



International Conference on Power Systems Transients

16th – 20th June 2019

Perpignan, France



Hosted by



Le réseau
de transport
d'électricité

Platinum sponsors



Gold Sponsors



Silver Sponsor



Welcome Message

Dear Colleagues and Friends,

It is our great pleasure to welcome you to the International Conference on Power Systems Transients (IPST 2019) in Perpignan, France from June 16th to 20th, 2019.

The beginning of the conference was European Conference on Power Systems Transients-EPST 1993 organized by Professor Maria Teresa Correia de Barros in Lisbon, Portugal. Thanks to her positive response, the conference has been extended as International Conference on Power Systems Transients (IPST). The conference focuses on the promotion of Power Systems Transients study by offering a common platform of scientific and technical excellence. As 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 electric energy systems.

153 papers were submitted to the IPST 2019 from all over the world. Through careful review of the Technical Committee chaired by Prof Maria Cristina Tavares and Prof Toshihisa Funabashi, 109 papers will be presented at IPST 2019. The papers to present covers all topics related to the study of transient phenomena in electric energy systems.

We would like to express our gratitude to the sponsors of the IPST 2019, PSCAD, Opal-RT, EMTP, SIEMENS and RTE-International which have supported and contributed to the conference. In addition, our special thanks go to all the authors of the conference for their valuable articles as well as committee members for their cooperation. Without their contribution, the conference would never be successful.

We do hope that you will enjoy Perpignan which was the capital of the Kingdoms of Mallorca during 13 century. Moreover, Perpignan is the last major French Mediterranean city before Spain, it is mark by a strong Catalan identity. During the period of IPST 2019, we hope you will enjoy the cultural flavor as well as discussing and exchanging ideas with your colleagues.

Enjoy the IPST 2019 and See you in Perpignan!

Sébastien Dennetière
Local Organizing Committee Chair, IPST 2019

IPST Steering Committee

Co-Chairpersons: Ametani, A. (Japan), Correia de Barros, M. T. (Portugal)

Committee Members: Iravani, R. (Canada), Kim, C. H. (Korea), Kizilcay, M. (Germany), Mahseredjian, J. (Canada), Marti, J. R. (Canada), Naredo, J. L. (Mexico), Neves, W. L. A. (Brazil), Nucci, C. A. (Italy), Xémard, A. (France)

Secretary: Noda, T. (Japan)

Honorary Chairperson: Dommel, H. W. (Canada)

Honorary Member: Carneiro Junior, S. (Brazil), Grebe, T. (USA), Prikler, L. (Hungary)

IPST 2019 Technical Committee

Co-Chairperson: Funabashi, T. (Japan), Tavares, M. C. (Brazil)

Committee Members: Ametani, A. (Japan), Correia de Barros, M. T. (Portugal), Emin, Z. (UK), Gomez, P. (USA), Høidalen, H. K. (Norway), Iravani, R. (Canada), Johnson, B. (USA), Kizilcay, M. (Germany), Mahseredjian, J. (Canada), Naredo, L. (Mexico), Neves, W. L. A. (Brazil), Noda, T. (Japan), Paolone, M. (Switzerland), Papagiannis, G. S. (Greece), Popov, M. (Netherlands), Rajapakse, A. (Canada), Uglesic, I. (Croatia), Watson, N. (New Zealand), Xémard, A. (France), Zhang, Y. (Canada)

IPST 2019 Local Organizing Committee

Chairperson: Dennetière, S. (France)

Committee Members: Bruned, B. (France), Clerc, B. (France), Landier, D. (France), Martin, C. (France), Michel, J. (France), Piraud, Q. (France), Rault, P. (France), Saad, H. (France), Vernay, Y. (France)

Secretary: Milly, J. (France), Masson, T. (France)

IPST 2019 General Information

Opening hours at the Congress center:

Sunday, June 16 th	13:00 – 18:00
Monday, June 17 th	08:00 – 18:00
Tuesday, June 18 th	08:00 – 18:00
Wednesday, June 19 th	08:00 – 13:00
Thursday, June 20 th	08:00 – 17:00

Campanile hotel desk office:

Saturday, June 15 th	10:00 – 18:00
Sunday, June 16 th	09:00 – 18:00

Name Badge

The admission to all conference sessions is done 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 which necessitate program changes.

Internet Access: You will have a personal password that will be given to you upon your arrival

Conference venue & Accommodation

1. Conference venue : IPST 2019 conference will be held at the “Conference Center” of Perpignan - Place Armand Lanoux, 66000 Perpignan, France
--

2. Accommodation

① *Campanile Perpignan* - 18 Boulevard Jean Bourrat, 66000 Perpignan, France.

Telephone number : + 33 4 68 61 42 10

② *Mercure hotel Perpignan Centre* - 5-5 bis cours François Palmarole, 66000 Perpignan, France.

Telephone number : +33 4 68 35 67 66

③ *Hôtel suite Novotel Perpignan Méditerranée* - Espace Méditerranée, 34 avenue General Leclerc, 66000 Perpignan, France.

Telephone number : +33 4 68 64 02 22

④ *Best Western Windsor Perpignan* - 8 Boulevard Thomas Wilson, 66000 Perpignan, France

Telephone number: +33 4 68 59 25 94

⑤ *Hôtel Ibis Perpignan Centre* – 16 cour Lazare Escarguel, 66000 Perpignan, France

Telephone number : +33 4 68 35 62 62



3. How to get to accommodations

» From Perpignan airport

- A. Shuttle buses are booked to IPST attendees to bring you to the hotels aforementioned on Saturday 15th and Sunday 16th from 9:45am to 9:45pm.
- B. You can also use the taxis that will be at the exit of the airport. The fare is usually around 23€ (~26 USD) to go Perpignan downtown.

Airport:



The airport is not very large, so you have just to follow the billboards.

>> **From train station**

- A. **Shuttle buses are booked to IPST attendees** to bring you to the hotels
- B. You can use the taxis that will be at the exit of the train station. The fare is usually around 15€ (17 USD) to go to the Congress Center.

Train station:

When you arrive at Perpignan train station 2 exits are possible: Exit East to downtown and Exit West. The IPST Shuttle buses will be located at Exit East (only on Saturday 15th (from 11am to 9:45pm) and Sunday 16th (from 11am to 9:45pm)).



Exit East



Exit West

In the train station, you have to follow the signs which indicates the city-center (**Exit East**)



Currency

The unit of French currency is the Euro (€). Coin denominations are 1€, 2€. Banknotes are 5€, 10€, 20€, 50€, 100€, 200€, 500€.

Climate

The average temperature in Perpignan in June is warm at 21 °C (69.8 °F). Afternoons can be hot with average high temperatures reaching 26 °C (78.8 °F). The weather in June is somewhat parched with sporadic rain. A paltry 28.3mm (1.1in) of liquid is laid down during an average of 7 days. The skies in Perpignan are quite sunny having on average a respectable 8:44 of bright sunlight daily. We advise you to take a cap and sunscreen.

Childcare

Childcare services are not offered by the conference.

Emergency Telephone Numbers

Emergency – Police (17), Ambulance (15) and Fire (18). This number can be reached any time, day or night, regardless of where you are in France

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. 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 conference venue.

Parking

Parking services are not offered by the conference. Therefore, we ask that participants take public transportation to and from the conference if possible.

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, 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: ipst2019technicalchair@gmail.com. Presentation templates for IPST2019 can be downloaded on the website. 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., 52.ppt/52.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 1:15pm-1:30pm. The authors are kindly requested to proceed to the session room at least 15 minutes before the session starts.

IPST 2019 Social Events

Welcome Reception

Sunday, June 16, 18:00 – 20:00

Conference Center (Panoramic space, 7st Floor)
Reception with snacks and drinks



The IPST 2019 Welcome Reception will be held in **the Panoramic Space of Conference Center**. Located on the 7th floor, with breathtaking views of the historic center of Perpignan. Its terrace overlooking the park is a charming asset.

Excursion

Wednesday, June 19, 13:45 – 18:00

Dom Brial, Vineyard and wine tasting
Buses will depart from conference center.



Dom Brial was created in Baixas in 1923 as a response to the major viticulture crisis that France was going through. A handful of winegrowers joined together around a common conviction: “Together, we stand strong”. It was in this spirit of solidarity and excellence that this winery was created. The cooperative expanded very rapidly; this cornerstone of solidarity proved to be very productive for each and every vineyard and their reputation quickly spread beyond Roussillon. Their collective of winegrowers clearly demonstrated the strength of this solidarity when the name Dom Brial was selected in 1985 as a mark of recognition of their best wines. DOM BRIAL, a Dominican priest born in Roussillon, bequeathed a perpetual annuity to the communes of Baixas and Pia so that they could each maintain a school for the poorest children in the area. The Baixas winegrowers, the cream of the crop in Catalan viticulture, knew how to prosper and make their vineyard and production tool highly successful. They were also able to garner interest and train with their 3 neighbouring cousins, who shared their vision and business strategy. Today Dom Brial represents 247 winegrowers who are passionately committed to cultivating 2,100 hectares of vineyard. A dynamic team supported by 37 employees ensures the rigorous management and economic development of their winery.

Technical Tour

Wednesday, June 19, 13:45 – 18:00

Attendees need to select 1 technical tour among the 2 proposed options presented below

Baixas HVDC Substation (INELFE project)

Buses will depart from conference center.



Le réseau
de transport
d'électricité



The INELFE interconnection is composed of a double underground link (2 x 1,000 MW at ± 320 kV in DC) which connects the converter stations of Baixas (France) and of Santa Llogaia (Spain). It is, to date, the highest rated VSC link in the world at 2*1,000 MW.

The line has a total length of 65 km, and in order to cross the border through the Pyrenees mountain range, a tunnel of 8.3 km in length was built

The total cost of the project is about 700 M€ and shared equally by French and Spanish TSOs. RTE and REE have been organized into a joint venture called INELFE in order to carry out the project.

VSC technology retained for this project is MMC (Modular Multilevel Converter). The key element of MMC technology is the use of power capacitors, integrated within the converter modules. The storage capacitors is to serve as an intermediate energy storage which realizes per power cycle the balance between the constant DC power flow and the oscillating AC power flow.



Ensemble Eolien Catalan

Buses will depart from conference center.



With a power of 96 MW, this site located in the Pyrénées-Orientales is able to provide the equivalent of the consumption of a city like Perpignan.

The wind turbines in the Ensemble Eolien Catalan wind project are fitted with “stealth” blades – a technical innovation introduced in partnership with turbine manufacturers so that they do not interfere with the Météo France weather radar located nearby.

Through this project, EDF Renewables has helped to create local jobs, combat social exclusion and undertaken to meet high-quality environmental standards.

Banquet Dinner

Tuesday, June 18, 19:00 – 23:00

Mas Rieres



Facing the Canigou Mountain, this former 19th century vault is a domain of character in a privileged site in the quiet of the countryside and a surrounding vineyard. The domain combines the charm of old stones with comfort and modern facilities.

