


Sunday, September 2nd

	MASTER CENTER 1ST FLOOR HALL
18.00-20.00	Registration
	MASTER CENTER RESTAURANT-1ST FLOOR
19.00-20.30	Welcome cocktail

Monday, September 3rd

8.15-9.00	Registration	
	HALL A	
9.00-9.15	Opening ceremony	
	Plenary session II Chair: Z. Lj. Petrović	
9.15-10.00	IL4: <i>Controlling plasma surface interactions when challenged by statistics and equilibrium</i> M. J. Kushner , MIPSE University of Michigan, USA	
10.00-10.45	IL2: <i>Nonequilibrium kinetics in CO₂ plasmas</i> V. Guerra , IST Universidade de Lisboa, Portugal	
10.45-11.15	Coffee break	
	Parallel session O1, HALL A Chair: J. E. Jones (Oral contributions 12'')	Parallel session O2, HALL B Chair: K. Hidaka (Oral contributions 12'')
11.15-11.27	A1 <i>The Effect of Lorentz Force on Nozzle-Arc Characteristics over</i> Sumedh Pawar and 	C1 <i>ICCD-imaging of a plasma glow during the prebreakdown stage of nanosecond discharges in different gases at both polarities of voltage</i> Victor Tarasenko , Dmitry Beloplotov, Mikhail Lomaev and Dmitry Sorokin
11.28-11.40	A2 <i>Calculation Model Development of PTFE Nozzle Ablated Mass and Pressure Changes in High-Voltage Circuit Breaker</i> Motohiro Sato , K. Horinouchi, S. Hiza, Y. Nakamura, Y. Yoshitomo, Y. Shimizu and Y. Yokomizu	C2 <i>Flashover of metallic-particle polluted insulators in compressed SF₆ under different voltage waveforms</i> Valeria Teppati , Martin Seeger, Torsten Votteler and Angelos Garyfallos
11.41-11.53	A6 <i>Determination of the Voltage Recovery Process for VSC HVDC Systems after transient Single-Pole to Ground Faults</i> Maximilian Stumpe , Armin Schnettler and Ankur Garg	C3 <i>Experimental Characterization and Modeling of the Dielectric Breakdown Strength for Technical Surfaces in F-gas Free High-Voltage Switchgear</i> Svetlana Gossmann, Bernhard Lutz, Andreas Geisler and Paul Gregor Nikolic

11.54-12.06	A8 <i>Study of simple substituted test method for evaluating protective ability of face shield against hazards of electric arcs</i> Shizue Furukawa , Tomo Tadokoro and Michiharu Ichikawa	C4 <i>Objectives and setup to study electrical breakdown in CO₂ as an alternative to SF₆</i> Siddharth Kumar and Tom Huiskamp
12.07-12.19	A9 <i>Enhanced Low Voltage DC Switching Using a Permanent a Magnet</i> John Shea	C5 <i>Breakdown phenomenon across mm-scale gap with thin cavity</i> Hiroyuki Iwabuchi , Yuya Nakaso and Tsutomu Oyama
12.20-12.32	A10 <i>Optical Emission Spectroscopy of Ablation-Dominated Arcs during High-Current Phase and around Current Zero</i> Klaus-Dieter Weltmann , Ralf Methling, Nicolas Götte, Sebastian Wetzeler and Dirk Uhrlandt	C9 <i>Discharges in alcohol vapours at low pressures</i> Jelena Sivoš , Nikola Škoro, Dragana Marić, Gordana Malović and Zoran Lj. Petrović
12.33-12.45	A11 <i>Evaporation-determined model for cathodic heating in GMA welding</i> Oleg Mokrov, Marek Simon , Alexander Schiebahn and Uwe Reisgen	C11 <i>Modeling of radio-frequency breakdown by a Monte Carlo technique</i> Marija Puač and Zoran Lj. Petrović
12.45-14.30	Lunch break	
	Parallel session O3, HALL A Chair: J. M. Bauchire (Oral contributions 12'')	Parallel session O4, HALL B Chair: M. Seeger (Oral contributions 12'')
14.30-14.42	G1 <i>Detachment of metallic microparticle from electrode erosion in high-voltage switch</i> Wei Zhong , Guoliang Zhang, Ao Xu and Xingwen Li	L2 <i>Mobility Measurement in Different Purities O₂ Using High-Pressure Ion Drift Tube</i> Yui Okuyama
14.43-14.55	G2 <i>Influence of polarity to plasma evolution characteristic in three-electrode gas spark gaps</i> Ao Xu , Lin Yang, Wei Zhong, Dazhi Jin and Lei Chen	L3 <i>Relation between third-order transport coefficient D₃ and α parameters</i> Satoru Kawaguchi , Kazuhiro Takahashi and Kohki Satoh
14.56-15.08	G3 <i>Comparative Studied of Rarefied Deuterium Z-pinch Plasma Shell Discharge by PIC and MHD Simulations</i> Cheng Ning , Zhixing Feng, X. Q. Zhang, Chuang Xue and B. W. Li	L5 <i>Calculation of rate constants of some chemical reactions of C5-PFK decomposition</i> Li Chen , Xingwen Li and Jiayu Xiong
15.09-15.21	G4 <i>Computer Simulation of B-Field Flux Concentrators for Rotary Arc Current Interruption</i> Leonid Shpanin , Gordon Jones and Joseph Spencer	L7 <i>Electron transport in strongly attaching gases in radio-frequency electric and magnetic fields</i> Jasmina Atic , Danko Bosnjakovic, Zoran Petrovic and Sasa Dujko

