

4th International Conference APPLICATIONS OF STRUCTURAL FIRE ENGINEERING



ASFE'15

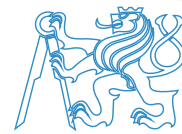
15 - 16 October 2015.
Hotel Valamar Lacroma Dubrovnik, Croatia
www.grad.unizg.hr/asfe2015

FINAL PROGRAMME



University of Zagreb
Faculty of Civil Engineering

Organized by:



Czech Technical University
in Prague

Under the auspices of:



HRVATSKA UDRUGA ZA
ZAŠTITU OD POŽARA



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Dear Colleagues,

We are honored to wish You a warm welcome on the fourth International conference “Applications of Structural Fire Engineering - ASFE'15”. This conference, taking place in Dubrovnik, is a continuation of previous three international conferences held in Prague (2009, 2011 and 2013) and result of very productive cooperation between numerous participants during the realization of the COST action TU0904: Integrated Fire Engineering and Response.

The main aim of the ASFE'15 Conference is to bring together experts and specialists in the area of structural fire engineering from all over the World, to share ideas and to exchange the knowledge in this field. We hope that seven conference topics will successfully cover very wide interests of this multidisciplinary technical field which has been fast developing in the past few years. New design methods, inventive numerical tools and wider legislation frame as well as the new materials and their novel applications make the field of structural fire engineering very dynamic and interesting both for the engineers and researchers. Our special intention, as the organizers of ASFE'15, is to make closer interaction between practical and scientific approach to the structural fire engineering, encouraging authors of case studies and good practice examples to accompany experimental and theoretical efforts in this field. ASFE'15 conference will traditionally organize the poster presentation of the papers and reward the best poster and the most promising young researcher.

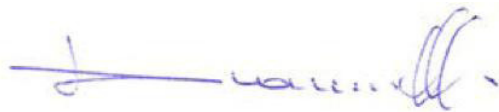
Apart of these professional goals of the ASFE'15 conference, we truly hope that beautiful ambient of ancient Dubrovnik and its amazing surrounding will inspire all participants to give their best roles and provide them a chance to strengthen old friendships and find the new ones.

Faculty of Civil Engineering University of Zagreb and Czech Technical University in Prague, as the organizers of this Conference, would like to thank various institutions, patrons and sponsors, our steering and scientific committees' members and everyone who support and help us in the preparation and organization of the ASFE'15 Conference.

Yours sincerely,



Ass. Professor Miodrag Drakulić, Ph.D.M.E.










Chairman
Organizing Committee of ASFE'15

HOST

















4th International Conference on *Applications of Structural Fire Engineering - ASFE'15* is hosted by the University of Zagreb, Faculty of Civil Engineering in cooperation with the Czech Technical University in Prague.


















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VENUE AND DATE

4th International Conference of *Applications of Structural Fire Engineering - ASFE'15* will be held in Hotel Valamar Lacroma in Dubrovnik, Republic of Croatia, from October 15 - 16, 2015.

LOCATION OF CONFERENCE HOTEL



HOW TO REACH THE CONFERENCE HOTEL

- **Getting to Dubrovnik by plane**

Airport Čilipi (DBV), Croatia, 23 km from Dubrovnik.

Dubrovnik Čilipi Airport is served by regular shuttle bus lines. Please note that tickets have to be bought in the bus. The time of the bus trip from the airport to the city center takes about 40 minutes (or longer), depending on the traffic conditions. The bus stops on the main bus station Dubrovnik and in front of the Old Town Dubrovnik. If you decide to get off on the main bus station in Dubrovnik, the best way to get to the Valamar hotels is to take a taxi. If you decide to get off in front of the Old Town of Dubrovnik, you can either take a taxi or a local bus No. 6.

If you want to arrange a private transfer from Dubrovnik airport to the Valamar hotels, please contact your event agency Aragosa (dragana@aragosa.hr) in order to get an offer and all other necessary information.

HOW TO REACH THE CONFERENCE HOTEL

- **Getting to Dubrovnik by car**

If you choose to drive, the recommended way is to follow the highway to the city of Ploče, and from Ploče continue to drive towards Dubrovnik following the Adriatic coastline road. The drive from Ploče to Dubrovnik takes about 1,5 - 2 hours.

GPS coordinates to accommodation facilities Valamar Lacroma and Tirena:

latitude: 42° 39' 36" N (42.660241666666664N)

longitude: 18° 3' 45" E (18.062605555555592E)

- **Getting to Dubrovnik by bus**

Dubrovnik is connected by bus lines with all larger cities in Croatia and abroad. Please check the actual time table from your town in order to get more precise information.