Accompanying Person Program

The Accompanying person registration fee includes:

- Welcome reception
- Gala dinner
- Touristic tours

For accompanying person the following sightseeing tours are proposed:

1. Visit of the Collioure's Royal Castle (Monday: 14:00pm ~ 17:00pm)
2. Visit of Quéribus Castle and Cucugnan Village (Tuesday 14:00pm ~ 17:00pm)

More details on the tours are available on www.ipst2019.com, section "Accompanying Program"

IPST 2019 Final Schedule

	Sunday 16th	Monday 17th	Tuesday 18th	Wednesday 19th	Thursday 20th
		Authors/Chair Meeting 1A, 1B (8:00 – 8:30)	Authors/Chair Meeting 4A, 4B, 5A, 5B (8:00 – 8:30)	Authors/Chair Meeting 8A, 8B, 9A, 9B (8:00 – 8:30)	Authors/Chair Meeting 10A, 10B, 11A, 11B (8:00 – 8:30)
Morning Session 1		Opening ceremony Keynote Session (8:30 – 10:15)	4A - Switching and Fault Transients III (8:30 - 10:15)	8A - Solution Methods and Algorithms I (08:30 - 10:00)	10A - Switching and Fault Transients IV (8:30 – 09:50)
			4B - Power Electronics, FACTS, HVDC I (8:30 - 10:15)	8B - Inrush Currents and Ferroresonance (08:30 - 10:00)	10B - System Protection III (8:30 - 10:15)
		Coffee break (10:15 - 10:30)	Coffee break (10:15 - 10:30)	Coffee break (10:00 - 10:15)	Coffee break (10:15 - 10:30)
Morning Session 2		1A - Transmission Lines and Cables I (10:30 - 12:30)	5A - Lightning Surges and Insulation Coordination (10:30 - 12:30)	9A - Solution Methods and Algorithms II (10:15 - 11:35)	11A - Transmission Lines and Cables II (10:30-12:30)
		1B - Real-Time Simulators (10:30 - 12:30)	5B - Multi-Rate Simulations (10:30 - 12:30)	9B - Harmonics and Power Quality (10:15 - 11:35)	11B - Systems Dynamics (10:30-12:30)
		Lunch (12:30 – 13:30)	Lunch (12:30 – 13:30)	Presentation of technical tours (11:45 – 12:45) Room : JC Rolland	Lunch (12:30 – 13:45)
		Authors/Chair Meeting 2A, 2B, 3A, 3B (13:30 - 13:45)	Authors/Chair Meeting 6A, 6B, 7A, 7B (13:30 - 13:45)	Lunch (packaged) (12:45 - 14:00)	
Afternoon Session 1	13:30 – 17:30 Workshop on Interaction Assessment of VSC-HVDC links using EMT-type tools (<i>Pre-conference workshop organized by RTE</i>)	2A - Switching and Fault Transients I (13:45 - 15:45)	6A - Fault Transients & Temporary Overvoltages (13:45 - 15:45)	Technical & Touristic Tour (14:00 - 18:00)	Closing Ceremony (13:45 - 15:30) Room : Amphithéâtre Charles Trenet
2B - System Protection I (13:45 - 15:45)		6B - System Protection II (13:45 - 15:45)			
Coffee break (15:45-16:00)		Coffee break (15:45-16:00)			
3A - Transformers and Reactors (16:00 - 18:00)		7A - Renewable Energy Sources (16:00 - 17:20)			
3B - Switching and Fault Transients II (16:00 - 18:00)		7B - Power Electronics, FACTS, HVDC II (16:00 - 17:20)			
	Welcome Reception (from 18:00)		Banquet Dinner (from 18:30)		

IPST 2019 Paper Sessions

Day	Time	Session	Room	Session Title	Session Chair	Paper ID	
Sun, 16th	18:00-20:00			Welcome Reception		-	
Mon, 17th	8:30 - 10:15	-	JC Rolland	Opening Ceremony and Keynote Session		-	
	10:30 - 12:30	1A	JC Rolland	Transmission Lines and Cables I	Fernando Moreira	4, 21, 57, 130, 151	
		1B	11		Real-Time Simulators	Yi Zhang	35, 74, 73, 76, 112
	13:45 - 15:45	2A	JC Rolland		Switching and Fault Transients I	Forooz Ghassemi	87, 15, 86, 69, 79, 92
		2B	11		System Protection I	Athula Rajapakse	58, 148, 59, 136, 118, 46
	16:00 - 18:00	3A	JC Rolland		Transformers and Reactors	Washington Neves	33, 56, 129, 64, 41, 61
3B		11		Switching and Fault Transients II	Grigoris Papagiannis	120, 145, 5, 116, 111, 1	
Tue, 18th	8:30 - 10:15	4A	JC Rolland	Switching and Fault Transients III	Ivo Uglešić	152, 127, 11, 45, 95	
		4B	11	Power Electronics, FACTS, HVDC I	Ani Gole	25, 54, 6, 122, 85	
	10:30 - 12:30	5A	JC Rolland		Lightning Surges and Insulation Coordination	Alain Xémard	51, 143, 60, 101, 97, 66
		5B	11		Multi-Rate simulations	Shaahin Filizadeh	77, 65, 149, 82, 14, 121
	13:45 - 15:45	6A	JC Rolland		Fault Transients & Temporary Overvoltages	Filipe Faria da Silva	98, 106, 30, 36, 9
		6B	11		System Protection II	Marjan Popov	134, 18, 12, 89, 144, 138
	16:00 - 17:20	7A	JC Rolland		Renewable Energy Sources	Athula Rajapakse	70, 72, 53
7B		11		Power Electronics, FACTS, HVDC II	Shaahin Filizadeh	153, 114, 39, 47	
Wed, 19th	8:30 - 10:00	8A	JC Rolland	Solution Methods and Algorithms I	Jeewantha de Silva	78, 8, 109, 38	
		8B	11	Inrush Currents and Ferroresonance	Taku Noda	26, 80, 91	
	10:15 - 11:35	9A	JC Rolland		Solution Methods and Algorithms II	Jose Marti	10, 117, 100, 115
		9B	11		Harmonics & Power Quality	Maria Teresa de Barros	96, 44, 68
Thu, 20th	8:30 - 10:15	10A	Amphi. C. Trenet	Switching and Fault Transients IV	Antonio Lima	49, 137, 119, 32	
		10B	11		System Protection III	Chul-Hwan Kim	22, 24, 28, 90, 29
	10:30 - 12:30	11A	Amphi. C. Trenet		Transmission Lines and Cables II	Akihiro Ametani	2, 63, 43, 81, 31, 142
		11B	11		Systems Dynamics	Jean Mahseredjian	50, 124, 40, 88, 102, 37
	13:45 - 15:30		Amphi. C. Trenet	Closing Ceremony		-	

Technical Sessions

- Room JC Rolland – Session 1A to 9A
- Room 11 – Session 1B to 11B
- Amphithéâtre Charles Trenet– Session 10A and 11A

Authors/Chair Meeting Schedule

	Authors/Chair Meeting	Date	Time	Room
1A	Fernando Moreira	Monday, 17th June 2019	8:00 - 8:30	JC Rolland
1B	Yi Zhang	Monday, 17th June 2019	8:00 - 8:30	11
2A	Forooz Ghassemi	Monday, 17th June 2019	13:30 - 13:45	JC Rolland
2B	Athula Rajapakse	Monday, 17th June 2019	13:30 - 13:45	11
3A	Washington Neves	Monday, 17th June 2019	13:30 - 13:45	JC Rolland
3B	Grigoris Papagiannis	Monday, 17th June 2019	13:30 - 13:45	11
4A	Ivo Uglešić	Tuesday, 18th June 2019	8:00 - 8:30	JC Rolland
4B	Ani Gole	Tuesday, 18th June 2019	8:00 - 8:30	11
5A	Alain Xémard	Tuesday, 18th June 2019	8:00 - 8:30	JC Rolland
5B	Shaahin Filizadeh	Tuesday, 18th June 2019	8:00 - 8:30	11
6A	Filipe Faria da Silva	Tuesday, 18th June 2019	13:30 - 13:45	JC Rolland
6B	Marjan Popov	Tuesday, 18th June 2019	13:30 - 13:45	11
7A	Athula Rajapakse	Tuesday, 18th June 2019	13:30 - 13:45	JC Rolland
7B	Shaahin Filizadeh	Tuesday, 18th June 2019	13:30 - 13:45	11
8A	Jeewantha de Silva	Wednesday, 19th June 2019	8:00 - 8:30	JC Rolland
8B	Taku Noda	Wednesday, 19th June 2019	8:00 - 8:30	11
9A	Jose Marti	Wednesday, 19th June 2019	8:00 - 8:30	JC Rolland
9B	Maria Teresa de Barros	Wednesday, 19th June 2019	8:00 - 8:30	11
10A	Antonio Carlos Siqueira de Lima	Thursday, 20th June 2019	8:00 - 8:30	Amphi. C. Trenet
10B	Chul-Hwan Kim	Thursday, 20th June 2019	8:00 - 8:30	11
11A	Akihiro Ametani	Thursday, 20th June 2019	8:00 - 8:30	Amphi. C. Trenet
11B	Jean Mahseredjian	Thursday, 20th June 2019	8:00 - 8:30	11

Detailed Schedule

Sunday, 16th June 2019

18:00- 20:00	Welcome Reception Terrace of the Congress Center, 7 th floor
-----------------	--

Monday, 17th June 2019 (Sessions 1A, 1B)

8:00 - 8:30	Authors/Chair Meeting in Sessions Rooms	
8:30 - 10:15	Opening Ceremony - Keynote Session	
10:15 - 10:30	Coffee Break	
10:30	Session: 1A, Transmission Lines and Cables I Room: JC Rolland Chair: Fernando Moreira	Session: 1B, Real-Time Simulators Room: 11 Chair: Yi Zhang
	4 - <i>Akihiro Ametani, Kazuo Yamamoto</i> , Non-Uniform Lines – Review of the Theory and Measured / Simulation Examples	35 - <i>Boris Bruned, Ian Menezes Martins, Pierre Rault, Sebastien Denetiere</i> , Efficient Task Allocation Algorithm for Parallel Real-Time EMT Simulation
10:50	21 - <i>Alberto De Conti, Alex C. Silva</i> , Three-Phase Compact Distribution Line Transient Analysis Considering Different Line Models	74 - <i>Christopher Pritchard, Thomas Hensler</i> , Using an Iterative Approach to Mimic Real-Time Closed-Loop Simulation for Protection Testing
11:10	57 - <i>Miguel Cervantes, Ilhan Kocar, Jean Mahseredjian, Abner Ramirez</i> , Partitioned Fitting and DC Correction in Transmission Line/Cable Models	73 - <i>Zhe Zhu, Wenming Gong, Jun Chen, Fei Zhang, Weihua Wang, Wei Li</i> , HIL Testing of an LCC-MMC Multi-terminal HVDC System in Various Operating Modes
11:30	130 - <i>Hidda Marakkala Jeewantha De Silva, Mohammad Shafieipour</i> , On Combining Classical and Numerical Techniques for Extracting the Impedance and Admittance of Cables and Overhead Lines	76 - <i>Philippe Le-Huy, Amr Abdellaoui, Karine Gauthier, Housseem Akremi</i> , Châteauguay Interconnection SVC refurbishment: Real-Time Hardware-in-the-Loop Commissioning Study Experience
11:50	151 - <i>Shucheng Zheng, Mohammad Shafieipour, Jeewantha De Silva, John Nordstrom, Vladimir Okhmatovski</i> , Rigorous Magneto-Quasi-Static Analysis of Overhead and Buried Multi-Conductor Transmission Lines in the Presence of Air-Soil Interface	112 - <i>Pierre Rault, Mohammad Yazdani, Sébastien Denetiere, Christian Wikström, Hani Saad, Niclas Johannesson</i> , Real-time simulation with an industrial DCCB controller in a HVDC grid
12:10		
12:30	Sessions End	
12:30 - 13:30	Lunch	

