paper ID	Title	
302	<i>DeCristofaro, N.; Meyer, V.; Sahu, S.; Bryant, J.; Moro, F.: ENVIRONMENTAL IMPACT OF CARBONATED CALCIUM SILICATE CEMENT-BASED CONCRETE</i>	
198	<i>Perugini, V.; Schwotzer, M.: PROPERTIES OF NEW CEMENT FROM CERAMIC WASTE</i>	
260	<i>Lasseguette, E.; Burns, S.; Simmons, D.; Francis, E.; Chai, H. K.; Koutsos, V.; Huang, Y.: RECYCLING CERAMIC WASTE TO PRODUCE GREEN CONCRETE</i>	
263	<i>Mohaine, S.; Grondin, F.; Rougui, M.; Loukili, A.: LOW DENSITY FLY ASH: AN EFFICIENT BY-PRODUCT FOR LOWER THERMAL CONDUCTIVITY MORTARS</i>	
192	<i>Zalar Serjun, V.; Mladenovic, A.: LADLE SLAG CONTRAVERSITY</i>	
86	<i>Snoeck, D.; De Belie, N.: REDUCING THE RISK OF THERMAL CRACKING IN CEMENTITIOUS MATERIALS BY MEANS OF ENCAPSULATED PHASE-CHANGE MATERIALS</i>	
67	<i>Sonebi, M.; Deegan, P.; Kelly, G.; Taylor, S.; Ferrara, L.; Pattarini, A.: EFFECT OF WATER TO BINDER RATIO AND GROUND GRANULATED BLAST FURNACE SLAG ON MATURITY AND PROPERTIES OF SELF-COMPACTING CONCRETE USED FOR PRE-STRESSED SLABS AND BEAMS</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 14:45 - 16:45	Session 2: Materials - Environment Interaction (Conference hall 1)	Chairs: Nina Stirmer, Aljosa Sajna
14:45 - 15:05	Session keynote: Nina Stirmer, <i>Overview of durability properties of recycled aggregate concrete</i>	
Paper ID	Title	
67	<i>Dodds, W.; Goodier, C.; Austin, S.; Christodoulou, C.; Dunne, D.; Wingrove, E.: THE EFFECT OF COARSE CRUSHED CONCRETE AGGREGATE ON THE DURABILITY OF STRUCTURAL CONCRETE</i>	
40	<i>Duchesne, J.; Fournier, B.; Rodrigues, A.; Durand, B.; Rivard, P.; Shehata, M.: AGGREGATE SELECTION TO IMPROVE DURABILITY OF CONCRETE EXPOSED TO SEVERE ENVIRONMENTAL CONDITIONS</i>	
287	<i>Malbois, M.; Darquennes, A.; De Sa, C.; Benboudjema, F.: EXPERIMENTAL STUDY ON THE EFFECTS OF AGGREGATES IN CEMENTITIOUS MATERIALS SUBMITTED TO DRYING</i>	
74	<i>Strigáč, J.; Martauz, P. : MOULD PROOFNESS PROPERTIES OF CIRCULATING FLUIDIZED BED COAL COMBUSTION ASHES AS NEW ADDED PERFORMANCE VALUE</i>	
81	<i>Wang, J.; Li, F.; Zhou, Z.; Du, P.; Xie, N.; Cheng, X.: EFFECT OF SILICA FUME ON WASTE BASED GEOPOLYMER COMPRESSIVE STRENGTH AND EFFLORESCENCE</i>	
236	<i>Uzunov, N.: WATERPERMEABILITY OF CONCRETE - MECHANISM, METHODS, EXPERIENCE</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 14:45 - 16:45	Session 3: Sustainable Building Design (Conference hall 3)	Chairs: Ivana Banjad Pecur, Bojan Milovanovic
14:45 - 15:05	Session keynote: Ivana Banjad Pecur, <i>Development of energy efficient recycled concrete facade</i>	
Paper ID	Title	
286	<i>Novak, S.: ENERGY EFFICIENT BUILDINGS IN PRACTICE</i>	
146	<i>Zirkelbach, D.: GREEN ROOFS – HYGROTHERMAL SIMULATION OF MOISTURE AND ENERGY PERFORMANCE</i>	
204	<i>Huber, J.: GREEN SENSE CONCRETE</i>	
93	<i>Hlap, M.; Sojat, D.: "GREEN" SYSTEM SOLUTIONS FOR BUILDING ENVELOPES</i>	
141	<i>Buljan, N.; Bjelanovic, A.; Turkulin, H.: STRUCTURALLY GLAZED TIMBER CURTAIN WALL</i>	
258	<i>Trombeva-Gavriloska, A.; Lazarevska, M.; Cvetkovska, M.: EXPERIMENTAL TESTING OF COMPOSITE MATERIALS AND SANDWICH PANELS WITH COMPOSITE FACE SHEETS WITH POLYESTER AND EPOXY MATRIX</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 15:05 - 16:45	Session 4: Anagennisi - Innovative reuse of all tyre components in concrete (Conference hall 4)	Chairs: Ana Baricevic, Alejandro Perez Caldentey
Paper ID	Title	
303	<i>Benboudjema, F.: STUDY OF CRACKING BY SHRINKAGE RESTRAINT IN CEMENT-BASED MATERIALS</i>	
304	<i>Baricevic, A.; Jelcic Rukavina, M.; Pezer, M.; Stirmer, N.; Serdar, M.; Bjegovic, D.; Dzaja, M.; Held, M.; Ruzic, P.: PROPERTIES OF CONCRETE REINFORCED WITH RECYCLED TYRE POLYMER FIBERS</i>	
133	<i>Hu, H.; Papastergiou, P.; Angelakopoulos, H.; Guadagnini, M.; Pilakoutas, K.: FLEXURAL PERFORMANCE OF STEEL FIBRE REINFORCED CONCRETE WITH MANUFACTURED AND RECYCLED TYRE STEEL FIBRES</i>	
65	<i>Francic Smrkic, M.; Damjanovic, D.; Baricevic, A.: FATIGUE BEHAVIOUR OF STEEL FIBRES REINFORCED CONCRETE ELEMENTS</i>	
190	<i>Wang, Z.; Margarit, D. E.; Guadagnini, M.; Pilakoutas, K.: SHEAR BEHAVIOUR OF CONFINED AND UNCONFINED RUBBERIZED CONCRETE</i>	
43	<i>Caldentey, A. P.; García, C. M.; Cembranos, J. M.: A NEW WAY TO SUSTAINABILITY: DESIGNING MORE SLENDER BUILDING STRUCTURES BY USING RECYCLED STEEL FIBRES</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