Here is the approximate bus trip duration for some connections:





Zagreb - Dubrovnik cca. 9 - 10 hours drive (depending if the bus uses coastline road or highway)

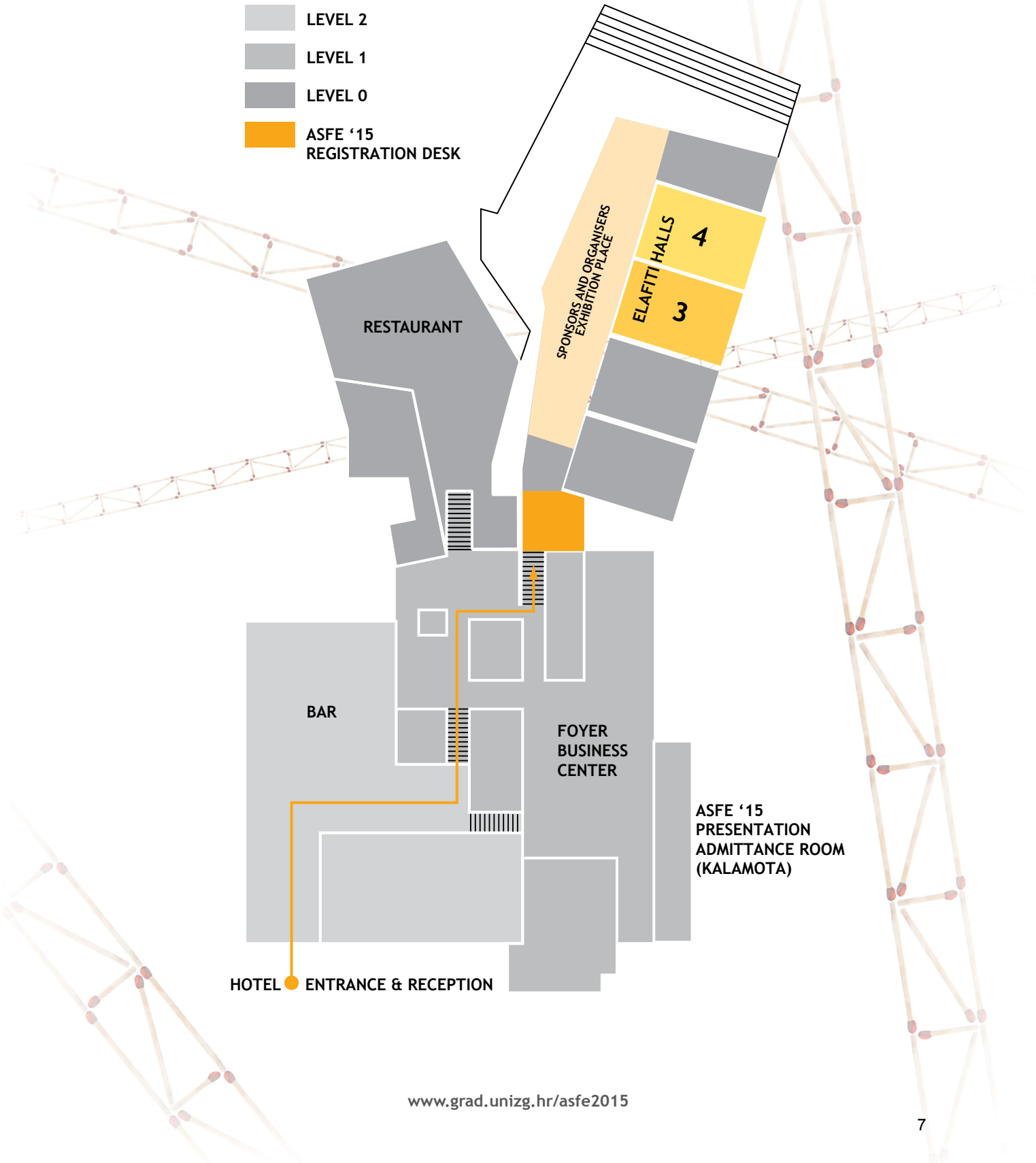
Rijeka - Dubrovnik cca. 9 - 10 hours drive (depending if the bus uses coastline road or highway)

Split - Dubrovnik cca. 4 - 5 hours drive (depending if the bus uses coastline road or highway)

CONFERENCE HALLS FLOOR PLAN

All sessions will be held in the conference halls Elafiti 3 or/and Elafiti 4 (Level 0 as per map below). The Opening ceremony, Keynote lectures and Sessions 1 and 6 will take place in the same halls, but connected into one.