Monday, 17th June 2019 (Sessions 2A, 2B)

13:30 - 13:45	Authors/Chair Meeting in Sessions Rooms	
13:45	Session: 2A, Switching and Fault Transients I Room: JC Rolland Chair: Forooz Ghassemi	Session: 2B, System Protection I Room: 11 Chair: Athula Rajapakse
	87 - <i>Antonio Carlos Lima, João Salvador, Antonio Magalhães, Teresa Correia De Barros,</i> Assessment of Distinct Tower Structures Impact on Transient Behavior of an Overhead Transmission Line	58 - <i>Felipe Lopes, Eduardo Leite Jr., João Paulo Ribeiro, Lilian Lopes, Artur Piardi, Rodrigo Otto, Washington Neves,</i> Using the Differentiator-Smoother Filter to Analyze Traveling Waves on Transmission Lines: Fundamentals, Settings and Implementation
14:05	15 - <i>Jhair Stivel Acosta Sarmiento, Maria Cristina Tavares,</i> Transient behaviour of non-conventional multi-circuit power lines with different voltages levels at the same tower	148 - <i>Pedro Campos Fernandes, Hanni Naomira Gomes Venzi Gonçalves, Kleber Melo E Silva, Felipe Vigolvino Lopes,</i> Evaluation of Traveling Wave-Based Fault Location Methods Applied to HVDC Systems
14:25	86 - <i>Olli-Pekka Janhunen, Kimmo Nepola, Tuomas Rauhala,</i> Assessment of measures to improve cost-effectiveness, reliability and TRV risk management in Finnish series compensated system	59 - <i>Felipe Lopes, Eduardo Leite Jr., Flávio Costa, Washington Neves,</i> Traveling Wave-Based Hybrid Line Faulted Section Detection: A Practical Approach
14:45	69 - <i>Goran Levačić, Miroslav Mesić, Silvia Piliškić, Luka Ćurin, Dalibor Škarica,</i> Application of Line Surge Arresters on Transmission Lines in Croatian Power System	136 - <i>Rafael Lucas Da Silva França, Mônica Maria Leal, Marcos Sérgio Rodrigues Leal, Max Rodrigues Marques, Flavio Bezerra Costa, Ricardo Lúcio De Araújo Ribeiro,</i> Experimental Test Bench for Traveling-Wave-Based Methods Evaluations
15:05	79 - <i>Valdemir Brito, George Lira, Edson Costa, Arthur Andrade, Marcelo Maia,</i> Evaluation of the Energy Absorption Capability of MOSA Using a Wide-Range Model	118 - <i>Felipe Lopes, João Paulo Ribeiro, Tiago Honorato, Kleber Melo, Joaquim Rezende Jr., Carlos Aviz, Rafael Fernandes,</i> Time-Domain Relay Performance Evaluation Considering Brazilian Fault Cases
15:25	92 - <i>Nina Stipetic, Bozidar Filipovic-Grcic, Ivo Uglesic, Amir Tokic,</i> Investigation of direct lightning strikes to wind turbine blades	46 - <i>Ramin Mirzahosseini, Sakthivel Arunprasanth, Ehsan Tara, Udeesha Samarasekera, Yi Zhang,</i> Real-Time Closed-Loop Traveling-Wave Relay Testing (TWRT) in the Environment of Multi-Machine AC Power Systems
15:45	Sessions End	
15:45 - 16:00	Coffee Break	

Monday, 17th June 2019 (session 3A, 3B)

	Session: 3A, Transformers and Reactors Room: JC Rolland Chair: Washington Neves	Session: 3B, Switching and Fault Transients II Room: 11 Chair: Grigoris Papagiannis
16:00	33 - <i>Mislav Trbušić, Anton Hamler, Konrad Lenasi</i> , Investigation of a Transferred Voltage Surge Distribution Within a Tertiary Winding of a Power Transformer	120 - <i>Manuel Martinez-Duro</i> , idTRAN, a transformer model for engineering studies with incomplete input data
16:20	56 - <i>Gabriela Rêma, Dickson De Souza, Carlos Magno Vasques, Rogério De Azevedo, Guilherme Sarcinelli, Benedito Bonatto, Antonio Carlos De Lima, Rômulo Delgado, Helvio Martins, Davi Sixel</i> , Black-Box Modeling of Power Transformers at High Frequencies	145 - <i>Konstantinos Velitsikakis, Christiaan Engelbrecht, Kees Jansen, Bart Van Hulst</i> , Challenges and Mitigations for the Energization of Large Offshore Grids in the Netherlands
16:40	129 - <i>Juan M. Villanueva-Ramirez, Pablo Gomez, Fermin P. Espino-Cortes</i> , Dielectric Design Optimization of Transformer Windings under Fast Front Excitation	5 - <i>Paolo Marini</i> , Impact Of De-Energization Of 33kv Harmonic Filter On TRV Of Vacuum Circuit Breakers
17:00	64 - <i>Rodrigo Sousa Ferreira, Antônio Carlos Ferreira</i> , End-Windings Modeling to Study Transient Voltage Distribution in Machine Stator Windings Using Finite Elements Method	116 - <i>Ozenir Dias, Maria Cristina Tavares</i> , Behavior of the Single-Phase Auto-Reclosing in Half-Wavelength Transmission Line
17:20	41 - <i>Mohammad Shafieipour, Juan Carlos Garcia Alonso, Rohitha P. Jayasinghe, Aniruddha M. Gole</i> , Principle of Duality with Normalized Core Concept for Modeling Multi-Limb Transformers	111 - <i>Sofía Aparicio, Andrea Pizzini, Hani Saad, Simon Deschanvres</i> , Switching overvoltages studies for Live Working on the Uruguayan 500 kV transmission network
17:40	61 - <i>Jin-Sol Song, Ji-Soo Kim, Gyu-Jung Cho, Chul-Hwan Kim, Nam-Hun Cho</i> , Determination method for zero sequence impedance of 3-limb core transformer	1 - <i>Paolo Marini</i> , Effect of De-tuned Filter Energization on Supply Voltage Quality for VSDs
18:00	Sessions End	

Tuesday, 18th June 2019 (Sessions 4A, 4B)

8:00 - 8:30	Authors/Chair Meeting in Sessions Rooms	
	Session: 4A, Switching and Fault Transients III Room: JC Rolland Chair: Ivo Uglešić	Session: 4B, Power Electronics, FACTS, HVDC I Room: 11 Chair: Ani Gole
08:30	152 - <i>Daphne Barros, Washington Neves, Karcius Dantas,</i> Evaluation of a Controlled Switching Technique for Transmission Lines with Series Compensation	25 - <i>Anton Stepanov, Hani Saad, Ulas Karaagac, Jean Mahseredjian,</i> Spurious Power Generation in Arm Equivalent Model Variants of Modular Multilevel Converter
08:50	127 - <i>Patricia Mestas, Maria Cristina Tavares,</i> Method for Three-Phase Reclosing after Line-to-Ground Fault on Compensated Lines	54 - <i>Juan Carlos Garcia Alonso, Steven Howell, Karim Abdel-Hadi,</i> Half-Bridge and H-Bridge Equivalent MMC Models for EMT Simulation
09:10	11 - <i>Filipe Faria Da Silva, Claus Leth Bak,</i> Zero-missing phenomenon after fault clearing	6 - <i>Mojtaba Ashourloo, Reza Iravani,</i> A Reduced-Order Model of Full-Bridge Modular Multilevel Converter for the Analysis of Electromagnetic Transients
09:30	45 - <i>Olivier Turcotte, Stéphan Strasbourg,</i> Delayed Current Zero Crossing Issue in Static VAR Compensator SF6 Circuit Breakers	122 - <i>Mohamed Moez Belhaouane, Haibo Zhang, Frédéric Colas, Riad Kadri, Taoufik Qoria, François Gruson, Pierre Rault, Sébastien Dennetière, Xavier Guillaud,</i> Electromagnetic Transients (EMT) Model Design based on Modular Multilevel Converter Mockup
09:50	95 - <i>Alain Xémard, Bruno Jurisic, Michel Rioual, Arthur Olivier, Eric Selin,</i> Interruption of small medium voltage transformer current with a vacuum circuit breaker	85 - <i>Luo Liu, Xianghua Shi, Shaahin Filizadeh, David Jacobson,</i> Dynamic Modeling and Simulation of a Multiport DC Hub with Closed Loop Control
10:10	Sessions End	
10:15 - 10:30	Coffee Break	

Tuesday, 18th June 2019 (Sessions 5A, 5B)

