



# International Conference on Power Systems Transients

15<sup>th</sup> - 18<sup>th</sup> of June 2015  
Cavtat, Croatia



Main sponsor



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## Welcome Message

Dear Colleagues and Friends,

Welcome to the International Conference on Power Systems Transients (IPST 2015) which is held in Cavtat, Croatia from the 15<sup>th</sup> till the 18<sup>th</sup> of June, 2015.

The IPST 2015 is the 11<sup>th</sup> Edition of the conference, which started in 1993 in Lisbon, Portugal, as the European Conference on Power Systems Transients-EPST 1993. Due to its positive response, the conference was then expanded to the IPST conference, promoting the study of the power system transients by offering a platform of scientific and technical excellence for its presentation. Since it is an open conference, it is intended to be a forum for the scientific community involved in all topics related to the study of transient phenomena in power systems. The proceedings of IPST have enjoyed considerable prestige on a worldwide basis.

Traditionally, the IPST conference provides authoritative reviews of the progress and state of research, as well as the opportunity for personal contacts between the entire community of transients researchers. The study of transients is facing many new challenges in modelling, phenomenon analysis and simulation methods. The emergence of dispersed generation, power electronics applications, increased penetration of wind power technologies in power systems and the continuous advances in real-time and non-real-time simulation methods constitute important topics.

Many thanks go to the main sponsor of the IPST 2015, RTDS Technologies Inc., and the other sponsors and donors who acted on their wish to help the conference to the best of their ability in order, to make it more enjoyable and memorable for the participants. Special thanks go to all the authors for their contributions and the reviewers who dedicated their valuable time in reviewing these papers and whose valuable comments and suggestions helped the authors to improve their articles.

We hope that you will have an enjoyable time discussing and exchanging ideas with each other and that you will enjoy Cavtat and the wonderful area of Dubrovnik.

Enjoy the IPST 2015

IPST 2015 Local Organizing Committee

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# IPST 2015 General Information

## Registration Desk Hours

Sunday, June 14	16:00 – 19:00
Monday, June 15	08:00 – 18:00
Tuesday, June 16	08:00 – 18:00
Wednesday, June 17	08:00 – 14:00
Thursday, June 18	08:00 – 15:00

## Name Badge

The admission to all conference sessions is by name badge only. Please be sure to wear your badge at all times.

## Responsibility

The Organizing Committee assumes no responsibility for accident, losses, damage, delays, or any modifications to the program arising from unforeseen circumstances. It accepts no responsibility for travel or accommodation arrangements.

The participant acknowledges that he or she has no right to lodge damage claims against the Organizing Committee should the conference proceedings be hindered or prevented by unexpected political or economic events or generally by acts of God, or should the non-appearance of speakers or other reasons necessitate program changes.

## Internet Access

Wireless internet access is available in the hotel by choosing the 'hotelcroatia' network from your wireless options.

## Conference venue & Accommodation

IPST 2015 conference will be held at the Croatia Hotel, Frankopanska 10, 20 210, Cavtat, Croatia

T: +385 (0) 20 300 332

F: +385 (0) 20 300 329

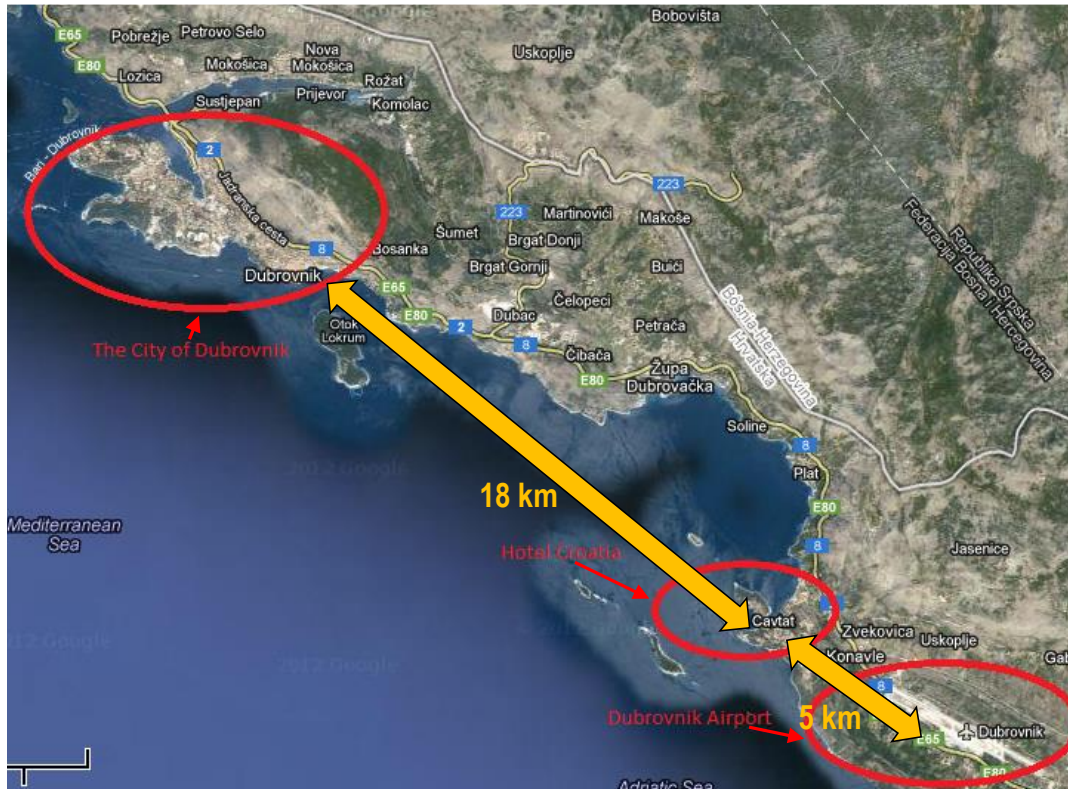
If you arrive by plane, the Dubrovnik Airport is in Čilipi, only 5 km from the conference venue (Cavtat, Hotel Croatia). Situated on a peninsula that juts into the sea at the country's southernmost point, the Croatia Hotel, in Cavtat, combines a stunning location in Cavtat and extensive facilities with easy access to the treasures of the Adriatic coast. We enjoy countless sunny days throughout the year, which makes the views of the open sea, bay of Cavtat and the ancient city walls of Dubrovnik even more spectacular.

## Transfer services

If you wish to schedule a transfer service to the airport or downtown Dubrovnik please call or email at:

T: +385 99 6154 321

M: [ipst2015@ulixtravel.com](mailto:ipst2015@ulixtravel.com)



## Currency

The official currency in Croatia is the kuna (1 kuna = 100 lipa). Foreign currency can be exchanged in banks, exchange offices, post offices and in the majority of tourist information offices, hotels and campsites.

Credit cards (Eurocard / Mastercard, Visa, American Express and Diners) are accepted in almost all hotels, marinas, restaurants, shops and cash machines.

## Climate

The areas along the Adriatic coast have a pleasantly mild Mediterranean climate with a large number of sunny days, summers are hot and dry and winters are mild and wet. The daily average temperatures in the Dubrovnik area in June are about 22°C, highs reaching up to 27°C and lows plummeting to about 16°C. Lighter clothing will be appropriate to wear during the day, along with possibly some warmer items for the evenings. You are very likely to experience dry and warm weather during your stay. The average sea temperature in June is around 21°C.

## Childcare

Childcare services are not offered by the conference.

## **Emergency Telephone Numbers**

Emergency – Police, Ambulance, and Fire: 112

This number can be reached any time, day or night, regardless of where you are in the Republic of Croatia.

Calls to this number are free of charge.

Calls can be made through all operators and all telephone devices by dialing 112.

## **Insurance**

Liability insurance is the responsibility of each individual delegate. Visitors are not covered by the Croatian Medical Health Insurance Plan. Delegates should have their own medical coverage.

## **Lost and found**

All materials lost or found in the auditoriums are brought to the Registration Desk located in the main lobby of the hotel.

## **Parking**

Hotel provides parking for all of its guests.

## **Working hours of shops**

All the year round, the majority of the shops are open from Monday to Saturday from 8.00 am to 8.00 pm. In summer, the majority of the shops are open till 9.00 pm, while the shops in the Old City, particularly souvenir shops, are open till the late night hours.

The majority of the shops are closed on Sundays and on holidays, with the exception of souvenir shops and some other shops in the Old City, which are open on Sundays and on holidays in summer.

The majority of the food shops in all parts of the city are open on Sunday mornings till 2.00 pm. The majority of the shops at the hospital, at the airport and at the bus terminal near the harbor, as well as some kiosks and bakeries, are also open on Sundays.

The Gruž open-air market is open in the morning, while the flower stands remain open till the afternoon. The open-air market in the Old City is closed at noon, with the exception of souvenir stands which are open till the late evening hours in summer.

For all touristic information please visit: <http://visit.cavtat-konavle.com/en>

## Presentation Guidelines

All contributed presentations are allotted 20 minutes. The allotted time includes an announcement of the talk, the presentations and questions. Speakers should allow sufficient time for questions, i.e. for a 20-minute time slot, the talk should be no longer than 15 minutes to allow for at least 5 minutes of questions. All presentations will start on time, according to the conference schedule. Speakers will not be allowed to go over the allowed time.

All rooms will be equipped with a laptop (Windows operating system with MS Office 2013 installed), projector, presenter remote, microphones and loudspeakers. It is the responsibility of the presenter to ensure that your presentation is compatible with our current operating system. The rooms will not be set up to accept a presentation preloaded on a Mac computer.