16:45 - 17:15	Coffee break
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Time: 17:15 - 19:15	Session 5: Assessment and monitoring (Conference hall 1)	Chairs: Andraz Legat, Ivan Juraga
17:15 - 17:35	Session keynote: Andraz Legat, <i>Various aspects of measuring steel corrosion in concrete</i>	
Paper ID	Title	
210	<i>Oshita, H.; Kanemoto, K.: QUANTITATIVE ESTIMATION METHOD OF REBAR CORROSION RATE OF RC STRUCTURES</i>	
200	<i>Baumgartner, E. W.; Kammersberger, A.; Schneider, M.: ENHANCED SERVICE LIFE OF REINFORCED METALS FOR CONCRETE IN A CHLORIDE ENVIRONMENT</i>	
71	<i>Juraga, I.; Simunovic, V.; Alar, V.; Stojanovic, I.; Kurtela, M.: APPLICATION OF Cr-Ni STEELS IN CONSTRUCTION AND OUTFITTING OF BUILDINGS</i>	
206	<i>Corbett, D.; Gattiker, F.: STRUCTURAL ASSESSMENT USING ULTRASONIC PULSE ECHO IMAGING</i>	
269	<i>Bouterf, A.; Smaniotta, B.; Hild, F.; Roux, S.: IN-SITU BEND TESTS ANALYZED BY X-RAY TOMOGRAPHY AND DIGITAL VOLUME CORRELATION</i>	
209	<i>Papayianni, I.; Liapis, A.; Papachristoforou, M.: LIFE CYCLE ASSESSMENT FOR SUSTAINABLE SOLUTIONS OF INFRASTRUCTURE PROJECTS</i>	
167	<i>Pejovic, R.; Bujisić, M.; Serdar, N.; Tesović, I.; Lukovic, O.: AGGRESSIVE IMPACT OF SEAWATER ON CONCRETE STRUCTURES, THE REPAIR THEREOF AND THE EXAMPLE OF THE REHABILITATION OF THE PIER IN BAR HARBOUR</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 17:15 - 19:15	Session 6: Innovation in Materials Technology (Conference hall 2)	Chairs: Sofiane Amziane, Eddie Koenders
Paper ID	Title	
301	<i>Ukrainczyk, N.; Koenders, E. A. B.; Stirmer, N.: TRANSFORMATION OF WOOD ASH WASTE INTO CONSTRUCTION MATERIALS</i>	
291	<i>Carevic, I.; Stirmer, N.; Banjad Pecur, I.; Milovanovic, B.; Baricevic, A.; Jelcic Rukavina, M.: POTENTIAL OF USE WOOD BIOMASS ASH IN THE CEMENT COMPOSITIES</i>	
11	<i>Cosic, K.; Netinger Grubesa, I.: APPLICATION OF ASH FROM AGRICULTURAL BIOMASS IN CONCRETE</i>	
53	<i>Nakic, D.; Baricevic, A.; Stirmer, N.; Serdar, M.; Vouk, D.: MECHANICAL AND DURABILITY PROPERTIES OF CEMENT MORTARS WITH BUILT-IN SEWAGE SLUDGE ASH</i>	
233	<i>Dodoo-Arhin, D.; Nuamah, A. R.; Agyei-Tuffour, B.; Obada, D.; Yaya, A.: AWASO BAUXITE REDMUD-CEMENT BASED COMPOSITES: PROCESSING, CHARACTERISATION, DESIGN AND APPLICATIONS</i>	
201	<i>Camenen, J.-F.; Picandet, V.; Lecompte, T.: INFLUENCE OF COMPACTION PROCESS ON DENSITY AND MICRO-STRUCTURE OF HEMP SHIV PACKING</i>	
58	<i>Castel, Y.; Amziane, S.; Sonebi, M.: INVESTIGATION OF WEATHERING RESISTANCE OF HEMP CONCRETE</i>	
187	<i>Uygunoğlu, T.; Hocoaoğlu, I.; Topçu, I.: THE IMPACT OF STRESS INTENSITY ON SETTING TIME AND POROSITY OF CEMENT-BASED MORTARS OF DIFFERENT SIZES</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 17:15 - 19:15	Session 7: Social, economics and health aspects of the built environment (Conference hall 3)	Chairs: Wolfram Schmidt, Ivana Banjad Pecur
17:15 - 17:35	Session keynote: Wolfram Schmidt, <i>Potentials for sustainable cement and concrete technologies – comparison between Africa and Europe</i>	
Paper ID	Title	
47	<i>Pavlakis, M.; Medic, A.: IMPLEMENTATION OF GOVERNMENT SUBSIDIZED LOW-COST HOUSING PROJECTS IN DOLOMITIC REGIONS OF SOUTH AFRICA</i>	
237	<i>Feric, K.: SUSTAINABLE BUILDING: SCIENCE OR FASHION?</i>	
309	<i>Bobovec, B.; Banjad Pecur, I.: SUSTAINABLE MATERIALS FOR SUSTAINABLE CONSTRUCTION</i>	
104	<i>Schöner, G.; Schuurmans, A.: CONTRIBUTING TO A CIRCULAR ECONOMY BY PUTTING RECYCLED CONTENT & SCARCITY OF THE PRIMARY RAW MATERIALS, ZERO WASTE AND RECYCLABILITY IN THE FOCUS</i>	
35	<i>Tibaut, A.; Kaucic, B.; Dvornik Perhavec, D.; Panetto, H.; Tiano, P.: KNOWLEDGE ENGINEERING APPROACHES FOR BUILDING MATERIALS DOMAIN</i>	
124	<i>Potrc, T.; Kunic, R.; Legat, A.; Dovjak, M.: HEALTH ASPECTS IN BUILDING CERTIFICATION SYSTEMS</i>	
105	<i>Schöner, G.; Schuurmans, A.: HEALTH, SAFETY AND WELL-BEING: A CORE PART OF SUSTAINABLE BUILDINGS</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		
20:45 - 23:30	Gala dinner	