	Session: 5A, Lightning Surges and Insulation Coordination Room: JC Rolland Chair: Alain Xémard	Session: 5B, Multi-Rate simulations Room: 11 Chair: Shaahin Filizadeh
10:30	51 - <i>Masashi Natsui, Akihiro Ametani, Jean Mahseredjian, Shozo Sekioka, Kazuo Yamamoto</i> , FDTD Analysis of Distribution Line Voltages Induced by Non-Vertical Lightning	77 - <i>Philippe Le-Huy, Sylvain Guérette</i> , Real-Time Multi-Rate Electromagnetic Transient Simulation on Conventional CPUs
10:50	143 - <i>André Luiz Cruz, Washington Luiz Neves</i> , Air-Insulated Substation – Comparison Between Two Lightning Model Approaches	65 - <i>Pouya Zadkhast, Xi Lin, Frederic Howell, Baekkyeong Ko, Kyeon Hur</i> , Practical Challenges of Hybrid Simulations Interfacing with Real-Time Digital Simulators
11:10	60 - <i>Amauri Martins-Britto, Sébastien Rondineau, Felipe Lopes</i> , Power Line Transient Interferences on a Nearby Pipeline Due to a Lightning Discharge	149 - <i>Ricardo Silva, Fernando Moreira, Antonio Lima</i> , Analysis of the Stability and Accuracy of Numerical Methods Applied to the Simulation of Electromagnetic Transients Involving Double Integration Steps
11:30	101 - <i>Fabio Tossani, Fabio Napolitano, Alberto Borghetti, Carlo Alberto Nucci</i> , Calculation of Lightning Electromagnetic Fields Above a Lossy Ground for Statistical Appraisal of Induced Overvoltages	82 - <i>Yankan Song, Ying Chen, Zhitong Yu, Shaowei Huang, Chen Shen</i> , Efficient Shifted Frequency Analysis for Power System in Symmetrical Component Domain
11:50	97 - <i>Rafael Alipio, Alberto De Conti, Audine Miranda, Maria Teresa Correia De Barros</i> , Lightning Overvoltages Including Frequency-Dependent Soil Parameters in the Transmission Line Model	14 - <i>Ming Cai, Jean Mahseredjian, Henry Gras, Ali El-Akoum, Xiaopeng Fu</i> , A Co-Simulation Based Parallel and Multistep Approach for Accelerating EMT Simulations
12:10	66 - <i>Shozo Sekioka, Kazuo Yamamoto, Toshihisa Funabashi</i> , Lightning Overvoltages in Windfarm considering Surge Characteristics of Grounding Resistance	121 - <i>Vahid Jalili-Marandi</i> , Real-Time Hybrid Transient Stability and Electromagnetic Transient Simulation of Confederated Transmission-Distribution Power Grids
12:30	Sessions End	
12:30 - 13:30	Lunch	

Tuesday, 18th 2019 (sessions 6A, 6B)

13:30 - 13:45	Authors/Chair Meeting in Sessions Rooms	
	Session: 6A, Fault Transients & Temporary Overvoltages Room: JC Rolland Chair: Filipe Faria da Silva	Session: 6B, System Protection II Room: 11 Chair: Marjan Popov
13:45	98 - <i>Irina Drozhzhina, Ivan Naumkin, Alexandr Liske, Andrey Telegin,</i> Resonant Overvoltages in the 35 kV Compensated Network under Single-Phase Short-Circuit Conditions in the 110 kV Supply Network	134 - <i>Raphael Reis, Washington Neves, Felipe Lopes, Damásio Fernandes Jr.,</i> Sensitivity Analysis of Traveling Wave-Based and Impedance-Based Fault Location Techniques
14:05	106 - <i>Forooz Ghassemi, Fabian Moore, Afshin Pashaei,</i> Resonance Condition and Resultant Overvoltage Causing 400 kV Circuit Breaker Failure	18 - <i>Ali Abur, Arthur Mouco,</i> Fault Location Using Sparse L1 Estimator and Phasor Measurement Units
14:25	30 - <i>Oscar Lennerhag, Math Bollen,</i> Impact of Uncertainties on Resonant Overvoltages	12 - <i>Ahmed Khalil, Reza Iravani,</i> HVDC Modelling Requirements for Transient Stability Analyses of Large HVDC-AC Grids
14:45	36 - <i>Javier Arturo Santiago Ortega, Maria Cristina Tavares,</i> Overvoltage Mitigation during Critical Three-Phase Faults on Half-Wavelength Transmission Lines	89 - <i>Arkadiusz Burek, Tomasz Sikorski, Jacek Rezmer, Hans Bjorklund,</i> Finger print matching of Bewley's diagram and fault transients for single-ended fault location in HVDC
15:05	9 - <i>Wah Shum, Ming Zou, Yansong Leng,</i> Implementation of remedial action schemes to mitigate temporary over voltage (TOV) - lessons learned	144 - <i>Catarina Gaspar, André Dos Santos, Maria Teresa Correia De Barros,</i> Sensitivity Analysis of Impedance-Based Transmission Line Fault Location Algorithms
15:25		138 - <i>Paulo Oliveira, Washington Neves, Damásio Fernandes, Raphael Reis,</i> Impact of Data Acquisition System on Impedance-based Fault Locators
15:45	Sessions End	
15:45 - 16:00	Coffee Break	

Tuesday, 18th 2019 (Sessions 7A, 7B)

	Session: 7A, Renewable Energy Sources Room: JC Rolland Chair: Athula Rajapakse	Session: 7B, Power Electronics, FACTS, HVDC II Room: 11 Chair: Shaahin Filizadeh
16:00	70 - <i>Alberto Lorenzo-Bonache, Raquel Villena-Ruiz, Andrés Honrubia-Escribano, Emilio Gómez-Lázaro,</i> Electromagnetic Torque Transient Control System of a Generic DFIG Wind Turbine Model	153 - <i>Richard Hibberts-Caswell, Liliana Oprea,</i> Dynamic Performance of VSC and LCC HVDC Converters in Parallel Operation
16:20	72 - <i>Raquel Villena-Ruiz, Alberto Lorenzo-Bonache, Andrés Honrubia-Escribano, Emilio Gómez-Lázaro,</i> Analysis of the Active and Reactive Power Transient Responses of a Generic Type 3 Wind Turbine Model	114 - <i>Yue He, Yong Zhang, Yiping Chen, Zhongchao Yang,</i> The Research on the Transient Voltage & Reactive Power When Unlocking the Single Valve of UHVDC in Island Mode
16:40	53 - <i>Muhammad Arif Sharafat Ali, Khawaja Khalid Mehmood, Ji-Soo Kim, Chul-Hwan Kim,</i> ESD-based Crowbar for Mitigating DC-link Variations in a DFIG-based WECS	39 - <i>Max Goertz, Simon Wenig, Carolin Hirsching, Klaus-Martin Schäfer, Simon Beckler, Jörg Reisbeck, Matthias Kahl, Michael Suriyah, Thomas Leibfried,</i> Overvoltage Characteristics of Symmetrical Monopolar HB MMC-HVDC Links comprising Long Cable Systems
17:00		47 - <i>Nicolás Manduley, Sellé Touré, Alain Xémard, Bertrand Raison, Serge Poullain,</i> Effect of the Surge Arrester Configuration in MMC-HVDC Systems under DC and Converter Fault Conditions
17:20	Sessions End	
19:00-23:00	Banquet dinner	

Wednesday, 19th June (Session 8A, 8B)

8:00 - 8:30	Authors/Chair Meeting in Sessions Rooms	
	Session: 8A, Solution Methods and Algorithms I Room: JC Rolland Chair: Jeewantha de Silva	Session: 8B, Inrush Currents and Ferroresonance Room: 11 Chair: Taku Noda
08:30	78 - <i>Andreas Nessmann, Thomas Hensler,</i> Optimizing Accuracy and Eliminating Numerical Oscillations for Transient Power System Simulations	26 - <i>Sanad Al-Areqi, Pablo Ignacio Correa Vasquez,</i> <i>Mike Dommaschk, Juergen Rittiger, Simon</i> <i>Teeuwesen, Adnan Chaudhry,</i> Modeling and Analysis of MMC-Based HVDC Effect on Subsynchronous Torsional Stability
08:50	8 - <i>Antonio Carlos Lima, Rodolfo Moura, Pedro</i> <i>Nascimento, Teresa Correia De Barros, Marco</i> <i>Schroeder,</i> Implementing Hybrid Electromagnetic Models in Time-Domain Simulations	80 - <i>Aramis Schwanka Trevisan, Martin Fecteau,</i> <i>Angelo Mendonca, Richard Gagnon, Jean</i> <i>Mahseredjian,</i> Analysis of low frequency interactions between DFIG wind turbines and series compensated systems
09:10	109 - <i>Lorenzo De Jesús Castañón Alcalá, José Luis</i> <i>A. Naredo Villagrán, Jean René Zuluaga Duque,</i> <i>Martin Gerardo Vega Grijalva,</i> Electromagnetic-Transient analysis in the Laplace- domain through the QD algorithm	91 - <i>Robert Rogersten, Robert Eriksson,</i> A Ferroresonance Case Study Involving a Series- Compensated Line in Sweden
09:30	38 - <i>Arash Tavighi, Hamed Ahmadi, Mazana</i> <i>Armstrong, Jose Marti,</i> Discrete-Time Fourier Series to Simulate Transient Overvoltages in Power Systems	
09:50	Sessions End	
10:00 - 10:15	Coffee Break	

Wednesday, 19th June 2019 (Session 9A, 9B)

10:15	Session: 9A, Solution Methods and Algorithms II Room: JC Rolland Chair: Jose Marti	Session: 9B, Harmonics & Power Quality Room: 11 Chair: Maria Teresa Correia de Barros
	10 - <i>Jesus Morales Rodriguez, Edgar Yitzhak Medina Lara, Jean Mahseredjian, Abner Ramirez Vazquez, Keyhan Sheshyekani,</i> A Comparative Study of Fitting Techniques	96 - <i>Juan Velásquez, Ning Liu, Jörg Reisbeck, Simon Beckler, Christoph Butterer, Simon Wenig,</i> Cost-effective Approach for On-line Measurement of Harmonics in Power Systems
10:35	117 - <i>Meysam Ahmadi, Shengtao Fan, Huanfeng Zhao, Aniruddha Gole,</i> Efficient Implementation of Frequency Dependent Network Equivalents using State Space Models of Cascaded Sub-Circuits	44 - <i>Yannick Vernay, Julien Michel, Jean-Pierre Taisne,</i> Study and measurement of harmonics emission for the HVDC-LCC French station IFA2000
10:55	100 - <i>Kasun Samarawickrama, Anuradha Kariyawasam, Sachintha Kariyawasam,</i> Investigation of Stability Issues introduced by Network Reduction in EMT Simulations	68 - <i>Theofilos Papadopoulos, Iordanis Chaleplidis, Andreas Chrysochos, Grigoris Papagiannis, Konstantinos Pavlou,</i> An Investigation of Harmonic Induced Voltages on Medium-Voltage Cable Sheaths and Nearby Pipelines
11:15	115 - <i>Huanfeng Zhao, Shengtao Fan, Aniruddha Gole,</i> Equivalency of State Space Models and EMT Companion Circuit Models	
11:35	Sessions End	
11:45 – 12:45	Presentation of technical tours (Room JC Rolland)	
12:45 - 14:00	Lunch (packaged)	
14:00 - 18:00	Technical & Touristic Tour	