-  LEVEL 2
-  LEVEL 1
-  LEVEL 0
-  ASFE '15 REGISTRATION DESK



DAY 0 - Wednesday, 14th October

17:00 - 19:00 Welcome drinks and Registration of Participants

DAY 1 - Thursday, 15th October

Time		Session room
08:00 - 08:50	Registration of Participants	
08:50 - 09:30	Opening ceremony	ELAFITI 3+4
09:30 - 09:50	KEYNOTE LECTURE 1	ELAFITI 3+4
09:50 - 10:10	KEYNOTE LECTURE 2	ELAFITI 3+4
10:10 - 10:45	Coffee break and poster session	
10:45 - 12:45	Session 1: Structural fire design modelling	ELAFITI 3+4
12:45 - 13:45	Photo and lunch	
13:45 - 15:45	Session 2: Structural response - Steel structures	ELAFITI 3
	Session 3: Structural response - Concrete structures	ELAFITI 4
15:45 - 16:15	Coffee break and poster session	
16:15 - 18:15	Session 4: Structural response - Steel and timber structures	ELAFITI 3
	Session 5: Fire and smoke development	ELAFITI 4
19:00 - 20:30	Dubrovnik Old City guided walking tour	
20:30	Conference Banquet	

DAY 2 - Friday, 16th October

Time		Session room
09:00 - 09:20	KEYNOTE LECTURE 3	ELAFITI 3+4
09:20 - 09:40	KEYNOTE LECTURE 4	ELAFITI 3+4
09:40 - 10:20	Contributions from sponsors (Fermacell, Promat, Knauf, Stoebich)	ELAFITI 3+4
10:20 - 10:45	Coffee break and poster session	
10:45 - 12:45	Session 6: Structural fire design applications	ELAFITI 3+4
12:45 - 13:45	Lunch	
13:45 - 15:45	Session 7: Structural response - Composite structures	ELAFITI 3
	Session 8: Structural response - Material behaviour	ELAFITI 4
15:45 - 16:15	Coffee break and poster session	
16:15 - 18:00	Session 9: Energy efficiency and fire safety	ELAFITI 3
	Session 10: Other topics	ELAFITI 4
18:00 - 18:30	Closing ceremony and bid for the next ASFE Conference	ELAFITI 3

DAY 1 - Thursday, 15th OctoberSession room:
ELAFITI 3+4

08:00 - 08:50 Registration of Participants

08:50 - 09:30 Opening ceremony

09:30 - 09:50 *Professor Jean-Marc FRANSEN, University of Liège, Belgium*
DEVELOPMENT OF STRUCTURAL FIRE ENGINEERING OVER THE PAST 25 YEARS AND ISSUES FOR THE FUTURE09:50 - 10:10 *Professor Ian W. BURGESS, University of Sheffield, UK*
ROBUSTNESS OF STEEL/COMPOSITE STRUCTURES IN FIRE

10:10 - 10:45 Coffee break and poster session

Time: 10:45 - 12:45 **Session 1: Structural fire design modelling** **Session room: ELAFITI 3+4**

Paper ID	Author(s)/Title
002	<i>Guan Quan, Shan-Shan Huang, Ian Burgess</i> A COMPONENT-BASED APPROACH TO MODELLING BEAM BOTTOM FLANGE BUCKLING AT ELEVATED TEMPERATURES
005	<i>Feiyu Liao, Zhaohui Huang</i> A HYBRID MODEL TO PREDICT LOCALISED CRACKS OF REINFORCED CONCRETE SLABS IN FIRE
006	<i>Marcus Achenbach, Guido Morgenthal</i> RECALCULATION OF LABORATORY TESTS WITH THE EXTENDED ZONE METHOD
038	<i>Du Yong, J.Y. Richard Liew, Mingxiang Xiong, Jie Zou, Zeng Bo</i> BUCKLING RESISTANCE OF AXIALLY RESTRAINED CHORD MEMBER OF GRID STRUCTURE AT ELEVATED TEMPERATURE
045	<i>Omid Pouran, Reinhard Harte, Carsten Peter</i> NONLINEAR STRUCTURAL ANALYSIS OF A 2D CUT-AND-COVER TUNNEL EXPOSED TO FIRE
040	<i>Nicole Leo Braxtan, Qian Wang, Reeves Whitney, Gregory Koch</i> NUMERICAL ANALYSIS OF A COMPOSITE STEEL BOX GIRDER BRIDGE IN FIRE
048	<i>Ha Nguyen, Ann E. Jeffers, Venkatesh Kodur</i> MACRO-ELEMENT MODEL OF A STEEL MOMENT FRAME SUBJECTED TO FIRE-INDUCED COLUMN LOSS
065	<i>João Ferreira, Paulo Vila Real, Carlos Couto, Paulo Cachim</i> GEM - A SOFTWARE FOR STABILITY VERIFICATION OF NON-UNIFORM MEMBERS Adaptation of the general method procedure to fire design

Each presentation is limited to 12 min + 3 min is left for the discussion.