Powerpoint files of the paper presentations should be sent by means of the following e-mail address: [contact@ipst2015.com](mailto:contact@ipst2015.com). Please specify in which session your paper belongs and name the title of the file with paper ID which is the number of your paper as it appears in the conference program (e.g., 63.ppt/63.pptx). We strongly advise you to send us your presentations, as this will allow us to check the presentations compatibility in advance and to store the presentations on the computers in the session rooms according to the conference schedule. Please also send us your brief CV (of the presenting author) via the same email so the Session Chairman can properly announce you.

In case that you have made any modifications in your presentation, you should bring the presentation properly formatted and pre-loaded on a USB jump drive. A Session Chairman will be in the presentation room half an hour prior to the start of presentations each day to assist you with loading your presentation. The authors presenting the papers in the morning sessions may load their presentations from 8:00am-8:30am and those who present it in the afternoon may load their presentations from 1:30pm-2:00pm. The authors are kindly requested to proceed to the session room at least 15 minutes before the session starts.



# IPST 2015 Social Events

## Welcome Reception

Monday, June 15, 19:00 – 21:00  
Hotel Croatia - Restaurant Alverde terrace  
Reception with snacks and drinks



The IPST 2015 Welcome Reception will be held at the Restaurant Alverde terrace at the Croatia Hotel. The Croatia Hotel is in an exceptionally beautiful and secluded location on a peninsula overlooking the Adriatic on one side and the picturesque historic quarter of Cavtat on the other.

This will be a perfect setting for delegates, students and companions to enjoy a social evening of food, drinks, and conversation.

The world-famous medieval walled city of Dubrovnik can be seen from some hotel terraces. The hotel is only 4.8 km from Dubrovnik International Airport, so you can enjoy the scenery immediately upon arrival.

## Banquet & Excursion

Wednesday, June 17, 15:30 – 23:00  
Electrical substation Plat - Dubrovnik city walls - Restaurant Klarisa  
Buses will depart from the Croatia Hotel  
Suggested clothing: comfortable clothing including a warm shirt or jacket, walking shoes recommended



Delegates and guests will be treated to an afternoon excursion and banquet dinner at the Restaurant Klarisa.

The excursion will start with a visit to the Electrical Substation Plat where you will see a newly renovated plant and a gorgeous panoramic view of Dubrovnik. The main attraction of the Old Town Dubrovnik (the City), apart from its old monasteries and beautiful palaces, are the ancient City walls with its intricate and complex system of forts, bastions,

casemates, towers and detached forts.

The Dubrovnik City walls are the most important feature of Dubrovnik and a world renowned iconic symbol of the white stone beauty, therefore the main reason why Dubrovnik is now known as the Pearl of the Adriatic.

The tour finishes with a walk on the city walls, where you will have a chance to get an overview of this fascinating quarter of the town and to savor the parts of the city you have explored from a different perspective.

Your evening will end with a banquet dinner at the restaurant Klarisa which is in the heart of Dubrovnik.

## IPST 2015 Final Schedule

Monday 15 <sup>th</sup> June	Tuesday 16 <sup>th</sup> June	Wednesday 17 <sup>th</sup> June	Thursday 18 <sup>th</sup> June
8:30-10:00 Opening Ceremony and Keynote Session	8:30-10:15 Technical Sessions	8:30-10:15 Technical Sessions	8:30-10:15 Technical Sessions
10:00-10:30 Coffee Break	10:15-10:30 Coffee Break	10:15-10:30 Coffee Break	10:15-10:30 Coffee Break
10:30-12:15 Technical Sessions	10:30-12:15 Technical Sessions	10:30-12:15 Technical Sessions	10:30-12:15 Technical Sessions
12:30-14:00 Lunch	12:30-14:00 Lunch	12:30-14:00 Lunch	12:30-14:00 Lunch
14:00-15:45 Technical Sessions	14:00-15:45 Technical Sessions	15:30-23:00 Excursion & Banquet Dinner	14:00-15:00 Closing Session
15:45-16:00 Coffee Break	15:45-16:00 Coffee Break		
16:00-17:45 Technical Sessions	16:00-17:45 Technical Sessions		
19:00-21:00 Welcome Reception			

# IPST 2015 Paper Sessions

Day	Time	Session, Room	Session Title	Session Chair	Paper ID	
Mon 15 <sup>th</sup>	8:30-10:00	Ragusa	Opening Ceremony and Keynote Session	-	-	
	10:30-12:15	1A, Bobara	Transformers I	L. Prikler	27, 56, 67, 98, 105	
		1B, Ragusa	Harmonics and Power Quality	A. Ametani	63, 175, 201, 217, 219	
		1C, Orlando	Lightning Surges, Insulation Coordination I	S. Pack	11, 20, 179, 195, 213	
	14:00-15:45	2A, Bobara	Transformers II	M. T. Correia de Barros	122, 130, 131, 140, 211	
		2B, Ragusa	Switching and Fault Transients I	M. Popov	12, 28, 44, 109, 149	
		2C, Orlando	Lightning Surges, Insulation Coordination II	A. C. Lima	66, 107, 156, 208, 216	
	16:00-17:45	3A, Ragusa	Switching and Fault Transients II	S. Pack	31, 39, 45, 53, 221	
		3B, Orlando	Lightning Surges, Insulation Coordination III	A. Xemard	43, 78, 120, 152, 196	
Tue 16 <sup>th</sup>	8:30-10:15	4A, Ragusa	Switching and Fault Transients III	M. Kizilcay	58, 64, 79, 89, 99	
		4B, Bobara	Inrush Currents, Ferroresonance I	H. K. Hoidalén	3, 24, 33, 71, 96	
		4C, Orlando	System Protection, Fault Location I	M. C. Tavares	25, 36, 47, 48, 49	
	10:30-12:15	5A, Ragusa	Switching and Fault Transients IV	I. Uglešić	108, 132, 141, 151, 178	
		5B, Bobara	Inrush Currents, Ferroresonance II	Z. Emin	102, 142, 148, 166, 192	
		5C, Orlando	System Protection, Fault Location II	M. M. Saha	50, 59, 85, 91, 94	
	14:00-15:45	6A, Ragusa	Switching and Fault Transients V	W. Neves	188, 193, 199, 200, 207	
		6B, Orlando	System Protection, Fault Location III	B. Johnson	126, 127, 133, 139, 176	
	16:00-17:45	7A, Ragusa	System Dynamics, Control Systems	R. Gokaraju	35, 40, 150, 185, 222	
		7B, Orlando	System Protection, Fault Location IV	C. H. Kim	182, 194, 202, 204, 232	
	Wed 17 <sup>th</sup>	8:30-10:15	8A, Ragusa	Transmission Lines and Cables I	J. L. Naredo	17, 22, 46, 54, 75
			8B, Bobara	Solution Methods and Algorithms I	T. Noda	15, 29, 34, 72, 147
8C, Orlando			Real-Time Simulators I	J. Mahseredjian	13, 18, 19, 76, 88	
10:30-12:15		9A, Ragusa	Transmission Lines and Cables II	J. R. Marti	82, 106, 111, 121, 124	
		9B, Bobara	Solution Methods and Algorithms II	L. van der Sluis	21, 73, 90, 205, 236	
		9C, Orlando	Real-Time Simulators II	R. Iravani	119, 161, 171, 186, 225	
Thu 18 <sup>th</sup>	8:30-10:15	10A, Ragusa	Transmission Lines and Cables III	M. Armstrong	69, 74, 136, 203, 233	
		10B, Bobara	Integration of Renewable Energy Sources	F. A. Moreira	57, 103, 118, 198, 228	
		10C, Orlando	Parameter Identification	T. Noda	26, 37, 38, 101, 104	
	10:30-12:15	11A, Ragusa	Power Electronics, FACTS, HVDC	B. Johnson	32, 65, 70, 114, 174	
		11B, Orlando	Simulation Tools	P. Gomez	8, 92, 155, 160, 168, 237	

## Monday 15<sup>th</sup> June (sessions 1A, 1B, 1C)

8:30-10:00	Opening Ceremony and Keynote Session		
10:00-10:30	Coffee Break		
10:30	<b>Session: 1A, Transformers I</b>	<b>Session: 1B, Harmonics and Power Quality</b>	<b>Session: 1C, Lightning Surges, Insulation Coordination I</b>
	Room: Bobara	Room: Ragusa	Room: Orlando
	Chair: L. Prikler	Chair: A. Ametani	Chair: S. Pack
	27 - <i>A. Theocharis, M. Popov, V. Terzija</i> , Computation of internal voltage distribution in transformer windings by utilizing a voltage distribution factor	63 - <i>Y. Fillion, S. Deschanvres</i> , Background harmonic amplifications within offshore wind farm connection projects	11 - <i>G. V. Podporkin</i> , Probability estimation of lightning attachment to conductors of 110-220 kV overhead power lines without shielding wires due to the instantaneous phase voltage
10:50	56 - <i>F. A. Netshiongolwe, J. M. van Coller</i> , Electrical Stress Monitoring of Distribution Transformers using Bushing Embedded Capacitive Voltage Dividers and Rogowski Coils	175 - <i>D. Vujatovic, K. Leong Koo, Z. Emin</i> , Methodology of Calculating Harmonic Distortion from Multiple Sources	20 - <i>A. J. G. Pinto, E. C. M. Costa, J. H. A. Monteiro, S. Kurokawa, J. Pissolato</i> , Lightning Performance of Transmission Lines with Tall Sections
11:10	67 - <i>B. Jurišić, I. Uglešić, A. Xemard, F. Paladian, P. Guinic</i> , Difficulties in high frequency transformer modelling	201 - <i>K. L. Koo, Z. Emin</i> , Methodology for Modelling and Assessing Harmonic Impact of HVDC Connections in the Vicinity of Renewables	179 - <i>B. Filipović-Grčić, B. Franc, I. Uglešić, V. Milardić, A. Tokić</i> , Lightning Overvoltage Performance of 110 kV Air-Insulated Substation
11:30	98 - <i>H. K. Høidalen, A. Lotfi, S. E. Zirka, Y. I. Moroz, N. Chiesa, B. A. Mork</i> , Benchmarking of hysteretic elements in topological transformer model	217 - <i>M. Bazina</i> , Determining the source of harmonic distortion with a single measuring device	195 - <i>M. Zinck, J.-B. Frain</i> , Multi-Chamber Arrester Field Test Experience on Medium Voltage Overhead Line in Asia
11:50	105 - <i>A. Lotfi, H. K. Høidalen, N. Chiesa</i> , Effect of DC biasing in 3-legged 3-phase transformers taking detailed model of off-core path into account	219 - <i>B. Milešević, I. Uglešić, B. Filipović-Grčić</i> , Power Quality Analysis in Electric Traction System with Three-phase Induction Motors	213 - <i>D. Bago</i> , Application of the Lightning Location System for the selection of Lightning Protection of Overhead Medium Voltage Lines using Long Flashover Arresters
12:15	Sessions End		
12:30-14:00	Lunch		