Thursday, 20th June 2019

8:00 - 8:30	Authors/Chair Meeting in Sessions Rooms	
08:30	Session: 10A, Switching and Fault Transients IV Room: Amphi. C. Trenet Chair: Antonio Carlos Siqueira de Lima	Session: 10B, System Protection III Room: 11 Chair: Chul-Hwan Kim
	49 - <i>Aboutaleb Haddadi, Ming Cai, Ulas Karaagac, Jean Mahseredjian,</i> Power System Test Cases for EMT-type Simulation Studies	22 - <i>Naushath Mohamed Haleem, Athula Dayanath Rajapakse,</i> A Transient Based Phase Selection Method for Transmission Line Protection
08:50	137 - <i>Kiran Munji, Jonathan Horne, José Ribeca,</i> An Overview of the Transient Studies Required for HVAC Connected Offshore Wind Farms	24 - <i>Raymundo Torres-Olguin, Murari Mohan Saha, Hans Kristian Hoidalén,</i> Analysis and evaluation of Intersystem Fault in a Hybrid AC/DC Power System and its impact on the Protection System
09:10	119 - <i>Manuel Martinez-Duro,</i> Going parametric in EMT studies: EDF methods and tools for input data uncertainties, sensitivity analysis and parameter identification	28 - <i>Adeyemi Charles Adewole, Athula Rajapakse, Dean Ouellette, Paul Forsyth,</i> Incremental Transient Energy Directional Comparison Protection Scheme using IEC-61869-9 Sampled-Values
09:30	32 - <i>Fabian Koehler, Andrew Bremner, David Allan,</i> Surge-Transferred Overvoltages in Earthing/Auxiliary Transformers	90 - <i>German Gutierrez,</i> Preventing Collapses with a Supplementary Protection Scheme for the Colombia – Ecuador Interconnection
09:50		29 - <i>Jose De Jesus Chavez, Marjan Popov, Sadegh Azizi, Vladimir Terzija,</i> Protection Function Assessment of Present Relays For Wind Generator Applications
10:10	Sessions End	
10:15 - 10:30	Coffee Break	

Thursday, 20th June 2019 (Session 11A, 11B)

	Session: 11A, Transmission Lines and Cables II Room: Amphi. C. Trenet Chair: Akihiro Ametani	Session: 11B, Systems Dynamics Room: 11 Chair: Jean Mahseredjian
10:30	2 - <i>Eduardo Marques Costa, Luis Felipe Lourenço, Carlos Eduardo Pereira, Marcelo Perotoni, Jose Roberto Cardoso, Carlos Sartori,</i> Time-Domain Analysis of Surge Impedance Formulations based on Cylindrical Representation of 200 meters Tall Transmission Towers	50 - <i>Luc Gerin-Lajoie, Aboutaleb Haddadi, Afshin Rezaei-Zare, Jean Mahseredjian,</i> Simultaneous DC and AC Simulation of GMD Impacts in a Power System
10:50	63 - <i>Anderson Ricardo Justo De Araujo, Claudiner Mendes De Seixas, Sergio Kurokawa, Behzad Kordi,</i> Comparative Analysis of Lightning Voltage Surge in Tall and Conventional Transmission Towers	124 - <i>Ismael De Azevedo, Luciano Barros, Caio Cunha,</i> Model Reference Adaptive Control for Squirrel-Cage Induction Generator-Based Wind Energy Conversion Systems
11:10	43 - <i>Mohammad Ghomi, Hamid Reza Mohammadi, Hamidreza Karami, Claus Leth Bak, Filipe Faria Da Silva, Hesam Khazraj,</i> Full-Wave Modeling of Grounding System: Evaluation The Effects of Multi-Layer Soil and Length of Electrode on Ground Potential Rise	40 - <i>Harshani Konara, Udaya Annakkage, Chandana Karawita,</i> Novel Voltage Source Type Synchronous Machine Model for Nodal Analysis Based Simulations
11:30	81 - <i>Bamdad Salarieh, Jeewantha De Silva, Behzad Kordi,</i> Wideband EMT-Compatible Model for Grounding Electrodes Buried in Frequency Dependent Soil	88 - <i>Navid Amiri, Seyyedmilad Ebrahimi, Juri Jatskevich,</i> A Constant-Parameter Discretized State-Space Model of Saturable Induction Machines for Fixed Time-step Simulations
11:50	31 - <i>Theofilos Papadopoulos, Zacharias Datsios, Andreas Chrysochos, Pantelis Mikropoulos, Grigoris Papagiannis,</i> Impact of the Frequency-Dependent Soil Electrical Properties on the Electromagnetic Field Propagation in Underground Cables	102 - <i>Mircea Fratila, Ali El-Akoum, Manuel Martinez-Duró, Paul Poujade, Marc Flores,</i> Stability studies with parameter uncertainties
12:10	142 - <i>Alex Tronchoni, Daniel Gazzana, Arturo Bretas,</i> Non-Homogeneous Media and Ionization Phenomenon Representation in Transient Studies: A TLM Model	37 - <i>Zhi Jin Zhang, Arman Ghasaei, Reza Iravani,</i> Transient Study of an Automata-Based Microgrid Supervisory Control
12:30	Sessions End	
12:30 - 13:45	Lunch	
13:45 - 15:30	Closing Ceremony	

Author Index

Last Name	First Name	Day	Time	Session	Room	Paper ID
Abdel-Hadi	Karim	Tue	08:50	4B	11	54
Abdellaoui	Amr	Mon	11:30	1B	11	76
Abur	Ali	Tue	14:05	6B	11	18
Acosta Sarmiento	Jhair Stivel	Mon	14:05	2A	JC Rolland	15
Adewole	Adeyemi Charles	Thu	09:10	10B	11	28
Ahmadi	Hamed	Wed	09:30	8A	JC Rolland	38
Ahmadi	Meysam	Wed	10:35	9A	JC Rolland	117
Akremiti	Houssem	Mon	11:30	1B	11	76
Al-Areqi	Sanad	Wed	08:30	8B	11	26
Ali	Muhammad Arif Sharafat	Tue	16:40	7A	JC Rolland	53
Alipio	Rafael	Tue	11:50	5A	JC Rolland	97
Allan	David	Thu	09:30	10A	A. Trenet	32
Ametani	Akihiro	Mon	10:30	1A	JC Rolland	4
Ametani	Akihiro	Tue	10:30	5A	JC Rolland	51
Amiri	Navid	Thu	11:30	11B	11	88
Andrade	Arthur	Mon	15:05	2A	JC Rolland	79
Annakkage	Udaya	Thu	11:10	11B	11	40
Aparicio	Sofía	Mon	17:20	3B	11	111
Armstrong	Mazana	Wed	09:30	8A	JC Rolland	38
Arunprasanth	Sakthivel	Mon	15:25	2B	11	46
Ashourloo	Mojtaba	Tue	09:10	4B	11	6
Aviz	Carlos	Mon	15:05	2B	11	118
Azizi	Sadegh	Thu	09:50	10B	11	29
Bak	Claus Leth	Tue	09:10	4A	JC Rolland	11
Barros	Daphne	Tue	08:30	4A	JC Rolland	152
Barros	Luciano	Thu	10:50	11B	11	124
Beckler	Simon	Tue	16:40	7B	11	39
Beckler	Simon	Wed	10:15	9B	11	96
Belhaouane	Mohamed Moez	Tue	09:30	4B	11	122
Bjorklund	Hans	Tue	14:45	6B	11	89
Bollen	Math	Tue	14:25	6A	JC Rolland	30
Bonatto	Benedito	Mon	16:20	3A	JC Rolland	56
Borghetti	Alberto	Tue	11:30	5A	JC Rolland	101
Bremner	Andrew	Thu	09:30	10A	A. Trenet	32
Bretas	Arturo	Thu	12:10	11A	A. Trenet	142
Brito	Valdemir	Mon	15:05	2A	JC Rolland	79
Bruned	Boris	Mon	10:30	1B	11	35
Burek	Arkadiusz	Tue	14:45	6B	11	89
Butterer	Christoph	Wed	10:15	9B	11	96
Cai	Ming	Tue	11:50	5B	11	14
Cai	Ming	Thu	08:30	10A	A. Trenet	49

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Campos Fernandes	Pedro	Mon	14:05	2B	11	148
Cardoso	Jose Roberto	Thu	10:30	11A	A. Trenet	2
Castañón Alcalá	Lorenzo De Jesús	Wed	09:10	8A	JC Rolland	109
Cervantes	Miguel	Mon	11:10	1A	JC Rolland	57
Chaleplidis	Iordanis	Wed	10:55	9B	11	68
Chaudhry	Adnan	Wed	08:30	8B	11	26
Chen	Jun	Mon	11:10	1B	11	73
Chen	Ying	Tue	11:30	5B	11	82
Chen	Yiping	Tue	16:20	7B	11	114
Cho	Gyu-Jung	Mon	17:40	3A	JC Rolland	61
Cho	Nam-Hun	Mon	17:40	3A	JC Rolland	61
Chrysochos	Andreas	Thu	11:50	11A	A. Trenet	31
Chrysochos	Andreas	Wed	10:55	9B	11	68
Colas	Frédéric	Tue	09:30	4B	11	122
Correa Vasquez	Pablo Ignacio	Wed	08:30	8B	11	26
Correia De Barros	Maria Teresa	Tue	11:50	5A	JC Rolland	97
Correia De Barros	Maria Teresa	Tue	15:05	6B	11	144
Correia De Barros	Maria Teresa	Wed	08:50	8A	JC Rolland	8
Correia De Barros	Maria Teresa	Mon	13:45	2A	JC Rolland	87
Costa	Edson	Mon	15:05	2A	JC Rolland	79
Costa	Flávio	Mon	14:25	2B	11	59
Costa	Flavio Bezerra	Mon	14:45	2B	11	136
Cruz	André Luiz	Tue	10:50	5A	JC Rolland	143
Cunha	Caio	Thu	10:50	11B	11	124
Ćurin	Luka	Mon	14:45	2A	JC Rolland	69
Dantas	Karcius	Tue	08:30	4A	JC Rolland	152
Datsios	Zacharias	Thu	11:50	11A	A. Trenet	31
Dayanath Rajapakse	Athula	Thu	08:30	10B	11	22
De Azevedo	Ismael	Thu	10:50	11B	11	124
De Azevedo	Rogério	Mon	16:20	3A	JC Rolland	56
De Conti	Alberto	Mon	10:50	1A	JC Rolland	21
De Conti	Alberto	Tue	11:50	5A	JC Rolland	97
De Jesus Chavez	Jose	Thu	09:50	10B	11	29
De Silva	Jeewantha	Mon	11:30	1A	JC Rolland	130
De Silva	Jeewantha	Thu	11:30	11A	A. Trenet	81
De Silva	Jeewantha	Mon	11:50	1A	JC Rolland	151
De Souza	Dickson	Mon	16:20	3A	JC Rolland	56
Delgado	Rômulo	Mon	16:20	3A	JC Rolland	56
Dennetière	Sébastien	Mon	10:30	1B	11	35
Dennetière	Sébastien	Tue	09:30	4B	11	122
Dennetière	Sébastien	Mon	11:50	1B	11	112
Deschanvres	Simon	Mon	17:20	3B	11	111
Dias	Ozenir	Mon	17:00	3B	11	116
Dommaschk	Mike	Wed	08:30	8B	11	26