DAY 3 - Friday, 21st April 2017

09:00 - 09:30	Prof Nenad Gucunski (The State University of New Jersey, USA) USE OF ROBOTICS IN AUTOMATED AND COMPREHENSIVE NDE OF RC STRUCTURES (Conference hall Kolovare)	Chairs: Dubravka Bjegovic, Aljosa Sajna
09:30 - 10:00	Prof Mark Alexander (University of Cape Town, South Africa) DEVELOPMENT IN THE PERFORMANCE APPROACH FOR DURABILITY AND SERVICE LIFE PREDICTION FOR CONCRETE STRUCTURES (Conference hall Kolovare)	

10:00 - 10:30	Coffee break
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Time: 10:30 - 12:30	Session 8: Innovation in Materials Technology (Conference hall 2)	Chairs: Jun Zhang, Ivan Gabrijel
10:30 - 10:50	Session keynote: Jun Zhang, <i>Calculation of shrinkage stress in concrete structures</i>	
Paper ID	Title	
60	<i>Würth, D.; Banjad Pecur, I.: SELF-COMPACTING CONCRETE SHRINKAGE MEASUREMENT</i>	
300	<i>Chifflet, P.: COLD TECHNOLOGIES RELATED TO SUSTAINABLE ROADS -EXPERIENCE IN FRANCE</i>	
191	<i>Engelsen, C.; Petkovic, G.: LONG-TERM RELEASE OF HEAVY METALS FROM FOAM GLASS AND RECYCLED CONCRETE AGGREGATES USED IN ROAD CONSTRUCTION</i>	
283	<i>Dahunsi, B. I.; Adesina, P. A.: PROPERTIES OF BITUMEN MODIFIED WITH WASTE COOKING OIL AND HIGH DENSITY POLYETHYLENE FOR APPLICATIONS IN FLEXIBLE PAVEMENT</i>	
54	<i>Medved, S. M.; Lenart, S.; Zlender, B.: GEOCELL-REINFORCED PAVEMENT</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 10:30 - 12:30	Session 9: Protection, Preservation and Repair of Structures (Conference hall Kolovare)	Chairs: Vlastimir Radonjanin, Meri Cvetkovska
10:30 - 10:50	Session keynote: Vlastimir Radonjanin, <i>Fire damages of reinforced structures and repair possibilities</i>	
Paper ID	Title	
289	<i>Toric, N.; Uzelac Glavinic, I.; Boko, I.: SUSTAINABILITY OF ALUMINIUM IN CONSTRUCTION PRACTICE – RECENT FIRE RELATED RESEARCH</i>	
276	<i>Chifliganec, C.; Cvetkovska, M.; Trombeva-Gavrilovska, A.; Jovanoska, M.: PROTECTED AND UNPROTECTED TIMBER BEAMS IN FIRE ENVIRONMENT</i>	
212	<i>Rajcic, V.; Stepinac, M.; Barbalic, J.: ASSESSMENT AND STRUCTURAL HEALTH MONITORING OF HERITAGE TIMBER STRUCTURES</i>	
66	<i>Causevic, M.; Bulic, M.: REPAIR OF BRIDGES IN SEISMIC AREAS FOR EARTHQUAKE RESILIENT SOCIETY</i>	
290	<i>Bacic, M.; Libric, L.; Kovacevic, M. S.: APPLICATION OF GEOSYNTHETICS AS HYDRAULIC BARRIERS IN FLOOD PROTECTION EMBANKMENTS</i>	
314	<i>Urkom, A.: MC - INJECTION TECHNOLOGY WITH HYDROSTRUCTURE RESINS</i>	
Each presentation is limited to 12 min + 3 min is left for the discussion.		