## Monday 15<sup>th</sup> June (sessions 2A, 2B, 2C)

Authors/Chair Meeting in Sessions Rooms			
13:30	<b>Session: 2A, Transformers II</b>	<b>Session: 2B, Switching and Fault Transients I</b>	<b>Session: 2C, Lightning Surges, Insulation Coordination II</b>
	Room: Bobara	Room: Ragusa	Room: Orlando
	Chair: M. T. Correia de Barros	Chair: M. Popov	Chair: A. C. Lima
	14:00	122 - <i>M. C. Camargo, G. Marchesan, L. Mariotto, G. Cardoso Junior, L. F. F. Gutierrez,</i> A Modeling Methodology for Inductive and Capacitive Voltage Transformers for High-Frequency Electrical Transients Analysis	12 - <i>B. Filipović-Grčić, A. Župan, I. Uglešić, D. Mihalic, D. Filipović-Grčić,</i> Transients Caused by Switching of 420 kV Three-Phase Variable Shunt Reactor
14:20	130 - <i>G. Marchesan, A. P. Morais, L. Mariotto, M. C. Camargo, A. C. Marchesan,</i> High-frequency Transformer Modeling for Transient Overvoltage Studies	28 - <i>A. I. Shirkovets,</i> Features of Arcing at Single-Phase Damages of Power Cable Insulation in Networks with Resistance in Neutral	107 - <i>V. Milardić, I. Pavić, A. Tokić,</i> Analysis of surge arresters failures in the installation of broadcasting transmitter
14:40	131 - <i>A. Holdyk, B. Gustavsen,</i> External and Internal Overvoltages in a 100 MVA Transformer During High-Frequency Transients	44 - <i>I. Ye. Naumkin, D. V. Kochura, L. I. Sarin,</i> Nonlinear Limiting Resistor (Limistor) – Application in 500 kV Power System	156 - <i>M. Kizilcay, C. Neumann,</i> Lightning Overvoltage Analysis of a 380-kV overhead line with a GIL section
15:00	140 - <i>A. H. Soolot, M. Khanali, H. K. Hoidalen, S. Jayaram,</i> A method to detect the position of internal short circuit in power transformers	109 - <i>W. C. Santos, N. S. D. Brito, B. A. Souza, F. A. Pereira,</i> High Impedance Fault Modeling Based on Statistical Data	208 - <i>A. Xemard, M. Mesić, T. Sadović, D. Marin, S. Sadović,</i> Lightning current field measurement on a transmission line, comparison with electromagnetic transient calculations
15:20	211 - <i>D. Fentie, J. C. Garcia, R. Gokaraju, S. O. Faried,</i> EMT Model of the ‘Sen Transformer’ for Fault Analysis Studies	149 - <i>A. Khursheed, F. Ghassemi, P. Haigh, F. Moore, D. K. Tiong Aik, J. Peng, K. Smith,</i> A Transmission Utility Approach to Electromagnetic Transient Analysis	216 - <i>S. Visacro, F. H. Silveira, M. H. M. Vale,</i> Simplified representation of tower-footing electrodes for assessment of the lightning performance of transmission lines using EMTP-based platforms
15:45	Sessions End		
15:45-16:00	Coffee Break		

## Monday 15<sup>th</sup> June (sessions 3A, 3B)

	<b>Session: 3A, Switching and Fault Transients II</b>	<b>Session: 3B, Lightning Surges, Insulation Coordination III</b>
16:00	Room: Ragusa	Room: Orlando
	Chair: S. Pack	Chair: A. Xemard
	31 - <i>C. Amittai Banda, J. M. Van Coller,</i> Investigation into Resonant Overvoltages in Wind Turbine Transformers due to Switching Surges	43 - <i>P. Sarajčev, J. Vasilj, P. Sereci,</i> Estimating BFOR on HV Transmission Lines Using EMTP and Curve of Limiting Parameters
16:20	39 - <i>T. Kuczek, M. Florkowski, W. Piasecki,</i> Vacuum Circuit Breaker induced transients studies for inverter fed step-up transformer	78 - <i>P. Gómez,</i> Definition of a new formula for the characteristic impedance of vertical conductors for lightning transients
16:40	45 - <i>A. V. Telegin, A. I. Shirkovets, V. F. Nadein,</i> Methodology of Statistical Analysis of Oscillograms: Case Study of Continuous Intermittent Arcing in Mass Impregnated Paper Cable Insulation in 10 kV Distribution Network	120 - <i>A. Mackow, M. Kizilcay, D. Potkrajac,</i> Backflashover Simulations of Multi-circuit Transmission Tower with AC/DC systems
17:00	53 - <i>K. M. C. Dantas, E. P. Machado, W. L. A. Neves, L. C. A. Fonseca,</i> Recursive Digital Filters Design to Compensate CVT Frequency Response: An Application for Transmission Line Controlled Switching	152 - <i>L. Kraulich, A. C. Marchesan, L. Mariotto, F. Loose, M. C. Camargo, G. Marchesan, G. Cardoso Jr.,</i> Stochastic Analysis of Transient Overvoltages at Substations by Applying the Monte Carlo Method Integrated with ATP
17:20	221 - <i>M. Palazzo, M. Popov, A. Marmolejo, M. Delfanti,</i> Revision of TRV Requirements for the Application of Generator Circuit-Breakers	196 - <i>M. Mesić, I. Uglešić, B. Filipović-Grčić, S. Piliškić, M. Mijoč, B. Franc,</i> Overvoltage Protection Performance of the 110 kV Overhead Lines after the Line Surge Arresters Implementation
17:45	Sessions End	
19:00-21:00	Welcome Reception	

## Tuesday 16<sup>th</sup> June (sessions 4A, 4B, 4C)

08:00	Authors/Chair Meeting in Sessions Rooms		
08:30	<b>Session:</b> 4A, Switching and Fault Transients III	<b>Session:</b> 4B, Inrush Currents, Ferroresonance I	<b>Session:</b> 4C, System Protection, Fault Location I
	Room: Ragusa	Room: Bobara	Room: Orlando
	Chair: M. Kizilcay	Chair: H. K. Hoidalén	Chair: M. C. Tavares
	58 - <i>S. M. Gunawardana, S. Perera, J. W. Moscrop,</i> Transient Network Analysis of a 132kV Sub-transmission System Incorporating a Saturated Core Fault Current Limiter	3 - <i>P. Marini,</i> Synchronous Generator Withstand against Transformer Energization	25 - <i>R. L. A. Reis, F. V. Lopes, W. L. A. Neves, D. Fernandes Jr.,</i> Influence of Coupling Capacitor Voltage Transformers on Travelling Wave-Based Fault Locators
08:50	64 - <i>M. Švancar, L. Kočiš, P. Spurný,</i> ARPO-Complex diagnostic system based on transients analysis	24 - <i>U. Rudez, R. Mihalic,</i> Sympathetic Inrush Current Phenomenon with Loaded Transformers	36 - <i>C. R. Saldaña, G. R. Calzolari, C. M. Sena,</i> Design and Implementation of a Protection System against the Self-excitation Phenomenon in Punta del Tigre Thermal Power Plant
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10:15-10:30	Coffee Break		

## Tuesday 16<sup>th</sup> June (sessions 5A, 5B, 5C)

	<b>Session: 5A, Switching and Fault Transients IV</b>	<b>Session: 5B, Inrush Currents, Ferroresonance II</b>	<b>Session: 5C, System Protection, Fault Location II</b>
	Room: Ragusa	Room: Bobara	Room: Orlando
	Chair: I. Uglešić	Chair: Z. Emin	Chair: M. M. Saha
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10:50	132 - <i>A. Garcia, M.C. Tavares,</i> Pseudo-stationary capacitance and conductance for open air artificially generated long electrical arcs considering arc elongation	142 - <i>J. F. Piñeros, J. A. Vélez, J. M. Salas, O. Monroy, M. T. Gutiérrez, F. Montaña,</i> Undesired Trip of a 230 kV Transmission Line due to 500 kV/450 MVA Autotransformer Energization	59 - <i>B. F. Küsel, F. V. Lopes, K. M. Silva,</i> Unconventional Distance Protection in Half-Wavelength Transmission Lines
11:10	141 - <i>J.A. Santiago, M.C. Tavares,</i> Electromagnetic Transient Study of a Transmission Line Tuned for Half Wavelength	148 - <i>J. F. Piñeros, J. A. Vélez, D. Rodríguez,</i> Ferroresonance in a 115 kV Network Due to a Single Line Fault	85 - <i>F. V. Lopes, K. M. Silva, B. F. Küsel,</i> Parametric Analysis of Two-Terminal Impedance-Based Fault Location Methods
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11:50	178 - <i>P. Mestas, M. C. Tavares,</i> Neutral Reactor Optimization in order to Reduce Arc Extinction Time during Three-Phase Tripping	192 - <i>S. I. Kim, B. C. Sung, S. N. Kim, Y. C. Choi, H. J. Kim,</i> A Study on Ferroresonance Mitigation Techniques for Power Transformer	94 - <i>A. K. X. S. Campos, W. L. A. Neves, D. Fernandes Jr.,</i> Enhancing Phasor Estimation in Digital Protective Relays
12:15	Sessions End		
12:30-14:00	Lunch		