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Dos Santos	André	Tue	15:05	6B	11	144
Drozhhina	Irina	Tue	13:45	6A	JC Rolland	98
Ebrahimi	Seyyedmilad	Thu	11:30	11B	11	88
El-Akoum	Ali	Tue	11:50	5B	11	14
El-Akoum	Ali	Thu	11:50	11B	11	102
Engelbrecht	Christiaan	Mon	16:20	3B	11	145
Eriksson	Robert	Wed	09:10	8B	11	91
Espino-Cortes	Fermin P.	Mon	16:40	3A	JC Rolland	129
Fan	Shengtao	Wed	11:15	9A	JC Rolland	115
Fan	Shengtao	Wed	10:35	9A	JC Rolland	117
Faria Da Silva	Filipe	Tue	09:10	4A	JC Rolland	11
Faria Da Silva	Filipe	Thu	11:10	11A	A. Trenet	43
Fecteau	Martin	Wed	08:50	8B	11	80
Fernandes	Damásio	Tue	15:25	6B	11	138
Fernandes	Damásio	Tue	13:45	6B	11	134
Fernandes	Rafael	Mon	15:05	2B	11	118
Ferreira	Antônio Carlos	Mon	17:00	3A	JC Rolland	64
Filipovic-Grcic	Bozidar	Mon	15:25	2A	JC Rolland	92
Filizadeh	Shaahin	Tue	09:50	4B	11	85
Flores	Marc	Thu	11:50	11B	11	102
Forsyth	Paul	Thu	09:10	10B	11	28
França	Rafael Lucas Da Silva	Mon	14:45	2B	11	136
Fratila	Mircea	Thu	11:50	11B	11	102
Fu	Xiaopeng	Tue	11:50	5B	11	14
Funabashi	Toshihisa	Tue	12:10	5A	JC Rolland	66
Gagnon	Richard	Wed	08:50	8B	11	80
Garcia Alonso	Juan Carlos	Mon	17:20	3A	JC Rolland	41
Garcia Alonso	Juan Carlos	Tue	08:50	4B	11	54
Gaspar	Catarina	Tue	15:05	6B	11	144
Gauthier	Karine	Mon	11:30	1B	11	76
Gazzana	Daniel	Thu	12:10	11A	A. Trenet	142
Gerin-Lajoie	Luc	Thu	10:30	11B	11	50
Ghasaei	Arman	Thu	12:10	11B	11	37
Ghassemi	Forooz	Tue	14:05	6A	JC Rolland	106
Ghomi	Mohammad	Thu	11:10	11A	A. Trenet	43
Goertz	Max	Tue	16:40	7B	11	39
Gole	Aniruddha	Wed	11:15	9A	JC Rolland	115
Gole	Aniruddha	Wed	10:35	9A	JC Rolland	117
Gole	Aniruddha	Mon	17:20	3A	JC Rolland	41
Gomez	Pablo	Mon	16:40	3A	JC Rolland	129
Gómez-Lázaro	Emilio	Tue	16:00	7A	JC Rolland	70
Gómez-Lázaro	Emilio	Tue	16:20	7A	JC Rolland	72
Gong	Wenming	Mon	11:10	1B	11	73

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Gras	Henry	Tue	11:50	5B	11	14
Gruson	François	Tue	09:30	4B	11	122
Guérette	Sylvain	Tue	10:30	5B	11	77
Guillaud	Xavier	Tue	09:30	4B	11	122
Gutierrez	German	Thu	09:30	10B	11	90
Haddadi	Aboutaleb	Thu	08:30	10A	A. Trenet	49
Haddadi	Aboutaleb	Thu	10:30	11B	11	50
Hamler	Anton	Mon	16:00	3A	JC Rolland	33
He	Yue	Tue	16:20	7B	11	114
Hensler	Thomas	Mon	10:50	1B	11	74
Hensler	Thomas	Wed	08:30	8A	JC Rolland	78
Hibberts-Caswell	Richard	Tue	16:00	7B	11	153
Hirsching	Carolin	Tue	16:40	7B	11	39
Hoidalen	Hans Kristian	Thu	08:50	10B	11	24
Honorato	Tiago	Mon	15:05	2B	11	118
Honrubia-Escribano	Andrés	Tue	16:00	7A	JC Rolland	70
Honrubia-Escribano	Andrés	Tue	16:20	7A	JC Rolland	72
Horne	Jonathan	Thu	08:50	10A	A. Trenet	137
Howell	Frederic	Tue	10:50	5B	11	65
Howell	Steven	Tue	08:50	4B	11	54
Huang	Shaowei	Tue	11:30	5B	11	82
Hur	Kyeon	Tue	10:50	5B	11	65
Iravani	Reza	Tue	09:10	4B	11	6
Iravani	Reza	Tue	14:25	6B	11	12
Iravani	Reza	Thu	12:10	11B	11	37
Jacobson	David	Tue	09:50	4B	11	85
Jalili-Marandi	Vahid	Tue	12:10	5B	11	121
Janhunen	Olli-Pekka	Mon	14:25	2A	JC Rolland	86
Jansen	Kees	Mon	16:20	3B	11	145
Jatskevich	Juri	Thu	11:30	11B	11	88
Jayasinghe	Rohitha P.	Mon	17:20	3A	JC Rolland	41
Johannesson	Niclas	Mon	11:50	1B	11	112
Jurisic	Bruno	Tue	09:50	4A	JC Rolland	95
Justo De Araujo	Anderson Ricardo	Thu	10:50	11A	A. Trenet	63
Kadri	Riad	Tue	09:30	4B	11	122
Kahl	Matthias	Tue	16:40	7B	11	39
Karaagac	Ulas	Tue	08:30	4B	11	25
Karaagac	Ulas	Thu	08:30	10A	A. Trenet	49
Karami	Hamidreza	Thu	11:10	11A	A. Trenet	43
Karawita	Chandana	Thu	11:10	11B	11	40
Kariyawasam	Anuradha	Wed	10:55	9A	JC Rolland	100
Kariyawasam	Sachintha	Wed	10:55	9A	JC Rolland	100
Khalil	Ahmed	Tue	14:25	6B	11	12
Khazraj	Hesam	Thu	11:10	11A	A. Trenet	43

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Kim	Chul-Hwan	Tue	16:40	7A	JC Rolland	53
Kim	Chul-Hwan	Mon	17:40	3A	JC Rolland	61
Kim	Ji-Soo	Tue	16:40	7A	JC Rolland	53
Kim	Ji-Soo	Mon	17:40	3A	JC Rolland	61
Ko	Baekkyeong	Tue	10:50	5B	11	65
Kocar	Ilhan	Mon	11:10	1A	JC Rolland	57
Koehler	Fabian	Thu	09:30	10A	A. Trenet	32
Konara	Harshani	Thu	11:10	11B	11	40
Kordi	Behzad	Thu	10:50	11A	A. Trenet	63
Kordi	Behzad	Thu	11:30	11A	A. Trenet	81
Kurokawa	Sergio	Thu	10:50	11A	A. Trenet	63
Leal	Marcos Sérgio Rodrigues	Mon	14:45	2B	11	136
Leal	Mônica Maria	Mon	14:45	2B	11	136
Le-Huy	Philippe	Mon	11:30	1B	11	76
Le-Huy	Philippe	Tue	10:30	5B	11	77
Leibfried	Thomas	Tue	16:40	7B	11	39
Leite Jr.	Eduardo	Mon	13:45	2B	11	58
Leite Jr.	Eduardo	Mon	14:25	2B	11	59
Lenasi	Konrad	Mon	16:00	3A	JC Rolland	33
Leng	Yansong	Tue	15:05	6A	JC Rolland	9
Lennerhag	Oscar	Tue	14:25	6A	JC Rolland	30
Leth Bak	Claus	Thu	11:10	11A	A. Trenet	43
Levačić	Goran	Mon	14:45	2A	JC Rolland	69
Li	Wei	Mon	11:10	1B	11	73
Lima	Antonio Carlos	Mon	16:20	3A	JC Rolland	56
Lima	Antonio Carlos	Tue	11:10	5B	11	149
Lima	Antonio Carlos	Wed	08:50	8A	JC Rolland	8
Lima	Antonio Carlos	Mon	13:45	2A	JC Rolland	87
Lin	Xi	Tue	10:50	5B	11	65
Lira	George	Mon	15:05	2A	JC Rolland	79
Liske	Alexandr	Tue	13:45	6A	JC Rolland	98
Liu	Luo	Tue	09:50	4B	11	85
Liu	Ning	Wed	10:15	9B	11	96
Lopes	Felipe	Mon	13:45	2B	11	58
Lopes	Felipe	Mon	14:25	2B	11	59
Lopes	Felipe	Tue	11:10	5A	JC Rolland	60
Lopes	Felipe	Mon	15:05	2B	11	118
Lopes	Felipe	Tue	13:45	6B	11	134
Lopes	Felipe	Mon	14:05	2B	11	148
Lopes	Lilian	Mon	13:45	2B	11	58
Lorenzo-Bonache	Alberto	Tue	16:00	7A	JC Rolland	70

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Lorenzo-Bonache	Alberto	Tue	16:20	7A	JC Rolland	72
Lourenço	Luis Felipe	Thu	10:30	11A	A. Trenet	2
Magalhães	Antonio	Mon	13:45	2A	JC Rolland	87
Mahseredjian	Jean	Wed	10:15	9A	JC Rolland	10
Mahseredjian	Jean	Tue	11:50	5B	11	14
Mahseredjian	Jean	Tue	08:30	4B	11	25
Mahseredjian	Jean	Thu	08:30	10A	A. Trenet	49
Mahseredjian	Jean	Thu	10:30	11B	11	50
Mahseredjian	Jean	Tue	10:30	5A	JC Rolland	51
Mahseredjian	Jean	Mon	11:10	1A	JC Rolland	57
Mahseredjian	Jean	Wed	08:50	8B	11	80
Maia	Marcelo	Mon	15:05	2A	JC Rolland	79
Manduley	Nicolás	Tue	17:00	7B	11	47
Marini	Paolo	Mon	17:40	3B	11	1
Marini	Paolo	Mon	16:40	3B	11	5
Marques	Max Rodrigues	Mon	14:45	2B	11	136
Marques Costa	Eduardo	Thu	10:30	11A	A. Trenet	2
Marti	Jose	Wed	09:30	8A	JC Rolland	38
Martinez-Duro	Manuel	Thu	09:10	10A	A. Trenet	119
Martinez-Duro	Manuel	Mon	16:00	3B	11	120
Martinez-Duró	Manuel	Thu	11:50	11B	11	102
Martins	Helvio	Mon	16:20	3A	JC Rolland	56
Martins-Britto	Amauri	Tue	11:10	5A	JC Rolland	60
Medina Lara	Edgar Yitzhak	Wed	10:15	9A	JC Rolland	10
Mehmood	Khawaja Khalid	Tue	16:40	7A	JC Rolland	53
Melo	Kleber	Mon	15:05	2B	11	118
Melo E Silva	Kleber	Mon	14:05	2B	11	148
Mendes De Seixas	Claudiner	Thu	10:50	11A	A. Trenet	63
Mendonca	Angelo	Wed	08:50	8B	11	80
Menezes Martins	Ian	Mon	10:30	1B	11	35
Mesić	Miroslav	Mon	14:45	2A	JC Rolland	69
Mestas	Patricia	Tue	08:50	4A	JC Rolland	127
Michel	Julien	Wed	10:35	9B	11	44
Mikropoulos	Pantelis	Thu	11:50	11A	A. Trenet	31
Miranda	Audine	Tue	11:50	5A	JC Rolland	97
Mirzahosseini	Ramin	Mon	15:25	2B	11	46
Mohamed Haleem	Naushath	Thu	08:30	10B	11	22
Mohammadi	Hamid Reza	Thu	11:10	11A	A. Trenet	43
Moore	Fabian	Tue	14:05	6A	JC Rolland	106
Morales Rodriguez	Jesus	Wed	10:15	9A	JC Rolland	10
Moreira	Fernando	Tue	11:10	5B	11	149
Mouco	Arthur	Tue	14:05	6B	11	18
Moura	Rodolfo	Wed	08:50	8A	JC Rolland	8
Munji	Kiran	Thu	08:50	10A	A. Trenet	137