Time: 10:30 - 12:30	Session 10: Innovation in Materials Technology (Conference hall 1)	Chairs: Ana Mladenovic, Marijan Skazlic
Paper ID	Title	
56	<i>Merta, I.; Sajna, A.; Poletanovic, B.; Mladenovic, A.: INFLUENCE OF NATURAL FIBRES ON MECHANICAL PROPERTIES AND DURABILITY OF CEMENTITIOUS MORTARS</i>	
277	<i>Nakov, D. I.; Markovski, G. R.; Arangjelovski, T. P.: INFLUENCE OF STEEL FIBRE REINFORCEMENT ON THE PROPERTIES OF CONCRETE</i>	
79	<i>Richardson, A.; Ovington, R.: PERFORMANCE OF FIBRE CONCRETE WITH REGARD TO TEMPERATURE</i>	
207	<i>Hüsken, G.; Pirskawetz, S.; Meinel, D.: EXPERIMENTAL CHARACTERIZATION OF THE FRACTURE BEHAVIOR OF UHPFRC</i>	
257	<i>Son, M.; Kim, G.; Choe, G.; Kim, H.; Lee, S.: STRAIN RATE EFFECT ON THE MECHANICAL PROPERTIES OF FIBER REINFORCED CEMENT COMPOSITES</i>	
256	<i>Lee, S.; Kim, G.; Kim, H.; Son, M.; Nam, J.: STRAIN HISTORY ON THE REAR SIDE OF CONCRETE SUBJECTED TO HIGH-VELOCITY IMPACT</i>	
203	<i>Kim, G.; Kim, H.; Lee, S.; Son, M.; Nam, J.: IMPACT RESISTANCE OF AMORPHOUS METALLIC FIBER REINFORCED CEMENT COMPOSITE PANELS</i>	
Each presentation is limited to 12 min + 3 min is left for the discussion.		

12:30 - 13:30	Lunch
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Time: 13:30 - 15:30	Session 11: Protection, Preservation and Repair of Structures (Conference hall Kolovare)	Chairs: Aljosa Sajna, Matthias Schwotzer
Paper ID	Title	
31	<i>Shamsuddoha, M.; Baeßler, M.; Hüsken, G.; Pirskawetz, S.; Kühne, H.-C.; Thiele, M.: IDENTIFICATION OF FAILURE PATTERN IN CYLINDRICAL GROUTED CONNECTION FOR WIND STRUCTURES – A PILOT STUDY</i>	
155	<i>Blagojevic, P.; Zivkovic, D.; Sutanovac, A.: REDESIGN AND RECONSTRUCTION OF PARTIALLY COLLAPSED WASTE WATER TREATMENT PLANT</i>	
199	<i>Schwotzer, M.; Heinrichs, J.; ul Islam, M.; Perugini, V.; Gerdes, A.: DURABILITY OF CEMENT-BASED MATERIALS IN DRINKING WATER STORAGE - TOWARDS AN INTEGRAL PERFORMANCE ASSESSMENT</i>	
115	<i>Miksic, B.; Rogan, I.: PROTECTION OF HIGHWAY OVERPASS USING MCI®-INHIBITORS</i>	
216	<i>Jacir, U.; Nagi, M.; Marjaba, N.: BIOBASED AND SUSTAINABLE MULTIFUNCTIONAL CORROSION INHIBITING ADMIXTURE USED IN THE WORLD'S TALLEST BUILDING – BURJ KHALIFA</i>	
49	<i>Sahinagic-Isovic, M.; Cecez, M.: RECONSTRUCTION OF THE MUNICIPAL COURT, NATIONAL MONUMENT BUILDING IN MOSTAR</i>	
245	<i>Nicoletti, A.; Dal Bo, A.: CEMENT-FREE MORTAR FOR REFURBISHMENT OF OLD AND HISTORICAL BUILDINGS - ADVANCED TECHNOLOGY FOR SUSTAINABLE CONSTRUCTION</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 13:30 - 15:30	Session 12: Materials - Environment Interaction (Conference hall 1)	Chairs: Dubravka Bjegovic, Damir Zenunovic
Paper ID	Title	
197	<i>Zhang, Y.; Ye, G.: A MATHEMATICAL MODEL IN CHARACTERING CHLORIDE DIFFUSIVITY IN UNSATURATED CEMENTITIOUS MATERIALS</i>	
18	<i>Zenunovic, D.; Residbegovis, N.; Folic, R.: CHLORIDE PENETRATION THROUGH CONCRETE COVER UNDER PRESSURE OF SALTY WATER</i>	
184	<i>Kabashi, N.; Krasniqi, C.; Sadikaj, A.; Bublaku, S.; Muriqi, A.; Morina, H.: CORROSION IN CONCRETE UNDER SULPHATE AND CHLORIDE ATTACKS</i>	
162	<i>Grengg, C.; Mittermayr, F.; Koraimann, G.; Szabò, M.; Demeny, A.; Dietzel, M.: THE DECISIVE ROLE OF ACIDOPHILIC BACTERIA ON MICROBIAL INDUCED CONCRETE CORROSION IN SEWERS</i>	
126	<i>Stefanoni, M.; Angst, U.; Elsener, B.: RELATIVE IMPORTANCE OF CORROSION RATE AND EXPOSURE CONDITION ON THE PRACTICAL USE OF NEW ENVIRONMENTALLY FRIENDLY BINDERS</i>	
34	<i>Ke, X.; Bernal, S.A.; Provis, J.L.: CHLORIDE BINDING CAPACITY OF SYNTHETIC C-(A)-S-H TYPE GELS IN ALKALI-ACTIVATED SLAG SIMULATED PORE SOLUTIONS</i>	
30	<i>Mundra, S.; Bernal, S.A.; Provis, J.L.: CORROSION INITIATION OF STEEL REINFORCEMENT IN SIMULATED ALKALI-ACTIVATED SLAG PORE SOLUTIONS</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 13:30 - 15:30	Session 13: Innovation in Materials Technology (Conference hall 2)	Chairs: Marija Jelcic Rukavina, Kajo Feric
13:30 - 13:50	<i>Session keynote: Shi Caijun, Eco-Construction Materials Through Innovative Uses of CO₂</i>	
Paper ID	Title	
64	<i>Ristic, N.; Grdic, Z.; Toplicic-Curcic, G.; Grdic, D.; Krstic, D.: POTENTIAL FOR APPLICATION OF WASTE MATERIALS AS MINERAL ADMIXTURE FOR MAKING OF SELF-COMPACTING CONCRETES</i>	
112	<i>Savic, A.; Marinkovic, S.; Jevtic, D.; Zakic, D.; Askrabic, M.: PROPERTIES OF FRESH SELF-COMPACTING CONCRETE WITH RECYCLED CONCRETE FILLER</i>	
29	<i>Jakumetovic, A.; Markulak, D.; Milicevic, I.: PROPERTIES OF LOW STRENGTH SELF-COMPACTING CONCRETE WITH RECYCLED BRICK AS AGGREGATE</i>	
55	<i>Msinjili, N.; Schmidt, W.; Leinitz, S.; Kühne, H.-C.; Rogge, A.: EFFECT OF RHEOLOGICAL PARAMETERS ON RICE HUSK ASH BLENDED PASTES WITH VARIOUS SUPERPLASTICIZERS</i>	
83	<i>Schipper, R.; Grunewald, S.; Troian, S.; Prashanth, R.; Schlangen, E.; Çopuroğlu, O.: ASSESSMENT OF CONCRETE CHARACTERISTICS DURING THE DELIBERATE DEFORMATION OF A FLEXIBLE MOULD AFTER CASTING</i>	
305	<i>Mesic, H.; Skazlic, M.; Banjad Pecur, I.: APPLICATION OF SELF-COMPACTING CONCRETE IN BOSNIA AND HERZEGOVINA</i>	
306	<i>Jelenic, D.; Hozmec, S.; Skazlic, M.: ARCHITECTURAL PRECAST CONCRETE ELEMENTS</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