12:45 - 13:45 Photo and lunch

Time: 13:45 - 15:45	Session 2: Structural response - Steel structures	Session room: ELAFITI 3
Paper ID	Author(s)/Title	
009	<i>André Reis, Nuno Lopes, Paulo Vila Real</i> SHEAR BUCKLING EVALUATION IN STEEL PLATE GIRDERS WITH RIGID END POSTS SUBJECTED TO ELEVATED TEMPERATURES	
022	<i>Anita Treven, Tomaž Hozjan, Miran Šaje</i> PERFORMANCE-BASED ANALYSIS OF PLANAR STEEL FRAME IN FIRE The effect of different types of thermal insulation	
024	<i>Iolanda Del Prete, Nicola Di Fiore, Emidio Nigro, Luca Ponticelli, Giovanni Di Stefano</i> INVESTIGATION ACTIVITY ABOUT A COLLAPSED STEEL STRUCTURE SUBJECTED TO A REAL FIRE Fire scenarios and structural behaviour of real steel structure	
047	<i>Nuno Lopes, Pedro Gamelas, Paulo Vila Real</i> PARAMETRIC STUDY ON THE LATERAL TORSIONAL BUCKLING OF STAINLESS STEEL I BEAMS WITH CLASS 4 CROSS-SECTIONS IN CASE OF FIRE	
052	<i>Ivo Schwarz, Martin Slatinka, Michal Jandera</i> STRUCTURAL FIRE BEHAVIOUR OF Z PURLINS	
064	<i>Flávio Arrais, Nuno Lopes, Paulo Vila Real</i> PARAMETRIC STUDY ON THE FIRE RESISTANCE OF STEEL COLUMNS WITH COLD-FORMED LIPPED CHANNEL SECTIONS	
069	<i>Ioan Both, Ioan Mărginean, Calin Neagu, Florea Dinu, Dan Dubina, Raul Zaharia</i> EXPERIMENTAL RESEARCH ON T-STUBS UNDER ELEVATED TEMPERATURES	
081	<i>Véronique Saulnier, Sébastien Durif, Abdelhamid Bouchair, Philippe Audebert, Mohamed Lahmar</i> EXPERIMENTAL STUDIES OF UNPROTECTED AND PROTECTED STEEL STRUCTURES UNDER FIRE	

Each presentation is limited to 12 min + 3 min is left for the discussion.

Time: 13:45 - 15:45	Session 3: Structural response - Concrete structures	Session room: ELAFITI 4
Paper ID	Author(s)/Title	
014	<i>Ruben Van Coile, Robby Caspeele, Luc Taerwe</i> POST-FIRE SAFETY OF CONCRETE COLUMNS An engineering-oriented reliability-based assessment tool	
016	<i>Lijie Wang, Robby Caspeele, Luc Taerwe</i> A PARAMETRIC STUDY ON BUCKLING OF R/C COLUMNS EXPOSED TO FIRE	
028	<i>Holly K. M. Smith, Tim J. Stratford, Luke A. Bisby</i> DEFLECTION RESPONSE OF REINFORCED CONCRETE SLABS TESTED IN PUNCHING SHEAR IN FIRE	
054	<i>Urška Bajc, Miran Šajež, Tomaž Hozjan, Igor Planinc, Sebastjan Bratina</i> BUCKLING LOAD OF RC COLUMNS EXPOSED TO ISO FIRE LOAD The influence of the cross-sectional dimensions	
072	<i>Robert Kowalski, Marian Abramowicz, Paweł Chudzik</i> REACTION OF R/C SLABS CROSS-SECTIONS TO FIRE Calculation of simplified substitute temperature loads induced by an unsteady heat flow	
079	<i>Dušan Ružić, Igor Planinc, Urban Rodman, Tomaž Hozjan</i> FIRE ANALYSIS OF CURVED REINFORCED CONCRETE BEAM	
086	<i>Bi Vflj _U 6^Y[cj] , ‡ UbU^A]] Yj] , B]bU^ph]fa Yf</i> EXPERIMENTAL RESEARCH OF PRECAST CONCRETE FLOOR BLOCKS WITH IMPROVED RESISTANCE TO HIGH TEMPERATURE	

Each presentation is limited to 12 min + 3 min is left for the discussion.