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Naomira Gomes Venzi Gonçalves	Hanni	Mon	14:05	2B	11	148
Napolitano	Fabio	Tue	11:30	5A	JC Rolland	101
Naredo Villagrán	José Luis A.	Wed	09:10	8A	JC Rolland	109
Nascimento	Pedro	Wed	08:50	8A	JC Rolland	8
Natsui	Masashi	Tue	10:30	5A	JC Rolland	51
Naumkin	Ivan	Tue	13:45	6A	JC Rolland	98
Nepola	Kimmo	Mon	14:25	2A	JC Rolland	86
Nessmann	Andreas	Wed	08:30	8A	JC Rolland	78
Neves	Washington	Mon	13:45	2B	11	58
Neves	Washington	Mon	14:25	2B	11	59
Neves	Washington	Tue	13:45	6B	11	134
Neves	Washington	Tue	15:25	6B	11	138
Neves	Washington	Tue	08:30	4A	JC Rolland	152
Neves	Washington	Tue	10:50	5A	JC Rolland	143
Nordstrom	John	Mon	11:50	1A	JC Rolland	151
Nucci	Carlo Alberto	Tue	11:30	5A	JC Rolland	101
Okhmatovski	Vladimir	Mon	11:50	1A	JC Rolland	151
Oliveira	Paulo	Tue	15:25	6B	11	138
Olivier	Arthur	Tue	09:50	4A	JC Rolland	95
Oprea	Liliana	Tue	16:00	7B	11	153
Otto	Rodrigo	Mon	13:45	2B	11	58
Ouellette	Dean	Thu	09:10	10B	11	28
Papadopoulos	Theofilos	Thu	11:50	11A	A. Trenet	31
Papadopoulos	Theofilos	Wed	10:55	9B	11	68
Papagiannis	Grigoris	Thu	11:50	11A	A. Trenet	31
Papagiannis	Grigoris	Wed	10:55	9B	11	68
Pashaei	Afshin	Tue	14:05	6A	JC Rolland	106
Pavlou	Konstantinos	Wed	10:55	9B	11	68
Pereira	Carlos Eduardo	Thu	10:30	11A	A. Trenet	2
Perotoni	Marcelo	Thu	10:30	11A	A. Trenet	2
Piardi	Artur	Mon	13:45	2B	11	58
Piliškić	Silvia	Mon	14:45	2A	JC Rolland	69
Pizzini	Andrea	Mon	17:20	3B	11	111
Popov	Marjan	Thu	09:50	10B	11	29
Poujade	Paul	Thu	11:50	11B	11	102
Poullain	Serge	Tue	17:00	7B	11	47
Pritchard	Christopher	Mon	10:50	1B	11	74
Qoria	Taoufik	Tue	09:30	4B	11	122
Raison	Bertrand	Tue	17:00	7B	11	47
Rajapakse	Athula	Thu	09:10	10B	11	28
Ramirez	Abner	Mon	11:10	1A	JC Rolland	57
Ramirez Vazquez	Abner	Wed	10:15	9A	JC Rolland	10

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Rauhala	Tuomas	Mon	14:25	2A	JC Rolland	86
Rault	Pierre	Mon	10:30	1B	11	35
Rault	Pierre	Mon	11:50	1B	11	112
Rault	Pierre	Tue	09:30	4B	11	122
Reis	Raphael	Tue	13:45	6B	11	134
Reis	Raphael	Tue	15:25	6B	11	138
Reisbeck	Jörg	Tue	16:40	7B	11	39
Reisbeck	Jörg	Wed	10:15	9B	11	96
Rêma	Gabriela	Mon	16:20	3A	JC Rolland	56
Rezaei-Zare	Afshin	Thu	10:30	11B	11	50
Rezende Jr.	Joaquim	Mon	15:05	2B	11	118
Rezmer	Jacek	Tue	14:45	6B	11	89
Ribbecca	José	Thu	08:50	10A	A. Trenet	137
Ribeiro	João Paulo	Mon	13:45	2B	11	58
Ribeiro	João Paulo	Mon	15:05	2B	11	118
Ribeiro	Ricardo Lúcio De Araújo	Mon	14:45	2B	11	136
Rioual	Michel	Tue	09:50	4A	JC Rolland	95
Rittiger	Juergen	Wed	08:30	8B	11	26
Rogersten	Robert	Wed	09:10	8B	11	91
Rondineau	Sébastien	Tue	11:10	5A	JC Rolland	60
Saad	Hani	Tue	08:30	4B	11	25
Saad	Hani	Mon	17:20	3B	11	111
Saad	Hani	Mon	11:50	1B	11	112
Saha	Murari Mohan	Thu	08:50	10B	11	24
Salarieh	Bamdad	Thu	11:30	11A	A. Trenet	81
Salvador	João	Mon	13:45	2A	JC Rolland	87
Samarasekera	Udeesha	Mon	15:25	2B	11	46
Samarawickrama	Kasun	Wed	10:55	9A	JC Rolland	100
Santiago Ortega	Javier Arturo	Tue	14:45	6A	JC Rolland	36
Sarcinelli	Guilherme	Mon	16:20	3A	JC Rolland	56
Sartori	Carlos	Thu	10:30	11A	A. Trenet	2
Schäfer	Klaus-Martin	Tue	16:40	7B	11	39
Schroeder	Marco	Wed	08:50	8A	JC Rolland	8
Schwanka Trevisan	Aramis	Wed	08:50	8B	11	80
Sekioka	Shozo	Tue	10:30	5A	JC Rolland	51
Sekioka	Shozo	Tue	12:10	5A	JC Rolland	66
Selin	Eric	Tue	09:50	4A	JC Rolland	95
Shafieipour	Mohammad	Mon	17:20	3A	JC Rolland	41
Shafieipour	Mohammad	Mon	11:30	1A	JC Rolland	130
Shafieipour	Mohammad	Mon	11:50	1A	JC Rolland	151
Shen	Chen	Tue	11:30	5B	11	82
Sheshyekani	Keyhan	Wed	10:15	9A	JC Rolland	10
Shi	Xianghua	Tue	09:50	4B	11	85
Shum	Wah	Tue	15:05	6A	JC Rolland	9

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Sikorski	Tomasz	Tue	14:45	6B	11	89
Silva	Alex C.	Mon	10:50	1A	JC Rolland	21
Silva	Ricardo	Tue	11:10	5B	11	149
Sixel	Davi	Mon	16:20	3A	JC Rolland	56
Škarica	Dalibor	Mon	14:45	2A	JC Rolland	69
Song	Jin-Sol	Mon	17:40	3A	JC Rolland	61
Song	Yankan	Tue	11:30	5B	11	82
Sousa Ferreira	Rodrigo	Mon	17:00	3A	JC Rolland	64
Stepanov	Anton	Tue	08:30	4B	11	25
Stipetic	Nina	Mon	15:25	2A	JC Rolland	92
Strasbourg	Stéphan	Tue	09:30	4A	JC Rolland	45
Suriyah	Michael	Tue	16:40	7B	11	39
Taisne	Jean-Pierre	Wed	10:35	9B	11	44
Tara	Ehsan	Mon	15:25	2B	11	46
Tavares	Maria Cristina	Mon	14:05	2A	JC Rolland	15
Tavares	Maria Cristina	Tue	14:45	6A	JC Rolland	36
Tavares	Maria Cristina	Mon	17:00	3B	11	116
Tavares	Maria Cristina	Tue	08:50	4A	JC Rolland	127
Tavighi	Arash	Wed	09:30	8A	JC Rolland	38
Teeuwsen	Simon	Wed	08:30	8B	11	26
Telegin	Andrey	Tue	13:45	6A	JC Rolland	98
Terzija	Vladimir	Thu	09:50	10B	11	29
Tokic	Amir	Mon	15:25	2A	JC Rolland	92
Torres-Olguin	Raymundo	Thu	08:50	10B	11	24
Tossani	Fabio	Tue	11:30	5A	JC Rolland	101
Touré	Sellé	Tue	17:00	7B	11	47
Trbušić	Mislav	Mon	16:00	3A	JC Rolland	33
Tronchoni	Alex	Thu	12:10	11A	A. Trenet	142
Turcotte	Olivier	Tue	09:30	4A	JC Rolland	45
Uglesic	Ivo	Mon	15:25	2A	JC Rolland	92
Van Hulst	Bart	Mon	16:20	3B	11	145
Vasques	Carlos Magno	Mon	16:20	3A	JC Rolland	56
Vega Grijalva	Martin Gerardo	Wed	09:10	8A	JC Rolland	109
Velásquez	Juan	Wed	10:15	9B	11	96
Velitsikakis	Konstantinos	Mon	16:20	3B	11	145
Vernay	Yannick	Wed	10:35	9B	11	44
Villanueva-Ramirez	Juan M.	Mon	16:40	3A	JC Rolland	129
Villena-Ruiz	Raquel	Tue	16:00	7A	JC Rolland	70
Villena-Ruiz	Raquel	Tue	16:20	7A	JC Rolland	72
Wang	Weihua	Mon	11:10	1B	11	73
Wenig	Simon	Tue	16:40	7B	11	39
Wenig	Simon	Wed	10:15	9B	11	96

Last Name	First Name	Day	Time	Session	Hall	Paper ID
Wikström	Christian	Mon	11:50	1B	11	112
Xémard	Alain	Tue	09:50	4A	JC Rolland	95
Xémard	Alain	Tue	17:00	7B	11	47
Yamamoto	Kazuo	Mon	10:30	1A	JC Rolland	4
Yamamoto	Kazuo	Tue	10:30	5A	JC Rolland	51
Yamamoto	Kazuo	Tue	12:10	5A	JC Rolland	66
Yang	Zhongchao	Tue	16:20	7B	11	114
Yazdani	Mohammad	Mon	11:50	1B	11	112
Yu	Zhitong	Tue	11:30	5B	11	82
Zadkhast	Pouya	Tue	10:50	5B	11	65
Zhang	Fei	Mon	11:10	1B	11	73
Zhang	Haibo	Tue	09:30	4B	11	122
Zhang	Yi	Mon	15:25	2B	11	46
Zhang	Yong	Tue	16:20	7B	11	114
Zhang	Zhi Jin	Thu	12:10	11B	11	37
Zhao	Huanfeng	Wed	11:15	9A	JC Rolland	115
Zhao	Huanfeng	Wed	10:35	9A	JC Rolland	117
Zheng	Shucheng	Mon	11:50	1A	JC Rolland	151
Zhu	Zhe	Mon	11:10	1B	11	73
Zou	Ming	Tue	15:05	6A	JC Rolland	9
Zuluaga Duque	Jean René	Wed	09:10	8A	JC Rolland	109