15:30 - 16:00	Coffee break
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Time: 16:00 - 18:00	Session 14: Protection, Preservation and Repair of Structures (Conference hall Kolovare)	Chairs: Tomislav Kisicek, Juraj Pojatina
Paper ID	Title	
109	<i>Pojatina, J.; Andic, D.: FLEXURAL STRENGTHENING TECHNIQUES IN HISTORIC MASONRY STRUCTURES - THREE CASE STUDIES</i>	
95	<i>Uglesic, D.; Uglesic, A.: MASONRY WALLS REINFORCEMENT OF EX MARASKA BULIDING IN ZADAR</i>	
293	<i>Kisicek, T.; Caric, M.: STRENGTHENING OF REINFORCED CONCRETE STRUCTURES WITH TEXTILE REINFORCED MORTARS</i>	
292	<i>Kisicek, T.; Caric, M.: DESIGN DIAGRAMS FOR FRP FLEXURAL STRENGTHENING OF REINFORCED CONCRETE CROSS SECTION</i>	
311	<i>Basa, N.; Ulicevic, M.; Zejak, R.: THE RESPONSE ANALYSIS OF CONTINUOUS BEAMS WITH FRP REINFORCEMENT</i>	
32	<i>Saje, D.: EXPERIMENTAL INVESTIGATION OF BOND BETWEEN STEEL REBAR AND CONCRETE</i>	
22	<i>Ibrahim, W.: BEHAVIOR OF RC BEAMS WITH LIGHTWEIGHT BLOCKS INFILL</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 16:00 - 18:00	Session 15: Assessment and monitoring (Conference hall 1)	Chairs: Marijana Serdar, Sotirios Grammatikos
Paper ID	Title	
119	<i>Grandic, D.; Sculac, P.; Bjelanovic, A.; Frankovic, T.: CONDITION ASSESSMENT OF TORPEDO LAUNCH PAD STATION STRUCTURE IN RIJEKA</i>	
168	<i>Knezevic, M.; Lucic, D.; Tesovic, I.; Pejovic, R.; Delijic, K.: REHABILITATION OF STEEL BRIDGES ON RAILWAY LINE VRBNICA-BAR</i>	
167	<i>Pejovic, R.; Bujisić, M.; Serdar, N.; Tesović, I.; Lukovic, O.: AGGRESSIVE IMPACT OF SEAWATER ON CONCRETE STRUCTURES, THE REPAIR THEREOF AND THE EXAMPLE OF THE REHABILITATION OF THE PIER IN BAR HARBOUR</i>	
5	<i>Voogt, H.; Louwen, P.; Langelaan, V.: FROM MEASUREMENTS TO PREDICTION OF MOMENT OF INTERVENTION DURING THE (REMAINING) LIFETIME</i>	
138	<i>Grammatikos, S.; Löfgren, I.; Luping, T.; Ye, L.; Liu, J.: ON THE DEVELOPMENT OF A DURABLE GRAPHENE-BASED SENSOR FOR CONCRETE PERFORMANCE MONITORING</i>	
244	<i>Sekulic, D.; Serdar, M.: EXPERIENCE WITH CORROSION MONITORING USING EMBEDDED SENSORS IN THREE BRIDGES ON THE ADRIATIC COAST</i>	
188	<i>Mandic Ivankovic, A.; Strauss, A.; Kuster Maric, M.: EXTRACTING PERFORMANCE INDICATORS FOR ARCH BRIDGE ASSESSMENT</i>	
185	<i>Kuster Maric, M.; Ozbolt, J.; Balabanic, G.; Mandic Ivankovic, A.; Zaric, D.: SERVICE LIFE PREDICTION OF CONCRETE STRUCTURES IN MARITIME ENVIRONMENT – CASE STUDY: MASLENICA MOTORWAY</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