15:45 - 16:15 Coffee break and poster session

Time: 16:15 - 18:00	Session 4: Structural response - Steel and timber structures	Session room: ELAFITI 3
Paper ID	Author(s)/Title	
082	<i>Carlos Couto, Paulo Vila Real, Nuno Lopes and Bin Zhao</i> FIRE DESIGN OF STEEL BEAMS WITH SLENDER CROSS-SECTION The influence of loading	
106	<i>Tamás Balogh, László Gergely Vigh</i> OPTIMUM RELIABILITY OF A STEEL TAPERED PORTAL FRAME STRUCTURE EXPOSED TO FIRE	
089	<i>Carlos Couto, Thiago Silva, Martina Carić, Paulo Vila Real, Davor Skejić</i> PERFORMANCE BASED DESIGN OF UNBRACED STEEL FRAMES EXPOSED TO NATURAL FIRE SCENARIOS	
015	<i>Petr Kuklík, Magdaléna Charvátová</i> THE BEHAVIOUR OF SPECIAL OSB BOARDS UNDER FIRE CONDITIONS The influence of OSB board's fire coating on the fire resistance of light timber frame assemblies	
093	<i>Mislav Stepinac, Vlatka Rajčić</i> RELIABILITY OF TIMBER STRUCTURES EXPOSED TO FIRE	
097	<i>Robert Pečenko, Tomaž Hozjan, Goran Turk</i> RELIABILITY OF CURVED TIMBER BEAM EXPOSED TO FIRE	
034	<i>Davor Skejić, Ivan Čurković, Marija Jelčić Rukavina</i> BEHAVIOUR OF ALUMINIUM STRUCTURES IN FIRE A review	

Each presentation is limited to 12 min + 3 min is left for the discussion.

Time: 16:15 - 18:15	Session 5: Fire and smoke development	Session room: ELAFITI 4
Paper ID	Author(s)/Title	
030	<i>David Rush, David Lange, Jamie Maclean, Egle Rackauskaite</i> EFFECTS OF A TRAVELLING FIRE ON A CONCRETE COLUMN - TISOVA FIRE TEST	
037	<i>Johan Anderson, Lars Boström, Robert Jansson, Bojan Milovanović</i> FIRE DYNAMICS IN FAÇADE FIRE TESTS: MEASUREMENT, MODELING AND REPEATABILITY	
080	<i>Timea Márton, Anne Dederichs, Luisa Giuliani</i> MODELLING OF FIRE IN AN OPEN CAR PARK	
083	<i>Alexandra Byström, Johan Sjöström, Ulf Wickström</i> INFLUENCE OF SURROUNDING BOUNDARIES ON FIRE COMPARTMENT TEMPERATURE	
101	<i>Miroslav Smolka, Vladimír Mózser, Piotr Tofito</i> FIRE PERFORMANCE OF COMPOSITE-PANEL SEPARATION WALLS	
114	<i>Egle Rackauskaite, Catherine Hamel, Guillermo Rein</i> IMPROVED TRAVELLING FIRES METHODOLOGY - iTFM	
091	<i>Nenad Papić</i> FIRES IN WOOD INDUSTRY	
035	<i>Miljenko Antić</i> CONTRIBUTION OF SOCIAL PSYCHOLOGY FOR UNDERSTANDING OF HUMAN BEHAVIOR DURING FIRE EMERGENCY	

Each presentation is limited to 12 min + 3 min is left for the discussion.

19:00 - 20:30	Dubrovnik Old City guided walking tour
20:30	Conference Banquet

DAY 2 - Friday, 16th October

Session room:
ELAFITI 3+4

09:00 - 09:20	<i>Dr. John L. GROSS, National Institute of Standards and Technology (NIST), USA</i> THE PAST AND FUTURE OF STRUCTURAL FIRE ENGINEERING IN THE USA
09:20 - 09:40	<i>Professor František WALD, Czech Technical University in Prague, Czech Republic</i> VALIDATION AND VERIFICATION IN FIRE DESIGN OF STRUCTURES - A VALUABLE COST NETWORK OUTCOME
09:20 - 09:40	Contributions from the practice (Fermacell, Promat, Knauf, Stoebich)

Each presentation is limited to 12 min + 3 min is left for the discussion.