## Tuesday 16<sup>th</sup> June (sessions 6A, 6B)

Authors/Chair Meeting in Sessions Rooms		
13:30	Authors/Chair Meeting in Sessions Rooms	
14:00	<b>Session:</b> <b>6A, Switching and Fault Transients V</b>	<b>Session:</b> <b>6B, System Protection, Fault Location III</b>
	Room: Ragusa	Room: Orlando
	Chair: W. Neves	Chair: B. Johnson
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15:45	Sessions End	
15:45-16:00	Coffee Break	

## Tuesday 16<sup>th</sup> June (sessions 7A, 7B)

	<b>Session: 7A, System Dynamics, Control Systems</b>	<b>Session: 7B, System Protection, Fault Location IV</b>
	Room: Ragusa	Room: Orlando
	Chair: R. Gokaraju	Chair: C. H. Kim
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16:40	150 - <i>Z. Shahooei, B. A. Mork, M. Kavimandan, L. J. Bohmann,</i> Time-Domain Simulation for Voltage Collapse Prediction and Wide-Area Control	202 - <i>S. I. A Souza, F. A. Moreira,</i> Evaluation of the Impact of Transmission Line Unbalance in the Distance Protection
17:00	185 - <i>Y. S. Kim, Y. Y. Park, K. M. Lee, H. J. Lee, C. W. Park,</i> Modeling and Fault Simulation of Generator Control System using PSCAD/EMTDC	204 - <i>M. Armstrong, P. Mayer, K. Mai,</i> Simulation Study of a Lightning Initiated 3-Phase Fault on a 138 kV Wood Pole Line without Shielding
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17:45	Sessions End	

## Wednesday 17<sup>th</sup> June (sessions 8A, 8B, 8C)

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	Room: Ragusa	Room: Bobara	Room: Orlando
	Chair: J. L. Naredo	Chair: T. Noda	Chair: J. Mahseredjian
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10:15	Sessions End		
10:15-10:30	Coffee Break		

## Wednesday 17<sup>th</sup> June (sessions 9A, 9B, 9C)

	<b>Session: 9A, Transmission Lines and Cables II</b>	<b>Session: 9B, Solution Methods and Algorithms II</b>	<b>Session: 9C, Real-Time Simulators II</b>
	Room: Ragusa	Room: Bobara	Room: Orlando
	Chair: J. R. Marti	Chair: L. van der Sluis	Chair: R. Iravani
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12:30-14:00	Lunch		
15:30-23:00	Excursion & Banquet Dinner		

## Thursday 18<sup>th</sup> June (sessions 10A, 10B, 10C)

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## Thursday 18<sup>th</sup> June (sessions 11A, 11B)

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Clerc	Bertrand	Wed	8:30	8B	Bobara	72
Cogo	João Roberto	Wed	8:30	8B	Bobara	147
Colaço Dantas	Karcius Marcelo	Thu	8:30	10B	Bobara	57
Colas	Frederic	Wed	10:30	9C	Orlando	186
Correia de Barros	M. Teresa	Thu	8:30	10A	Ragusa	69
Côrtés	A. V. E.	Tue	14:00	6B	Orlando	139
Costa	Eduardo C. M.	Mon	10:30	1C	Orlando	20
Costa	Eduardo C. M.	Thu	8:30	10C	Orlando	38
Cvetković	Miloš	Thu	8:30	10B	Bobara	198
Czumbil	L.	Tue	14:00	6A	Ragusa	207
da Luz	Mauricio	Wed	10:30	9A	Ragusa	82
da Silva	Rodrigo Cleber	Wed	8:30	8A	Ragusa	17
Dantas	Karcius M. C.	Mon	16:00	3A	Ragusa	53
Dantas	Karcius M. C.	Tue	10:30	5A	Ragusa	108
das Chagas Fernandes Guerra	Francisco	Wed	10:30	9C	Orlando	161
de Araújo	Anderson Ricardo Justo	Wed	8:30	8A	Ragusa	17
de Araujo Pereira	Fagner	Wed	10:30	9C	Orlando	161
de Carvalho Filho	José Maria	Tue	8:30	4A	Ragusa	79
de Castro Camargo	Matheus	Mon	14:00	2A	Bobara	130
de Castro Camargo	Matheus	Mon	14:00	2A	Bobara	122
De Conti	Alberto	Tue	8:30	4B	Bobara	33



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De Conti	Alberto	Thu	8:30	10A	Ragusa	136
de Freitas Gutierres	Luiz Fernando	Mon	14:00	2A	Bobara	122
de Jesus	Nelson Clodoaldo	Wed	8:30	8B	Bobara	147
de Lima Filho	J. F.	Tue	14:00	6A	Ragusa	199
de Mattos	L. M. N.	Tue	14:00	6A	Ragusa	199
De Silva	H. M. J. S. P.	Wed	10:30	9A	Ragusa	106
Delfanti	Maurizio	Mon	16:00	3A	Ragusa	221
Denetiere	Sébastien	Wed	8:30	8B	Bobara	72
Denetiere	Sébastien	Wed	8:30	8C	Orlando	88
Denetiere	Sébastien	Thu	10:30	11A	Ragusa	114
Denetiere	Sébastien	Thu	10:30	11A	Ragusa	70
Denetiere	Sébastien	Thu	10:30	11B	Orlando	168
Deschanvres	Simon	Mon	10:30	1B	Ragusa	63
Dias	Guilherme A. D.	Wed	8:30	8B	Bobara	15
Dias	Ozenir Farah	Wed	8:30	8C	Orlando	18
Dimitrovski	Aleksandar	Wed	10:30	9B	Bobara	73
Dommel	Hermann Wilhelm	Wed	8:30	8B	Bobara	147
Dommel	Hermann Wilhelm	Thu	10:30	11B	Orlando	237
Dommel	Hermann Wilhelm	Thu	10:30	11B	Orlando	155
Ebrahimi	Seyyedmilad	Thu	10:30	11B	Orlando	237
El-Akoum	Ali	Wed	10:30	9B	Bobara	205
El-Khatib	Walid Ziad	Thu	10:30	11A	Ragusa	174
Emídio	Maique Paulo S.	Thu	8:30	10A	Ragusa	136
Emin	Zia	Mon	10:30	1B	Ragusa	175
Emin	Zia	Mon	10:30	1B	Ragusa	201
Esmailian	Ahad	Tue	10:30	5C	Orlando	50
Fabián	Renzo G.	Tue	14:00	6B	Orlando	126
Faried	Sherif	Mon	14:00	2A	Bobara	211
Fentie	Donald	Mon	14:00	2A	Bobara	211
Fernandes Jr.	Damásio	Tue	10:30	5A	Ragusa	108
Fernandes Jr.	Damásio	Tue	10:30	5C	Orlando	91
Fernandes Jr.	Damásio	Tue	10:30	5C	Orlando	94
Ferraz	Renato	Tue	14:00	6B	Orlando	176
Filipović-Grčić	Božidar	Mon	10:30	1B	Ragusa	219
Filipović-Grčić	Božidar	Mon	10:30	1C	Orlando	179
Filipović-Grčić	Božidar	Mon	14:00	2B	Ragusa	12
Filipović-Grčić	Božidar	Mon	16:00	3B	Orlando	196
Filipović-Grčić	Dalibor	Mon	14:00	2B	Ragusa	12
Fillion	Yannick	Mon	10:30	1B	Ragusa	63
Flores	Norberto	Wed	10:30	9B	Bobara	90
Florkowski	Marek	Mon	16:00	3A	Ragusa	39
Fonseca	Luiz	Mon	16:00	3A	Ragusa	53