Time: 16:00 - 18:00	Session 16: Innovation in Materials Technology (Conference hall 2)	Chairs: Vilma Ducman, Ivan Gabrijel
Paper ID	Title	
214	<i>Manolova, E.; Ivanov, Y.: APPLICATION OF CONSTRUCTION AND DEMOLITION WASTE AND OTHER BY-PRODUCTS IN CONSTRUCTION</i>	
98	<i>Bosnjak, S.; Ducman, V.: POTENTIAL USE OF WASTE FROM PAPER INDUSTRY IN THE CLAY BRICK SECTOR</i>	
97	<i>Korat, L.; Ducman, V.: X-RAY MICROTOMOGRAPHIC ANALYSIS OF POROUS BUILDING MATERIALS</i>	
84	<i>Trummer, R.; Vill, M: METHODS FOR THE ASSESSMENT OF REINFORCED CONCRETE SLAB BRIDGES WITHOUT WEB REINFORCEMENT BY USING PROBABILISTIC CALCULATION METHODS</i>	
21	<i>Valentini, L.; Dalconi, M. C.; Artioli, G.: ADVANCED METHODS FOR ASSESSING THE NUCLEATION AND GROWTH KINETICS AND MICROSTRUCTURAL DEVELOPMENT OF CONVENTIONAL AND ALTERNATIVE CEMENTITIOUS BINDERS</i>	
92	<i>Sankat, N.; Gottlieb, C.; Millar, S.; Günther, T.; Wilsch, G.: ANALYSIS OF CONCRETE STRUCTURES USING LASER-INDUCED BREAKDOWN SPECTROSCOPY</i>	
254	<i>Chen, M.; Lu, L.; Zhang, S.; Zhang, W.; Wang, S.; Zong, W.; Zhao, P.; Gong, C.: INVESTIGATION OF THE ADDITIVES ON THE PROPERTIES OF EPS MORTAR USING RESPONSE SURFACE METHODOLOGY</i>	
<i>Each presentation is limited to 12 min + 3 min is left for the discussion.</i>		

18:15 - 19:00 **Closing ceremony** (Conference hall Kolovare)

Poster exhibition (Conference hall 3)	
Paper ID	Title
253	<i>Delic Nikolic, I.; Kuresevic, L. M. ; Vusovic, O.: KOSJERIC DIABASE AS BUILDING STONE</i>
151	<i>Samardzioska, T.; Jovanovski, M.; Lepitkova, S.: ZEOLITES - SUSTAINABLE BUILDING MATERIAL</i>
90	<i>Samardzioska, T.; Grujoska, J.; Grujoska, V.; Moslavac, D.: USE OF WASTE GLASS AS AGGREGATE IN CONCRETE</i>
278	<i>Jordan, S.; Ramsak, M.: NEWLY DEVELOPED NCC BASED THERMAL INSULATION BRIMEE</i>
297	<i>Goshev, G.; Prangovski G.; Arangjelovski, T.; Samardzioska, T.: ELECTRONIC GLASS SEWAGE USAGE, ORDINARY GLASS AND LEAD FILM GLASS AS AN AGGREGATE FOR CONCRETE PRODUCTION</i>
178	<i>Mota, B.: THE INFLUENCE OF ADMIXTURES ON CEMENT HYDRATION AND ITS IMPACT ON FLOW PHENOMENA</i>
273	<i>Nie, S.; Yuan, P.; Wang, F.; Hu, S.; Liu, Y.: INFLUENCES OF INTERNAL TEMPERATURE AND HUMIDITY CHANGE ON THE HYDRATION AND MICROSTRUCTURE OF MASS CONCRETE</i>
282	<i>Ducman, V.; Kramar, S.; Tamburini, S.; Natali, M.; Lezak, E.; Bernardi, A. : INNOWEE: INNOVATIVE PRE-FABRICATED COMPONENTS INCLUDING DIFFERENT WASTE CONSTRUCTION MATERIALS REDUCING BUILDING ENERGY AND MINIMISING ENVIRONMENTAL IMPACTS</i>
120	<i>Würth, D.; Cosovic Bajic, S.: CONDITION ASSESSMENT OF COLLECTION CENTER AND RAWHIDE LEATHER WAREHOUSE STRUCTURE</i>
243	<i>Traykova, M.; Chardakova-Nackova, T.: CONDITION ASSESSMENT OF TRADITIONAL POST-REVIVAL RURAL BUILDINGS IN MOUNTAIN REGIONS IN BULGARIA</i>
255	<i>Jeftenic, G.; Kolakovic, Slobodan; Seslija, M.; Kolakovic, Srdan: ASSESSMENT AND PROPOSAL OF REPARATION OF EARTH DAM MESIC NEAR VRSAK</i>
280	<i>Radonjanin, V.; Malesev, M.; Lukic, I.; Supic, S.; Draganic, S.: MASONRY STRUCTURE OF CHURCH IN RUMA - PART 1: THE ASSESSMENT</i>
234	<i>Würth, D.; Dunovic, C.; Barukcic, I.: WATERPROOF CONCRETE STRUCTURES – WHITE TUBS</i>
156	<i>Blagojevic, P.; Grkovic, S.; Romanic, M.: SPECIFIC RECONSTRUCTION ASPECTS OF BELGRADE BUSINESS CENTER “USCE”</i>
279	<i>Lukic, I.; Malesev, M.; Radonjanin, V.; Supic, S.; Bulatovic, V.: MASONRY STRUCTURE OF CHURCH IN RUMA - PART 2: THE REPAIR</i>
285	<i>Prentice, D.: USING THE PITZER MODEL TO PREDICT AQUEOUS SOLUTION COMPOSITIONS OF SYNTHETIC C-A-S-H GELS</i>
160	<i>Vujkov, A.; Bibic, D.; Pesko, I.; Mucenski, V.; Cirovic, G.: ESTIMATION OF RECYCLING CAPACITY OF MULTI-STOREY BUILDING STRUCTURES USING SUPPORT VECTOR MACHINES</i>