10:10-10:45 Coffee break and poster session

Time: 10:45 - 12:45 **Session 6: Structural fire design application** **Session room: ELAFITI 3+4**

Paper ID	Author(s)/Title
007	<i>Mariusz Maslak</i> CHARACTERISTIC VALUE OF THE RANDOM FIRE LOAD DENSITY Probability-based specification depending on the way how the building compartment is used
008	<i>Thomas Gernay</i> SENSITIVITY OF STRUCTURES TO FIRE DECAY PHASES Quantitative comparison of structural components made of different materials
025	<i>Antonio Bilotta, Donatella de Silva, Emidio Nigro</i> STRUCTURAL FIRE SAFETY OF EXISTING STEEL BUILDINGS Possible general approach and application to the case of the intumescent coatings
043	<i>Tom Molkens, François Hanus</i> CONTRIBUTION OF NON-STRUCTURAL CONCRETE WALLS TO THE FIRE RESISTANCE OF UNPROTECTED STEEL FRAMES
051	<i>Ana Sauca, Thomas Gernay, Fabienne Robert, Jean Marc Franssen</i> ANALYSIS OF A CONCRETE BUILDING EXPOSED TO NATURAL FIRE
075	<i>Michal Malendowski, Adam Glema, Wojciech Szymkuc</i> PERFORMANCE BASED COUPLED CFD-FEM ANALYSIS OF 3-BAY HIGH INDUSTRIAL HALL UNDER NATURAL FIRE
084	<i>Tad-Song Kho, Florian M. Block, Thomas G. Lowry</i> DETERMINING THE FIRE RATING OF CONCRETE STRUCTURES Case study of using a probabilistic approach and travelling fires
112	<i>Mikko Salminen, Jukka Hietaniemi</i> PERFORMANCE-BASED FIRE DESIGN OF STEEL STRUCTURES OF HELSINKI OLYMPIC STADIUM

Each presentation is limited to 12 min + 3 min is left for the discussion.

12:45 - 13:45 Lunch

Time: 13:45 - 15:30	Session 7: Structural response - Composite structures	Session room: ELAFITI 3
Paper ID	Author(s)/Title	
004	<i>Shuyuan Lin, Zhaohui Huang, Mizi Fan</i> ANALYSIS OF COMPOSITE BUILDINGS UNDER FIRE CONDITIONS	
012	<i>Ali Alskeif, Ian W. Burgess, Shan-Shan Huang</i> THE MECHANICS OF TENSILE MEMBRANE ACTION IN COMPOSITE SLABS AT HIGH TEMPERATURES	
018	<i>Aaron O. Akotuah, Sabah G. Ali, Jeffrey Erochko, Xia Zhang, George V. Hadjisophocleous</i> STUDY OF THE FIRE PERFORMANCE OF HYBRID STEEL-TIMBER CONNECTIONS WITH FULL-SCALE TESTS AND FINITE ELEMENT MODELLING	
041	<i>Sun-Hee Kim, Kyong Soo Yom, Sung-Mo Choi</i> PREDICTION OF RESIDUAL STRENGTH OF COMPOSITE COLUMNS USING FEM ANALYSIS	
044	<i>Jerneja Kolšek, Tomaž Hozjan, Miran Saje, Igor Planinc</i> A FULLY GENERALISED APPROACH TO MODELLING FIRE RESPONSE OF STEEL-RC COMPOSITE STRUCTURES	
050	<i>Mohammadali Javaheriafif, Buick Davison, Ian Burgess</i> DEVELOPMENT OF A COMPOSITE SLAB BREAK-ELEMENT FOR THE ANALYSIS OF COMPOSITE FRAMES IN FIRE	
094	<i>Milivoje Milanović, Meri Cvetkovska</i> INTERACTION DIAGRAMS AXIAL FORCE-BENDING MOMENT FOR FIRE EXPOSED STEEL-CONCRETE COMPOSITE SECTIONS	

Each presentation is limited to 12 min + 3 min is left for the discussion.