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Fonseca	Luiz	Tue	10:30	5A	Ragusa	108
Forsyth	Paul	Wed	8:30	8C	Orlando	76
Forsyth	Paul	Wed	10:30	9C	Orlando	171
Fortin Blanchette	Handy	Wed	10:30	9C	Orlando	119
Frain	Jean-Baptiste	Mon	10:30	1C	Orlando	195
Franc	Bojan	Mon	10:30	1C	Orlando	179
Franc	Bojan	Mon	16:00	3B	Orlando	196
Fuchs	Andreas	Wed	8:30	8A	Ragusa	54
Garcia	Athos	Tue	10:30	5A	Ragusa	132
Garcia	Juan Carlos	Mon	14:00	2A	Bobara	211
Gazzana	Daniel da Silva	Wed	8:30	8B	Bobara	15
Gerin-Lajoie	Luc	Thu	10:30	11B	Orlando	168
Ghassemi	Forooz	Mon	14:00	2B	Ragusa	149
Ghassemi	Forooz	Tue	8:30	4A	Ragusa	89
Godoy	Elizabeth	Tue	8:30	4B	Bobara	96
Goić	Ranko	Thu	8:30	10A	Ragusa	203
Gokaraju	Rama	Mon	14:00	2A	Bobara	211
Gole	Ani M.	Wed	10:30	9C	Orlando	171
Gómez	Pablo	Mon	16:00	3B	Orlando	78
Gómez	Pablo	Thu	8:30	10A	Ragusa	233
Grebović	Selma	Mon	14:00	2C	Orlando	66
Gregoire	Luc-Andre	Wed	10:30	9C	Orlando	119
Guillaud	Xavier	Wed	10:30	9C	Orlando	186
Gunawardana	Sasareka	Tue	8:30	4A	Ragusa	58
Gurralla	Gurunath	Wed	10:30	9B	Bobara	73
Gustavsen	Bjørn	Mon	14:00	2A	Bobara	131
Gutierrez Morales	Mario Tano	Tue	10:30	5B	Bobara	142
Gutiérrez Robles	José Alberto	Thu	10:30	11B	Orlando	92
Guuinic	Philippe	Mon	10:30	1A	Bobara	67
Guzmán	Armando	Tue	16:00	7B	Orlando	182
Gwon	Gi-Hyeon	Thu	10:30	11A	Ragusa	65
Hafner	Angelo	Wed	10:30	9A	Ragusa	82
Haigh	Peter	Mon	14:00	2B	Ragusa	149
Haigh	Peter	Tue	8:30	4A	Ragusa	89
Han	Joon	Thu	10:30	11A	Ragusa	65
Hanson	Jutta	Tue	16:00	7A	Ragusa	222
Hayati Soolot	Amir	Mon	14:00	2A	Bobara	140
Henville	Charles F	Tue	14:00	6A	Ragusa	188
Holboell	Joachim	Thu	10:30	11A	Ragusa	174
Holdyk	Andrzej	Mon	14:00	2A	Bobara	131
Homma	Rafael	Tue	14:00	6B	Orlando	176
Hong	Ying-Yi	Thu	8:30	10B	Bobara	118

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Hoidalen	Hans Kristian	Mon	10:30	1A	Bobara	98
Hoidalen	Hans Kristian	Mon	10:30	1A	Bobara	105
Hoidalen	Hans Kristian	Mon	14:00	2A	Bobara	140
Iracheta	Reynaldo	Wed	10:30	9B	Bobara	90
Iravani	Reza	Wed	8:30	8A	Ragusa	75
Iurinic	Leonardo	Tue	14:00	6B	Orlando	176
Izykowski	Jan	Tue	8:30	4C	Orlando	47
Izykowski	Jan	Tue	8:30	4C	Orlando	48
Jadid	Sal	Thu	8:30	10C	Orlando	37
Jatskevich	Juri	Thu	10:30	11B	Orlando	237
Jayaram	Shesha	Mon	14:00	2A	Bobara	140
Jira	Jaroslav	Tue	14:00	6A	Ragusa	193
Johnson	Brian	Tue	16:00	7B	Orlando	182
Johnson	Brian	Thu	8:30	10C	Orlando	37
Junior	Damasio	Tue	8:30	4C	Orlando	25
Jurišić	Bruno	Mon	10:30	1A	Bobara	67
Karaagac	Ulas	Tue	10:30	5B	Bobara	166
Karasin Pathirannahalage	Amila Nuwan Pathirana	Tue	14:00	6B	Orlando	133
Karawita	Chandana	Wed	10:30	9C	Orlando	225
Kariyawasam	K. K. M. A.	Wed	10:30	9A	Ragusa	106
Kavimandan	Mandar	Tue	16:00	7A	Ragusa	150
Kezunovic	Mladen	Tue	10:30	5C	Orlando	50
Khairalla	Igor	Tue	14:00	6B	Orlando	176
Khanali	Mahdi	Mon	14:00	2A	Bobara	140
Kho Tiong Aik	Denis	Mon	14:00	2B	Ragusa	149
Khursheed	Asim	Mon	14:00	2B	Ragusa	149
Kilter	Jako	Thu	8:30	10C	Orlando	101
Kim	Chul-Hwan	Thu	10:30	11A	Ragusa	65
Kim	Doo-Ung	Thu	10:30	11A	Ragusa	65
Kim	Hak-Joo	Tue	10:30	5B	Bobara	192
Kim	J. H.	Tue	14:00	6A	Ragusa	207
Kim	Seong-IL	Tue	10:30	5B	Bobara	192
Kim	Soo-Nam	Tue	10:30	5B	Bobara	192
Kim	Yoonsang	Tue	16:00	7A	Ragusa	185
Kizilcay	Mustafa	Mon	14:00	2C	Orlando	156
Kizilcay	Mustafa	Mon	16:00	3B	Orlando	120
Koçar	Ilhan	Wed	8:30	8A	Ragusa	22
Koçar	Ilhan	Thu	10:30	11B	Orlando	160
Kochura	Danila	Mon	14:00	2B	Ragusa	44
Kočiš	Lubomír	Tue	8:30	4A	Ragusa	64
Kočiš	Lubomír	Tue	14:00	6A	Ragusa	193
Kontis	Eleftherios	Thu	8:30	10C	Orlando	26

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Koo	Kah Leong	Mon	10:30	1B	Ragusa	175
Koo	Kah Leong	Mon	10:30	1B	Ragusa	201
Krajtner	Danijel	Tue	8:30	4B	Bobara	71
Kräulich	Leyla	Mon	16:00	3B	Orlando	152
Kuczek	Tomasz	Mon	16:00	3A	Ragusa	39
Kuffel	Rick	Wed	10:30	9C	Orlando	225
Kurokawa	Sérgio	Mon	10:30	1C	Orlando	20
Kurokawa	Sérgio	Wed	8:30	8A	Ragusa	17
Kurokawa	Sérgio	Thu	8:30	10C	Orlando	38
Küsel	Bernard	Tue	10:30	5C	Orlando	59
Küsel	Bernard	Tue	10:30	5C	Orlando	85
Lafaia	I.	Wed	8:30	8A	Ragusa	22
Lafaia	I.	Wed	10:30	9B	Bobara	21
Lahaye	Domenico	Wed	8:30	8B	Bobara	29
Leborgne	Roberto C.	Wed	8:30	8B	Bobara	15
Lee	Heungjae	Tue	16:00	7A	Ragusa	185
Lee	K. M.	Tue	16:00	7A	Ragusa	185
Lee	Yih-Der	Thu	8:30	10B	Bobara	118
Legrand	Xavier	Wed	10:30	9B	Bobara	205
Leterme	Willem	Tue	16:00	7B	Orlando	194
Lima	Antonio Carlos	Wed	8:30	8B	Bobara	34
Lima	Antonio Carlos	Thu	8:30	10A	Ragusa	69
Lima	Antonio Carlos	Thu	10:30	11A	Ragusa	32
Liu	Lian	Tue	16:00	7A	Ragusa	40
Liu	Pang-Wei	Thu	8:30	10B	Bobara	118
Loose	Felipe	Mon	16:00	3B	Orlando	152
Lopes	Felipe	Tue	8:30	4C	Orlando	25
Lopes	Felipe	Tue	8:30	4C	Orlando	49
Lopes	Felipe	Tue	10:30	5C	Orlando	91
Lopes	Felipe	Tue	10:30	5C	Orlando	85
Lopes	Felipe	Tue	10:30	5C	Orlando	59
Lotfi	Abbas	Mon	10:30	1A	Bobara	98
Lotfi	Abbas	Mon	10:30	1A	Bobara	105
Lubicki	Piotr	Tue	8:30	4A	Ragusa	99
Machado	Eubis	Mon	16:00	3A	Ragusa	53
Mackow	Andrzej	Mon	16:00	3B	Orlando	120
Magalhães	Antonio P. C.	Thu	8:30	10A	Ragusa	69
Magrin	Fabiano	Wed	8:30	8C	Orlando	19
Mahseredjian	Jean	Tue	10:30	5B	Bobara	166
Mahseredjian	Jean	Wed	8:30	8A	Ragusa	22
Mahseredjian	Jean	Wed	10:30	9B	Bobara	21
Mahseredjian	Jean	Wed	10:30	9B	Bobara	205

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Mahseredjian	Jean	Thu	10:30	11A	Ragusa	114
Mahseredjian	Jean	Thu	10:30	11B	Orlando	160
Mai	Karl	Tue	16:00	7B	Orlando	204
Manuel	S.	Tue	14:00	6A	Ragusa	200
Marchesan	Adriano Cavalheiro	Mon	14:00	2A	Bobara	130
Marchesan	Adriano Cavalheiro	Mon	16:00	3B	Orlando	152
Marchesan	Gustavo	Mon	14:00	2A	Bobara	130
Marchesan	Gustavo	Mon	14:00	2A	Bobara	122
Marchesan	Gustavo	Mon	16:00	3B	Orlando	152
Marchesan	Gustavo	Tue	14:00	6B	Orlando	139
Marin	David	Mon	14:00	2C	Orlando	208
Marini	Paolo	Tue	8:30	4B	Bobara	3
Mariotto	Lenois	Mon	14:00	2A	Bobara	130
Mariotto	Lenois	Mon	14:00	2A	Bobara	122
Mariotto	Lenois	Mon	16:00	3B	Orlando	152
Marmolejo	Alejandro	Mon	16:00	3A	Ragusa	221
Martí	José Ramon	Wed	8:30	8B	Bobara	147
Martí	José Ramon	Thu	10:30	11B	Orlando	155
Martí	José Ramon	Thu	10:30	11B	Orlando	92
Martin	César	Wed	8:30	8B	Bobara	72
Martin	César	Thu	10:30	11A	Ragusa	70
Martinez	Enrique	Tue	8:30	4B	Bobara	96
Martinich	T.	Tue	14:00	6A	Ragusa	200
Marx	Stephen	Tue	16:00	7B	Orlando	182
Mayer	Peter	Tue	16:00	7B	Orlando	204
McLaren	Peter	Wed	8:30	8C	Orlando	76
Melo	Kleber	Tue	10:30	5C	Orlando	85
Melo	Yonatha	Tue	10:30	5C	Orlando	91
Menshov	A.	Wed	10:30	9A	Ragusa	106
Mesić	Miroslav	Mon	14:00	2C	Orlando	208
Mesić	Miroslav	Mon	16:00	3B	Orlando	196
Mestas	Patricia	Tue	10:30	5A	Ragusa	178
Mihalic	Dragutin	Mon	14:00	2B	Ragusa	12
Mihalic	Rafael	Tue	8:30	4B	Bobara	24
Mijoć	Mate	Mon	16:00	3B	Orlando	196
Milardić	Viktor	Mon	10:30	1C	Orlando	179
Milardić	Viktor	Mon	14:00	2C	Orlando	107
Milešević	Boško	Mon	10:30	1B	Ragusa	219
Milošević	Jezdimir	Thu	8:30	10B	Bobara	198
Mirzahosseini	Ramin	Wed	8:30	8A	Ragusa	75
Miyamoto	Y.	Wed	10:30	9B	Bobara	21
Monroy Garzon	Omar Enrique	Tue	10:30	5B	Bobara	142