Poster exhibition (Conference hall 3)	
Paper ID	Title
134	<i>Vitanov, V. V.: ANALYSIS OF REINFORCED CONCRETE SHEAR WALL STRENGTHENED WITH EXTERNALLY BONDED FIBER REINFORCED POLYMERS SUBJECTED TO CYCLIC LOADING USING CUSTOM MATERIAL MODEL</i>
19	<i>Christofe, A.; Neocleous, K.; Polydorou, T.; Kkolos, A.; Hadjimitsis, D.: SELF-COMPACTING CONCRETE REINFORCED WITH TYRE RECYCLED STEEL FIBRES</i>
85	<i>Maxineasa, S. G.; Neocleous, K.; Dumitrescu, L.; Themistocleous, K.; Taranu, N.; Hadjimitsis, D.: ENVIRONMENTAL LCA OF INNOVATIVE REUSE OF ALL END-OF-LIFE TYRE COMPONENTS IN CONCRETE</i>
137	<i>Mardetko Skoro, N.; Borkovic, T.: THE DEVELOPMENT OF THE REGULATIONS IN THE AREAS OF ENERGY EFFICIENCY FOR BUILDINGS IN THE REPUBLIC OF CROATIA</i>
186	<i>Cizmar, D.; Arbutina, D.; Mackic, D.; Alfirevic Arbutina, H.: REHABILITATION PROJECT OF ATELIER MESTROVIC</i>

WELCOME DRINK

Date and time: Wednesday, 19th April, 18:00 - 20:00

Venue: Hotel Kolovare, Zadar, terrace

The Organizers invite all guests to enjoy a breathtaking panorama, together with the appropriate welcome drink and snack.

Dress code: Casual

CONFERENCE GALA DINNER

Date and time: Wednesday, 20th April, 20:45

Venue: Hotel Kolovare, Zadar

The Organizers welcome all participants to spend a charming evening on the terrace and in the restaurant of the hotel Kolovare. The unique location, excellent cuisine, professional service and special care for details, make the hotel Kolovare an ideal place for the conference banquet. Discover the romantic ambience with the sounds of the traditional music and variety of unique flavors which charm even the most discerning guests!