Time: 13:45 - 15:45	Session 8: Structural response - Material behaviour	Session room: ELAFITI 4
Paper ID	Author(s)/Title	
010	<i>Matthias Siemon, Jochen Zehfuß</i> EXPERIMENTAL AND NUMERICAL ANALYSIS OF ULTRA HIGH PERFORMANCE CONCRETE (UHPC) MEMBERS IN CASE OF FIRE	
011	<i>Neno Torić, Rui Rui Sun, Ian W. Burges</i> PERFORMANCE OF DIFFERENT CREEP MODELS IN THE ANALYSIS OF FIRE EXPOSED STEEL MEMBERS	
017	<i>Anne K. Kawohl, Jörg Lange</i> TESTS ON 10.9 BOLTS UNDER COMBINED TENSION AND SHEAR DURING AND AFTER FIRE	
021	<i>JUX]a g; cfYa]_]g. @ _Ug'6`YdJ_, >cgYZBcj U_ž: fUbh]yY_`K U`X</i> TO TESTING OF STEEL FIBRE REINFORCED CONCRETE AT ELEVATED TEMPERATURE	
026	<i>Iolanda Del Prete, Antonio Bilotta, Luke Bisby, Emidio Nigro</i> HIGH TG FRP & CEMENTITIOUS ADHESIVE Potential benefits in fire for NSM FRP strengthened reinforced concrete beams	
057	<i>Gyu Yong Kim, Young Wook Lee, Nenad Gucunski, Gyeong Cheol Choe, Min Ho Yoon</i> STRAIN BEHAVIOUR OF ULTRA-HIGH-STRENGTH CONCRETE UNDER THE ELEVATED TEMPERATURE AND 0.25FCK LOADING	
067	<i>In-Rak Choi, Kyung-Soo Chun</i> RESIDUAL STRENGTH OF STRUCTURAL STEELS: SN400, SM520 AND SM570	
113	<i>Shan-Shan Huang, Harris Angelakopoulos, Kypros Pilakoutas, Ian Burgess</i> REUSED TYRE POLYMER FIBRE FOR FIRE-SPALLING MITIGATION	

Each presentation is limited to 12 min + 3 min is left for the discussion.

15:45 - 16:15 Coffee break and poster session

Time: 16:15 - 17:45	Session 9: Structural response - Energy efficiency and fire safety	Session room: ELAFITI 3
Paper ID	Author(s)/Title	
088	<i>Paweł Roszkowski, Paweł Sulik</i> SANDWICH PANELS - BEHAVIOR IN FIRE BASED ON FIRE RESISTANCE TESTS	
103	<i>Bojan Milovanović, Ivana Banjad Pečur</i> COMPARISON OF THE MEASUREMENT RESULTS OF LARGE SCALE FAÇADE FIRE TESTS USING IR THERMOGRAPHY AND THERMOCOUPLES	
104	<i>L.L. de Kluiver, A.W. Giunta d'Albani, A.C.J. de Korte, R.A.P. van Herpen, R. Weewer H.J.H. Brouwers</i> MASS LOSS AND FLAMMABILITY OF INSULATION MATERIALS USED IN SANDWICH PANELS DURING THE PRE-FLASHOVER PHASE OF FIRE	
108	<i>Ivana Banjad Pečur, Borka Bobovec, Bojan Milovanović, Marina Alagušić</i> FROM ENERGY STRATEGIES THROUGH ENERGY RETROFITTING TO FIRE SAFETY OF BUILDINGS	
109	<i>Elsa Pastor, Beatriu Corberó, Oriol Rios, María Pilar Giraldo, Laia Haurie, Ana Lacasta, Eva Cuerva, Eulalia Planas</i> COMPARTMENT AND FAÇADE LARGE SCALE TESTS: BEHAVIOR COMPARISON OF DIFFERENT INSULATING MATERIALS IN CASE OF FIRE	
115	<i>Meri Cvetkovska, Milivoje Milanovic, Marijana Lazarevska, Ana Trombeva Gavriloska</i> FIRE RESISTANCE OF ENERGY EFFICIENT FLOOR STRUCTURES	

Each presentation is limited to 12 min + 3 min is left for the discussion.