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Montano Mejia	Felix Humberto	Tue	10:30	5B	Bobara	142
Monteiro	Jose Humberto A.	Mon	10:30	1C	Orlando	20
Montplaisir-Gonçalves	Sara	Wed	10:30	9B	Bobara	205
Moore	Fabian	Mon	14:00	2B	Ragusa	149
Moraes	Sérgio	Tue	8:30	4C	Orlando	49
Moreira	Fernando Augusto	Tue	10:30	5A	Ragusa	151
Moreira	Fernando Augusto	Tue	16:00	7B	Orlando	202
Mork	Bruce A.	Mon	10:30	1A	Bobara	98
Mork	Bruce A.	Tue	16:00	7A	Ragusa	150
Moroz	Yuriy I.	Mon	10:30	1A	Bobara	98
Moscrop	Jeffrey	Tue	8:30	4A	Ragusa	58
Mudunkotuwa	Kumara	Thu	8:30	10B	Bobara	228
Murta Vale	Maria Helena	Mon	14:00	2C	Orlando	216
Muthumuni	Dharshana	Thu	8:30	10B	Bobara	228
Mynam	Mangapathirao	Tue	16:00	7B	Orlando	182
Nadein	Valery	Mon	16:00	3A	Ragusa	45
Nagaoka	N.	Wed	10:30	9B	Bobara	21
Nagpal	Mukesh	Tue	14:00	6A	Ragusa	188
Nagpal	Mukesh	Tue	14:00	6A	Ragusa	200
Nakajima	Takayuki	Tue	16:00	7A	Ragusa	35
Naredo	José Luis	Wed	10:30	9A	Ragusa	124
Naredo	José Luis	Thu	8:30	10A	Ragusa	233
Nascimento	Jamile	Tue	8:30	4C	Orlando	49
Naud	A.	Wed	8:30	8A	Ragusa	22
Naumkin	Ivan	Mon	14:00	2B	Ragusa	44
Netshiongolwe	Fulufhelo Andrew	Mon	10:30	1A	Bobara	56
Neumann	Claus	Mon	14:00	2C	Orlando	156
Neves	Washington L. A.	Mon	16:00	3A	Ragusa	53
Neves	Washington L. A.	Tue	8:30	4C	Orlando	25
Neves	Washington L. A.	Tue	8:30	4C	Orlando	49
Neves	Washington L. A.	Tue	10:30	5A	Ragusa	108
Neves	Washington L. A.	Tue	10:30	5C	Orlando	94
Neves	Washington L. A.	Tue	10:30	5C	Orlando	91
Nguefeu	Samuel	Thu	10:30	11A	Ragusa	114
Noda	Taku	Tue	10:30	5B	Bobara	102
Noda	Taku	Tue	16:00	7A	Ragusa	35
Noda	Taku	Thu	8:30	10B	Bobara	103
Noh	Chul-Ho	Thu	10:30	11A	Ragusa	65
Nordstrom	J. E.	Wed	10:30	9A	Ragusa	106
Nouri	H.	Tue	14:00	6A	Ragusa	207
Oh	Yun-Sik	Thu	10:30	11A	Ragusa	65
Okhmatovski	V.	Wed	10:30	9A	Ragusa	106

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Oliveira	Sebastião Ercules	Thu	10:30	11A	Ragusa	32
Oprea	Liliana	Wed	8:30	8A	Ragusa	54
Ouellet	Eric	Thu	10:30	11B	Orlando	168
Ouellette	Dean	Wed	8:30	8C	Orlando	76
Pack	Stephan	Mon	14:00	2C	Orlando	66
Paladian	Françoise	Mon	10:30	1A	Bobara	67
Palazzo	Mirko	Mon	16:00	3A	Ragusa	221
Paolone	Mario	Wed	10:30	9C	Orlando	186
Papadopoulos	Nikolaos	Wed	8:30	8A	Ragusa	54
Papadopoulos	Theofilos	Wed	8:30	8A	Ragusa	46
Papadopoulos	Theofilos	Thu	8:30	10C	Orlando	26
Papagiannis	Grigoris	Wed	8:30	8A	Ragusa	46
Papagiannis	Grigoris	Thu	8:30	10C	Orlando	26
Park	Chulwon	Tue	16:00	7A	Ragusa	185
Park	In Kwon	Wed	10:30	9C	Orlando	171
Park	Y. Y.	Tue	16:00	7A	Ragusa	185
Parmar	Shreya	Tue	14:00	6B	Orlando	127
Passos	Luis	Tue	14:00	6B	Orlando	176
Patel	Utkarsh	Wed	10:30	9A	Ragusa	121
Pavić	Ivica	Mon	14:00	2C	Orlando	107
Peixoto Mendes	A. M.	Tue	14:00	6A	Ragusa	199
Peng	Jinsheng	Mon	14:00	2B	Ragusa	149
Pereira	Fagner	Mon	14:00	2B	Ragusa	109
Pereira Filho	Clever	Tue	8:30	4B	Bobara	33
Perera	Sarath	Tue	8:30	4A	Ragusa	58
Peres de Morais	Adriano	Mon	14:00	2A	Bobara	130
Petesch	David	Thu	10:30	11A	Ragusa	70
Piasecki	Wojciech	Mon	16:00	3A	Ragusa	39
Pielahn	Mathias	Thu	8:30	10B	Bobara	228
Pierz	Piotr	Tue	8:30	4C	Orlando	48
Pierz	Piotr	Tue	8:30	4C	Orlando	47
Piliškić	Silvia	Mon	16:00	3B	Orlando	196
Pineros Saldarriaga	Juan Fernando	Tue	10:30	5B	Bobara	142
Pineros Saldarriaga	Juan Fernando	Tue	10:30	5B	Bobara	148
Pinto	Andre Jinno G.	Mon	10:30	1C	Orlando	20
Pirooz Azad	Sahar	Tue	16:00	7B	Orlando	194
Pissolato	Jose	Mon	10:30	1C	Orlando	20
Podporkin	Georgy	Mon	10:30	1C	Orlando	11
Popov	Marjan	Mon	10:30	1A	Bobara	27
Popov	Marjan	Mon	16:00	3A	Ragusa	221
Popov	Marjan	Tue	14:00	6B	Orlando	127
Popov	Marjan	Tue	16:00	7A	Ragusa	40

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Potkrajac	Dejan	Mon	16:00	3B	Orlando	120
Preston	Gary	Tue	14:00	6B	Orlando	127
Rachidi	Farhad	Wed	10:30	9C	Orlando	186
Rajapakse	Athula	Tue	14:00	6B	Orlando	133
Ramos-Leaños	Octavio	Wed	10:30	9A	Ragusa	124
Ranaweera	Aruna	Thu	8:30	10B	Bobara	228
Rasmussen	Tonny	Thu	10:30	11A	Ragusa	174
Razzaghi	Reza	Wed	10:30	9C	Orlando	186
Rebizant	Waldemar	Tue	16:00	7B	Orlando	232
Reis	Raphael	Tue	8:30	4C	Orlando	49
Reis	Raphael	Tue	8:30	4C	Orlando	25
Ribeiro Ferreira	Luis Fernando	Wed	8:30	8B	Bobara	147
Rietveld	Gert	Tue	14:00	6B	Orlando	127
Rivera Pineda	Julia Teresa	Thu	8:30	10C	Orlando	38
Rodriguez Macana	Danilo	Tue	10:30	5B	Bobara	148
Rosolowski	Eugeniusz	Tue	8:30	4C	Orlando	47
Rosolowski	Eugeniusz	Tue	8:30	4C	Orlando	48
Rossato Muraro	Matias	Tue	14:00	6B	Orlando	139
Rudez	Urban	Tue	8:30	4B	Bobara	24
Saad	Hani	Wed	8:30	8C	Orlando	88
Saad	Hani	Thu	10:30	11A	Ragusa	114
Saad	Omar	Wed	10:30	9B	Bobara	205
Saad	Omar	Thu	10:30	11B	Orlando	168
Sadović	Salih	Mon	14:00	2C	Orlando	66
Sadović	Salih	Mon	14:00	2C	Orlando	208
Sadović	Tarik	Mon	14:00	2C	Orlando	208
Saha	Murari Mohan	Tue	8:30	4C	Orlando	48
Saha	Murari Mohan	Tue	8:30	4C	Orlando	47
Salas Diaz	Jose Maria	Tue	10:30	5B	Bobara	142
Saldaña	Claudio	Tue	8:30	4C	Orlando	36
Salvador	João Pedro	Wed	8:30	8B	Bobara	34
Sanca Sanca	Huilman	Thu	8:30	10B	Bobara	57
Santiago Ortega	Javier Arturo	Tue	10:30	5A	Ragusa	141
Santos	Ericson Norberto Alves	Wed	10:30	9C	Orlando	161
Santos	Wellinsílvio	Mon	14:00	2B	Ragusa	109
Sarajčev	Petar	Mon	16:00	3B	Orlando	43
Sarin	Leonid	Mon	14:00	2B	Ragusa	44
Schiel	Ludwig	Tue	16:00	7B	Orlando	232
Sena	Celia	Tue	8:30	4C	Orlando	36
Sereci	Patrik	Mon	16:00	3B	Orlando	43
Shahooei	Zagros	Tue	16:00	7A	Ragusa	150
Shirkovets	Andrey	Mon	14:00	2B	Ragusa	28