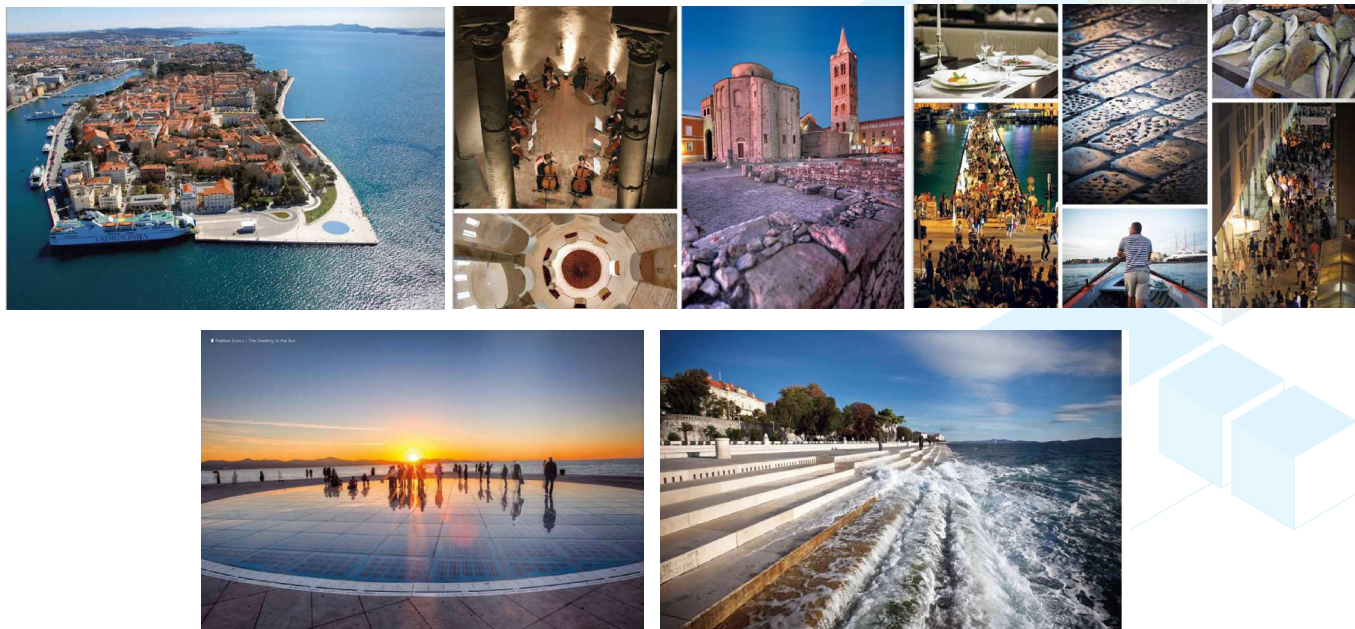
Dress code: Formal



ACCOMPANYING PERSONS PROGRAMME AND EXCURSIONS

□ ZADAR CITY TOUR

For those eager to discover beauties of Zadar, each day a **City Tour** will be organized starting from hotel Kolovare. Tours will start at: **10:00 am in Thursday, April 20th 2017** and **19:00 pm in Friday, April 21st 2017**.



PRICE PER PERSON: 19 EUR or 140 HRK (VAT included), duration 4 hours

**Price includes: transfer to the Old Town and back, guided tour of the city, entrance into St. Donat's church, maraschino tasting at cafe Lovre, insurance.*

For registration please follow the link <https://www.zadarexcursions.com/coms-2017/> or you can ask on registration desk.

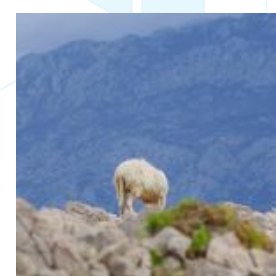
ACCOMPANYING PERSONS PROGRAMME AND EXCURSIONS

□ FULL DAY EXCURSION

To make your stay in Zadar pleasant, we have planned additional social event during **1st International Conference on Construction Materials for Sustainable Future CoMS_2017**.

Please consider joining us during the full day excursion on **Pag - Island of salt in Saturday, April 22nd 2017**.

Island of Pag is known as inevitable gastro destination on the map of Europe. Despite its rocky slopes and lack of fertile soil, hard working islanders made the island one of the most visited places of Croatia. World-class cheese, lamb, wines and salt can be found there. The tradition of producing organically exist on the island for many years. The lamb from Pag has a unique taste due to the aromatic herbs that the autochthonous Pag sheep are beign feed with. From the milk of those sheep high quality hard cheese "Paški sir" is being produced, famous in the entire world for its unique rich flavor. You will be visiting Gligora cheese factory known as the best cheese factory that follows production tradition and providing one of the best home made products. After sightseeing of Pag, we will finish our day with traditional Dalmatian lunch.



PRICE PER PERSON: 51 EUR or 390 HRK (VAT included), from 09:00 am to 16:00 pm

**Price includes: Transfer with bus, local guide, Pag city tour, entrance to Salt museum, entrance to Lace museum, Gligora cheese factory tour & degustation (5 kinds of Gligora cheese, 1 dcl white wine, 1 dcl red wine, bread, olive oil, olives), Lunch (soup, Pag lamb, side dish, salad, traditional Pag cake, homemade bread, 1 drink-juice, wine, beer, still water).*

For registration please follow the link <https://www.zadarexcursions.com/coms-2017/> or you can ask on registration desk.

OFFICIAL LANGUAGE

Official language of the Conference is **English**. However, authors who would like to present their paper in Croatian are more than welcome, but please keep in mind that translation facilities will not be provided. In case of presenting the paper in Croatian, Organizing Committee kindly asks authors to prepare their presentation slides in English so that English-speaking participants could be able to follow it more easily.

CONFERENCE BADGE

Everyone is kindly requested to wear her/his name badge during the Conference as it provides access to the scientific sessions, poster session, lunches, coffee breaks and conference gala dinner

LUNCHES AND COFFEE BREAKS

Lunches will be served during the conference day at the restaurant of the hotel Kolovare. On entering the restaurant, participants will be required to submit their "lunch coupons" which they will receive during the registration at Registration desk. Coffee breaks will be served during the conference days at the main hall of the conference site according to the program timetable.

INTERNET

Wireless internet access will be available at the conference venue.

SSID: hotel kolovare Password: astra023

TECHNICIANS SERVICE

All speakers should check and upload their presentations at the Registration desk (in the lobby of Kolovare hotel) at the latest one hour before the relevant session.

Technical support will be at your service during the opening hours of the Registration desk.

DURATION OF PRESENTATION

Due to the tight presentation schedule each participant selected for presentation is kindly asked to present his work in **12 min**. Additional 3 min is left for the discussion of each presentation. All speakers are kindly asked to prepare the presentation in English in a PowerPoint format and to save it on a USB memory device.

HOT POSTER PRESENTATION

All authors participating at CoMS_2017 with posters have to print posters by themselves, bring them to the conference and hand over at Registration desk at least in Thursday, 20.04.2017 until 14:00 pm. The Conference Secretariat will provide pins, glue tape and assistance for posters set-up. Poster size should be 70 cm x 100 cm (that is width x height; portrait format). Organizing Committee is unfortunately not able to offer a Poster Printing Service.

Authors with posters who will not be able to come to Zadar, are kindly asked to send printed poster to Hotel Kolovare (address: Boze Pericica 14 , 23000 Zadar, Croatia) with note that packet is intended to CoMS_2017 conference.

NOTES

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