Time: 16:15 - 18:00	Session 10: Other questions	Session room: ELAFITI 4
Paper ID	Author(s)/Title	
100	<i>Abhishek Bhargava, Patrick van Hees</i> PYROLYSIS MODELING OF PVC USING DISTRIBUTED ACTIVATION ENERGY MODEL - MICRO SCALE TESTING	
046	<i>Mirjana Laban, Srđan Popov, Vlastimir Radonjanin, Verica Milanko, Ana Frank, Vukoslavčević Suzana</i> CAPACITY BUILDING IN HIGHER EDUCATION Resilience improvement in Balkan region	
063	<i>Jacek Kinowski, Bartłomiej Sędkak, Paweł Sulik, Daniel Izydorczyk</i> FIRE RESISTANCE GLAZED CONSTRUCTIONS CLASSIFICATION Changes in the field of application	
099	<i>Srđan Popov, Mirjana Laban, Suzana Vukoslavčević, Slobodan Šupić, Sanja Milanko</i> IMPROVING THE QUALITY OF FIRE RISK ASSESSMENT BY USING EVACUATION SIMULATION SOFTWARE	
060	<i>Bartłomiej Sędkak, Jacek Kinowski, Daniel Izydorczyk, Paweł Sulik</i> FIRE RESISTANCE TESTS OF ALUMINIUM GLAZED PARTITIONS Results comparison	
062	<i>Paweł Sulik, Jacek Kinowski, Bartłomiej Sędkak</i> FIRE RESISTANCE OF ALUMINIUM GLAZED CURTAIN WALLS Test results comparison depending on the side of fire exposure	
061	<i>Daniel Izydorczyk, Bartłomiej Sędkak, Paweł Sulik</i> THERMAL INSULATION OF SINGLE LEAF FIRE DOORS Test results comparison in standard temperature-time fire scenario for different types of doorsets	

Each presentation is limited to 12 min + 3 min is left for the discussion.

18:00 - 18:30	Closing ceremony and bid for the next ASFE Conference	ELAFITI 3
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WELCOME DRINK

Date and time: 14th October 2015, 17:00h

Venue: Hotel Valamar Lacroma terrace

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

Dress code: Casual

DUBROVNIK OLD CITY GUIDED WALKING TOUR

Date and time: 15th October 2015, 19:00h - 20:30h

Venue: Dubrovnik old city

The Organizers will provide bus transfer from hotels Valamar Lacroma and Tirena to the old city of Dubrovnik, where professional tour guide will reveal fascinating history of Dubrovnik.

Dress code: Formal

Note: Preferably, wear comfortable shoes since the old city is paved with stone.

CONFERENCE BANQUET

Date and time: 15th October 2015, 20:30h

Venue: Restaurant Klarisa

The Organizers welcome all participants to spend a charming evening on the terrace of the Restaurant Klarisa, in the heart of the old town of Dubrovnik, with the sounds of the traditional music. Discover the romantic ambience and variety of unique flavors which charm even the most discerning guests!

Dress code: Formal

ACCOMPANYING PERSONS PROGRAMME AND EXCURSIONS

On Thursday 15th and Friday 16th October accompanying persons have opportunity to choose between different workshops which are characteristic to the Dubrovnik area. On Saturday, 17th, and Sunday, 18th of October, participants can explore and experience the beauty of the Adriatic coast. More about accompanying persons programme and excursions can be seen at the conference internet site.

OFFICIAL LANGUAGE

Official language of the conference is English. Please, note that translation facilities will not be provided.

REGISTRATION

Registration of participants will take place in front of the conference halls (see conference halls floor plane) on Wednesday, the 14th of October, from 17:00 to 19:00. Registration will also be possible on Thursday, the 15th of October, from 08:00 to 17:00.

During registration, each participant will receive conference bag with proceedings, conference program and sponsors' materials.

CONFERENCE BADGE

Participants are kindly requested to wear her/his name badge during the conference as it provides access to the scientific sessions, poster sessions, lunches, coffee breaks and conference banquet.

LUNCHES AND COFFEE BREAKS

Coffee breaks and lunches 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: Valamar Lacroma

Password: ASFE2015

TECHNICIANS SERVICE

All speakers should check and upload their presentations at the ASFE'15 admittance room (Level 1) at the latest in the breaks just before the relevant session.

Technical support will be at your service in the following hours:

- October 14, Wednesday 17:00 - 19:00,
- October 15, Thursday 08:00 - 17:00 and
- October 16, Friday 08:00 - 13:45.

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 a Power Point or PDF format and to save it on a USB memory device.

POSTER PRESENTATIONS

Posters are divided into 4 different poster sessions, 2 per each day. Posters will be exhibited in parts of conference halls Elafiti 3 and Elafiti 4. The conference secretariat will provide pins and assistance for posters set-up. All participants are kindly asked to bring their posters during registration on Wednesday, 14th or Thursday morning, 15th of October, at the ASFE'15 registration desk. Tradition of the ASFE conferences will be continued, and therefore the best poster will be awarded during the closing ceremony. All ASFE'15 participants will have opportunity to choose and vote for the best poster.

BEST YOUNG RESEARCHER AWARD

In respect to the tradition of the ASFE conferences, the best young researcher will be awarded by the Scientific Committee during the Closing ceremony.