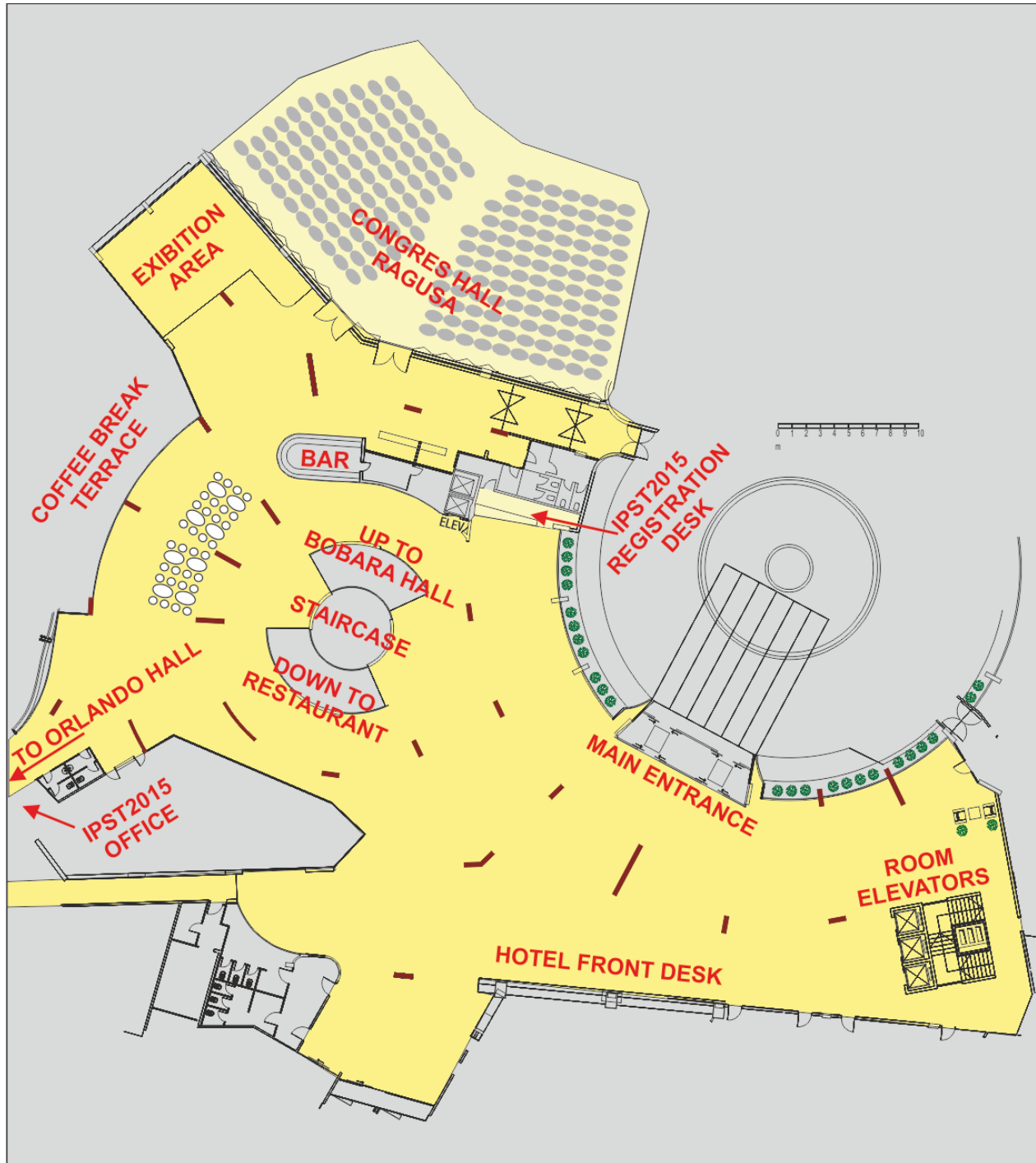


Last Name	First Name	Day	Time	Session	Hall	Paper ID
Shirkovets	Andrey	Mon	16:00	3A	Ragusa	45
Silva	Eduardo	Tue	10:30	5A	Ragusa	151
Silva	Kleber	Tue	10:30	5C	Orlando	59
Silveira	Fernando Henrique	Mon	14:00	2C	Orlando	216
Simunovic	Srdjan	Wed	10:30	9B	Bobara	73
Skendzic	Veselin	Tue	16:00	7B	Orlando	182
Smith	Kenneth	Mon	14:00	2B	Ragusa	149
Soares	Tiago	Thu	10:30	11A	Ragusa	32
Solak	Krzysztof	Tue	16:00	7B	Orlando	232
Souza	Benemar	Mon	14:00	2B	Ragusa	109
Souza	João Ricardo	Tue	8:30	4B	Bobara	33
Souza	Samantha	Tue	16:00	7B	Orlando	202
Souza Júnior	Francisco	Thu	8:30	10B	Bobara	57
Spurny	Petr	Tue	8:30	4A	Ragusa	64
Sreekanth	Pannala	Wed	10:30	9B	Bobara	73
Starke	Michael	Wed	10:30	9B	Bobara	73
Strunz	Kai	Wed	8:30	8B	Bobara	34
Sung	Byung-Chul	Tue	10:30	5B	Bobara	192
Švancar	Martin	Tue	8:30	4A	Ragusa	64
Švancar	Martin	Tue	14:00	6A	Ragusa	193
Takizawa	Hiroshi	Tue	16:00	7A	Ragusa	35
Tanabe	K.	Wed	10:30	9B	Bobara	21
Tang	Wen-Jun	Tue	8:30	4A	Ragusa	99
Tavares	Maria Cristina	Tue	10:30	5A	Ragusa	132
Tavares	Maria Cristina	Tue	10:30	5A	Ragusa	141
Tavares	Maria Cristina	Tue	10:30	5A	Ragusa	151
Tavares	Maria Cristina	Tue	10:30	5A	Ragusa	178
Tavares	Maria Cristina	Tue	14:00	6A	Ragusa	199
Tavares	Maria Cristina	Tue	14:00	6B	Orlando	126
Tavares	Maria Cristina	Wed	8:30	8C	Orlando	19
Tavares	Maria Cristina	Wed	8:30	8C	Orlando	18
Tavighi	Arash	Thu	10:30	11B	Orlando	92
Telegin	Andrey	Mon	16:00	3A	Ragusa	45
Telló	Marcos	Wed	8:30	8B	Bobara	15
Terzija	Vladimir	Mon	10:30	1A	Bobara	27
Terzija	Vladimir	Tue	14:00	6B	Orlando	127
Theocharis	Andreas	Mon	10:30	1A	Bobara	27
Thomas	Romain	Wed	8:30	8B	Bobara	29
Tokić	Amir	Mon	10:30	1C	Orlando	179
Tokić	Amir	Mon	14:00	2C	Orlando	107
Tomohiro	Nagashima	Thu	8:30	10B	Bobara	103
Triverio	Piero	Wed	10:30	9A	Ragusa	121