Papers Approved

ID	TITLE
1	Effect of De-tuned Filter Energization on Supply Voltage Quality for VSDs
2	Time-Domain Analysis of Surge Impedance Formulations based on Cylindrical Representation of 200 meters Tall Transmission Towers
4	Non-Uniform Lines – Review of the Theory and Measured / Simulation Examples
5	Impact Of De-Energization Of 33 kv Harmonic Filter On TRV Of Vacuum Circuit Breakers
6	A Reduced-Order Model of Full-Bridge Modular Multilevel Converter for the Analysis of Electromagnetic Transients
8	solution methods & algorithms
9	Implementation of remedial action schemes to mitigate temporary over voltage (TOV) - lessons learned
10	A Comparative Study of Fitting Techniques
11	Zero-missing phenomenon after fault clearing
12	HVDC Modelling Requirements for Transient Stability Analyses of Large HVDC-AC Grids
14	A Co-Simulation Based Parallel and Multistep Approach for Accelerating EMT Simulations
15	Transient behaviour of non-conventional multi-circuit power lines with different voltages levels at the same tower
18	Fault Location Using Sparse L1 Estimator and Phasor Measurement Units
21	Three-Phase Compact Distribution Line Transient Analysis Considering Different Line Models
22	A Transient Based Phase Selection Method for Transmission Line Protection
24	Analysis and evaluation of Intersystem Fault in a Hybrid AC/DC Power System and its impact on the Protection System
25	Spurious Power Generation in Arm Equivalent Model Variants of Modular Multilevel Converter
26	Modeling and Analysis of MMC-Based HVDC Effect on Subsynchronous Torsional Stability
28	Incremental Transient Energy Directional Comparison Protection Scheme using IEC-61869-9 Sampled-Values
29	Protection Function Assessment of Present Relays For Wind Generator Applications
30	Impact of Uncertainties on Resonant Overvoltages
31	Impact of the Frequency-Dependent Soil Electrical Properties on the Electromagnetic Field Propagation in Underground Cables
32	Surge-Transferred Overvoltages in Earthing/Auxiliary Transformers
33	Investigation of a Transferred Voltage Surge Distribution Within a Tertiary Winding of a Power Transformer
35	Efficient Task Allocation Algorithm for Parallel Real-Time EMT Simulation
36	Overvoltage Mitigation during Critical Three-Phase Faults on Half-Wavelength Transmission Lines
37	Transient Study of an Automata-Based Microgrid Supervisory Control
38	Discrete-Time Fourier Series to Simulate Transient Overvoltages in Power Systems
39	Overvoltage Characteristics of Symmetrical Monopolar HB MMC-HVDC Links comprising Long Cable Systems
40	Novel Voltage Source Type Synchronous Machine Model for Nodal Analysis Based Simulations
41	Principle of Duality with Normalized Core Concept for Modeling Multi-Limb Transformers
43	Full-Wave Modeling of Grounding System: Evaluation The Effects of Multi-Layer Soil and Length of Electrode on Ground Potential Rise
44	Study and measurement of harmonics emission for the HVDC-LCC French station IFA2000
45	Delayed Current Zero Crossing Issue in Static VAR Compensator SF6 Circuit Breakers
46	Real-Time Closed-Loop Traveling-Wave Relay Testing (TWRT) in the Environment of Multi-Machine AC Power Systems
47	Effect of the Surge Arrester Configuration in MMC-HVDC Systems under DC and Converter Fault Conditions

49	Power System Test Cases for EMT-type Simulation Studies
50	Simultaneous DC and AC Simulation of GMD Impacts in a Power System
51	FDTD Analysis of Distribution Line Voltages Induced by Non-Vertical Lightning
53	ESD-based Crowbar for Mitigating DC-link Variations in a DFIG-based WECS
54	Half-Bridge and H-Bridge Equivalent MMC Models for EMT Simulation
56	Black-Box Modeling of Power Transformers at High Frequencies
57	Partitioned Fitting and DC Correction in Transmission Line/Cable Models
58	Using the Differentiator-Smoother Filter to Analyze Traveling Waves on Transmission Lines: Fundamentals, Settings and Implementation
59	Traveling Wave-Based Hybrid Line Faulted Section Detection: A Practical Approach
60	Power Line Transient Interferences on a Nearby Pipeline Due to a Lightning Discharge
61	Determination method for zero sequence impedance of 3-limb core transformer
63	Comparative Analysis of Lightning Voltage Surge in Tall and Conventional Transmission Towers
64	End-Windings Modeling to Study Transient Voltage Distribution in Machine Stator Windings Using Finite Elements Method
65	Practical Challenges of Hybrid Simulations Interfacing with Real-Time Digital Simulators
66	Lightning Overvoltages in Windfarm considering Surge Characteristics of Grounding Resistance
68	An Investigation of Harmonic Induced Voltages on Medium-Voltage Cable Sheaths and Nearby Pipelines
69	Application of Line Surge Arresters on Transmission Lines in Croatian Power System
70	Electromagnetic Torque Transient Control System of a Generic DFIG Wind Turbine Model
72	Analysis of the Active and Reactive Power Transient Responses of a Generic Type 3 Wind Turbine Model
73	HIL Testing of an LCC-MMC Multi-terminal HVDC System in Various Operating Modes
74	Using an Iterative Approach to Mimic Real-Time Closed-Loop Simulation for Protection Testing
76	Châteauguay Interconnection SVC refurbishment: Real-Time Hardware-in-the-Loop Commissioning Study Experience
77	Real-Time Multi-Rate Electromagnetic Transient Simulation on Conventional CPUs
78	Optimizing Accuracy and Eliminating Numerical Oscillations for Transient Power System Simulations
79	Evaluation of the Energy Absorption Capability of MOSA Using a Wide-Range Model
80	Analysis of low frequency interactions between DFIG wind turbines and series compensated systems
81	Wideband EMT-Compatible Model for Grounding Electrodes Buried in Frequency Dependent Soil
82	Efficient Shifted Frequency Analysis for Power System in Symmetrical Component Domain
85	Dynamic Modeling and Simulation of a Multiport DC Hub with Closed Loop Control
86	Assessment of measures to improve cost-effectiveness, reliability and TRV risk management in Finnish series compensated system
87	Assessment of Distinct Tower Structures Impact on Transient Behavior of an Overhead Transmission Line
88	A Constant-Parameter Discretized State-Space Model of Saturable Induction Machines for Fixed Time-step Simulations
89	Finger print matching of Bewley's diagram and fault transients for single-ended fault location in HVDC
90	Preventing Collapses with a Supplementary Protection Scheme for the Colombia – Ecuador Interconnection
91	A Ferroresonance Case Study Involving a Series-Compensated Line in Sweden
92	Investigation of direct lightning strikes to wind turbine blades
95	Interruption of small medium voltage transformer current with a vacuum circuit breaker
96	Cost-effective Approach for On-line Measurement of Harmonics in Power Systems
97	Lightning Overvoltages Including Frequency-Dependent Soil Parameters in the Transmission Line Model
98	Resonant Overvoltages in the 35 kV Compensated Network under Single-Phase Short-Circuit Conditions in the 110 kV Supply Network
100	Investigation of Stability Issues introduced by Network Reduction in EMT Simulations

101	Calculation of Lightning Electromagnetic Fields Above a Lossy Ground for Statistical Appraisal of Induced Overvoltages
102	Stability studies with parameter uncertainties
106	Resonance Condition and Resultant Overvoltage Causing 400 kV Circuit Breaker Failure
109	Electromagnetic-Transient analysis in the Laplace-domain through the QD algorithm
111	Switching overvoltages studies for Live Working on the Uruguayan 500 kV transmission network
112	Real-time simulation with an industrial DCCB controller in a HVDC grid
114	The Research on the Transient Voltage & Reactive Power When Unlocking the Single Valve of UHVDC in Island Mode
115	Equivalency of State Space Models and EMT Companion Circuit Models
116	Behavior of the Single-Phase Auto-Reclosing in Half-Wavelength Transmission Line
117	Efficient Implementation of Frequency Dependent Network Equivalents using State Space Models of Cascaded Sub-Circuits
118	Time-Domain Relay Performance Evaluation Considering Brazilian Fault Cases
119	Going parametric in EMT studies: EDF methods and tools for input data uncertainties, sensitivity analysis and parameter identification
120	idTRAN, a transformer model for engineering studies with incomplete input data
121	Real-Time Hybrid Transient Stability and Electromagnetic Transient Simulation of Confederated Transmission-Distribution Power Grids
122	Electromagnetic Transients (EMT) Model Design based on Modular Multilevel Converter Mockup
124	Model Reference Adaptive Control for Squirrel-Cage Induction Generator-Based Wind Energy Conversion Systems
127	Method for Three-Phase Reclosing after Line-to-Ground Fault on Compensated Lines
129	Dielectric Design Optimization of Transformer Windings under Fast Front Excitation
130	On Combining Classical and Numerical Techniques for Extracting the Impedance and Admittance of Cables and Overhead Lines
134	Sensitivity Analysis of Traveling Wave-Based and Impedance-Based Fault Location Techniques
136	Experimental Test Bench for Traveling-Wave-Based Methods Evaluations
137	An Overview of the Transient Studies Required for HVAC Connected Offshore Wind Farms
138	Impact of Data Acquisition System on Impedance-based Fault Locators
142	Non-Homogeneous Media and Ionization Phenomenon Representation in Transient Studies: A TLM Model
143	Air-Insulated Substation – Comparison Between Two Lightning Model Approaches
144	Sensitivity Analysis of Impedance-Based Transmission Line Fault Location Algorithms
145	Challenges and Mitigations for the Energization of Large Offshore Grids in the Netherlands
148	Evaluation of Traveling Wave-Based Fault Location Methods Applied to HVDC Systems
149	Analysis of the Stability and Accuracy of Numerical Methods Applied to the Simulation of Electromagnetic Transients Involving Double Integration Steps
151	Rigorous Magneto-Quasi-Static Analysis of Overhead and Buried Multi-Conductor Transmission Lines in the Presence of Air-Soil Interface
152	Evaluation of a Controlled Switching Technique for Transmission Lines with Series Compensation
153	Dynamic Performance of VSC and LCC HVDC Converters in Parallel Operation

IPST 2019 Conference Venue

Conference Center



Have a nice IPST conference in Perpignan!