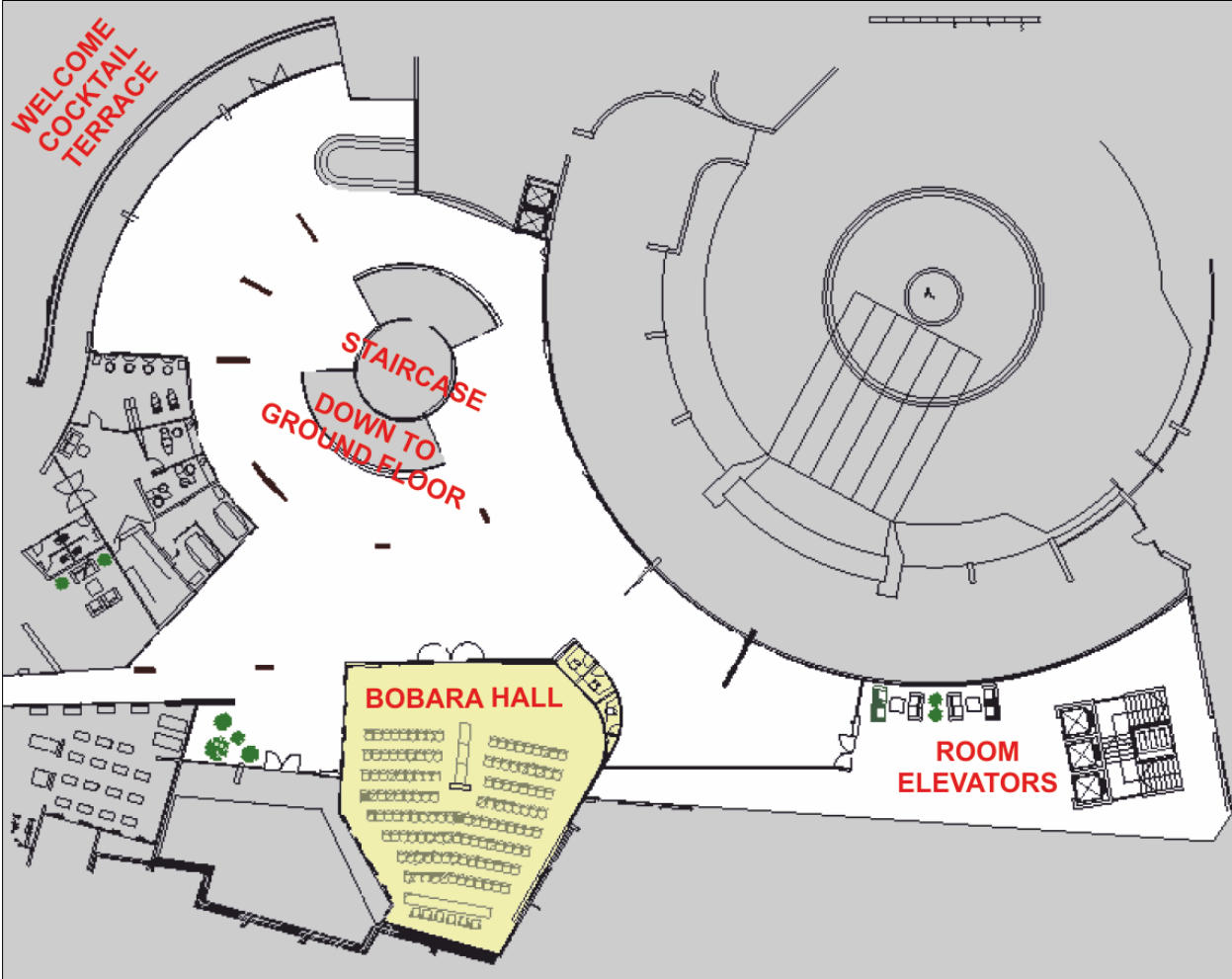
Last Name	First Name	Day	Time	Session	Hall	Paper ID
Tronchoni	Alex B.	Wed	8:30	8B	Bobara	15
Tshibungu	Tshibain	Thu	10:30	11B	Orlando	8
Tsolaridis	Georgios	Wed	8:30	8A	Ragusa	46
Tuttelberg	Kaur	Thu	8:30	10C	Orlando	101
Uglešić	Ivo	Mon	10:30	1A	Bobara	67
Uglešić	Ivo	Mon	10:30	1B	Ragusa	219
Uglešić	Ivo	Mon	10:30	1C	Orlando	179
Uglešić	Ivo	Mon	14:00	2B	Ragusa	12
Uglešić	Ivo	Mon	16:00	3B	Orlando	196
Ullrich	Stefan	Wed	8:30	8A	Ragusa	54
Uosef	Resk	Thu	10:30	11B	Orlando	160
Uribe	Felipe	Thu	8:30	10A	Ragusa	233
van Coller	John Michael	Mon	10:30	1A	Bobara	56
van Coller	John Michael	Mon	16:00	3A	Ragusa	31
van der Meijden	Mart	Tue	16:00	7A	Ragusa	40
van der Sluis	Lou	Wed	8:30	8B	Bobara	29
Van Hertem	Dirk	Tue	16:00	7B	Orlando	194
Vasilj	Josip	Mon	16:00	3B	Orlando	43
Vega	Martín Gerardo	Wed	10:30	9A	Ragusa	124
Velez Vasquez	Jorge Alberto	Tue	10:30	5B	Bobara	142
Velez Vasquez	Jorge Alberto	Tue	10:30	5B	Bobara	148
Vernay	Yannick	Thu	10:30	11A	Ragusa	70
Vinet	Dominic	Thu	10:30	11B	Orlando	168
Visacro	Silverio	Mon	14:00	2C	Orlando	216
Vodopija	Stipe	Thu	8:30	10A	Ragusa	203
Vuik	Kees	Wed	8:30	8B	Bobara	29
Vujatovic	Davor	Mon	10:30	1B	Ragusa	175
Wang	Connie	Tue	8:30	4A	Ragusa	99
Wang	Steve	Tue	8:30	4A	Ragusa	99
Wasserrab	Andreas	Wed	10:30	9A	Ragusa	111
Watanabe	Itaru	Thu	8:30	10B	Bobara	103
Woodford	Dennis	Wed	8:30	8A	Ragusa	54
Xemard	Alain	Mon	10:30	1A	Bobara	67
Xemard	Alain	Mon	14:00	2C	Orlando	208
Yamamoto	Y.	Wed	8:30	8A	Ragusa	22
Yang	Hong-Tzer	Tue	8:30	4A	Ragusa	99
Yanushkevich	Alexander	Thu	8:30	10A	Ragusa	74
Ye	Yu-Ting	Thu	8:30	10B	Bobara	118
Yonezawa	Rikido	Tue	10:30	5B	Bobara	102
Zgainski	François-Xavier	Thu	8:30	10C	Orlando	104
Zhang	Yi	Wed	8:30	8C	Orlando	76
Žiger	Igor	Tue	8:30	4B	Bobara	71

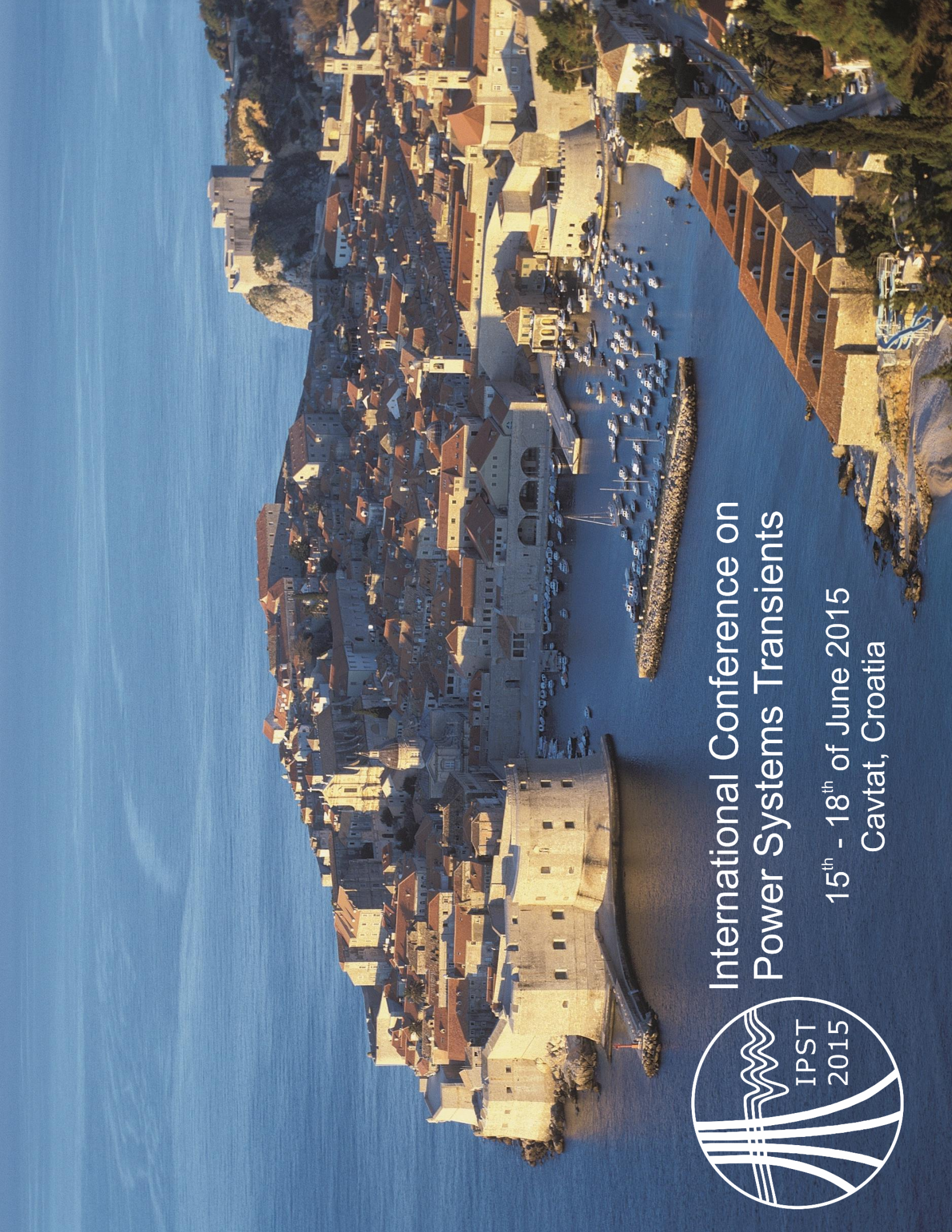
Last Name	First Name	Day	Time	Session	Hall	Paper ID
Zimmer	Henning	Tue	16:00	7A	Ragusa	222
Zinck	Matthieu	Mon	10:30	1C	Orlando	195
Zirka	Sergey E.	Mon	10:30	1A	Bobara	98
Zlatunić	Ivo	Thu	8:30	10A	Ragusa	203
Zouch	Bilel	Thu	8:30	10C	Orlando	104
Zuniga	Pável	Thu	8:30	10A	Ragusa	233
Župan	Alan	Mon	14:00	2B	Ragusa	12

# Hotel Croatia, Cavtat – Ground floor



# Hotel Croatia, Cavtat – Upper floor





International Conference on  
Power Systems Transients

15<sup>th</sup> - 18<sup>th</sup> of June 2015  
Cavtat, Croatia