15.22-15.34	G5 <i>Multi-point Ignition Process induced by Microwave Discharge</i> Cheng Liu , Guixin Zhang, Hong Xie and Lei Deng	L8 <i>The influence of pressure dependent effects on the third order transport coefficients for electrons in gases</i> Ilija Simonovic , Zoran Petrovic, Ronald White, Danko Bosnjakovic and Sasa Dujko
15.35-15.47	G6 <i>Study on the Impacts of the Electrohydraulic Effect of Underwater Pulsed Corona Discharge</i> Yuxuan Liu, Hailong He, Jianan Wang, Yi Wu , Yifei Wu and Wei Huang	L6 <i>Thermophysical Properties and molecular electrostatic properties of C₅F₁₀O and C₄F₇N</i> Yi Wu, Chunlin Wang , Hao Sun and Zhixin Chen
15.48-16.00	G7 <i>Nanosecond pulsed discharge plasma for dry reforming of methane</i> Xiaoling Wang, Yuan Gao, Shuai Zhang , Hao Sun, Jie Li and Tao Shao	L9 <i>Transport properties of O₂⁺ ions in H₂O</i> Vladimir D. Stojanović , Jasmina V. Jovanović, Dragana Marić and Zoran Lj. Petrović
16.00-16.30	Coffee break	
	Parallel session O5, HALL A Chair: J. D. Yan (Oral contributions 12")	WS1, HALL B Dr. Saša Dujko, co-Chair Prof. Zoran Lj. Petrović, co-Chair
16.30-16.42	A28 <i>CFD Simulation of Multi-Component Flows in High Voltage Circuit Breaker Chambers</i> Sina Arabi , Jean-Yves Trepanier, Ricardo Camarero, Phillippe Robin-Jouan, Patrick Guiavarch and Tianbo Zhou	16.30-16.50 Ronald D. White <i>Self-consistent tests of cross-section sets for electron-biomolecule interactions using mixtures</i>
16.43-16.55	A14 <i>Experimental and simulative study on the influence of the electrical field distribution on the dielectric switching behavior of natural gases</i> Nicolas Götte , Marvin Bendig, Thomas Krampert, Paul Gregor Nikolic and Armin Schnettler	
16.56-17.08	A17 <i>Improvement of Fault Current Interrupting Arcing Horns for 77-kV Overhead Transmission Lines</i> Toshiya Ohtaka , Mikimasa Iwata, Hayato Awazu, Eiichi Nishikawa, Tatsuya Nakanishi and Minoru Uehara	16.50-17.10 Kohki Satoh <i>Electron transport analysis in Nitrogen at high E/N region</i>
17.09-17.21	A18 <i>Characteristics of Contact Erosion at Arc Initiation in Low Voltage Switches</i> Katsuki Hotta , Shinya Watanabe and Takashi Inaguchi	

<p>17.22-17.34</p>	<p>A15 <i>Last development results for 170kV circuit-breaker project using g3 gas</i> Philippe Robin-Jouan, Jung Hae Eun, Oh Kwang Keun, Kim Young-Geun, Karim Bousoltane, Maxime Perret, Jean-Yves Trépanier and Sina Arabi</p>	<p>17.10-17.30</p>	<p>Thomas Hammer Evaluation of dielectric strengths of fluoro-organic compounds buffered with nitrogen and carbon dioxide for use in HV-applications</p>
<p>17.35-17.47</p>	<p>A13 <i>CFD simulation of a 3D featured electrical arc configuration in a 2D axisymmetrical simulation domain</i> Arkadz Petchanka and Frank Reichert</p>	<p>17.30-17.50</p>	<p>Danko Bošnjaković <i>Fluid modeling of resistive plate chambers</i></p>
<p>17.48-18.00</p>	<p>A3 <i>Investigations on the Switching Capability of Medium Voltage Load Break Switches in an Alternative Quenching Gas</i> Marvin Bendig, Nicolas Götte, Thomas Krampert, Armin Schnettler, Achim Kalter and Martin Schaak</p>	<p>17.50-18.10</p>	<p>Discussion</p>
<p>18.01-18.13</p>	<p>A5 <i>Comparison of calculated transport properties with measurements in a wide pressure range</i> Tobias Runge, Steffen Franke, Sergey Gortschakow, Ralf Methling and Michael Kurrat</p>		

Tuesday, September 4th

Plenary session I2, HALL A Chair: K. Satoh			
9.00-9.45	<p>IL3: <i>Low temperature plasma surface interactions for their future basic researches and applications</i> K. Ishikawa, Department of Electronic and Electric Engineering Nagoya University, Japan</p>		
9.45-10.30	<p>IL8: <i>Laser spectroscopy on plasma liquid systems</i> S. Reuter, INP Greifswald, Germany</p>		
10.30-11.00	Coffee break		
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">Parallel session O6, HALL A Chair: Y. Wu (Oral contributions 12'')</td> <td style="width: 50%; text-align: center;">Parallel session O7, HALL B Chair: D. Hong (Oral contributions 12'')</td> </tr> </table>	Parallel session O6, HALL A Chair: Y. Wu (Oral contributions 12'')	Parallel session O7, HALL B Chair: D. Hong (Oral contributions 12'')
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11.00-11.12	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A7 <i>Simulation studies of high-intensity arcs for switching applications</i> Chayma Mohsni, Margarita Baeva, Sergey Gortschakow, Steffen Franke, Kamel Charrada and Zouhour Araoud</p> </td> <td style="width: 50%;"> <p>E1 <i>Volume Scaling in Production of Active Oxygen Species in an Asymmetrical Plasma Reactor</i> Kosta Spasic, Nevena Puac, Nikola Skoro, Gordana Malovic and Zoran Lj Petrovic</p> </td> </tr> </table>	<p>A7 <i>Simulation studies of high-intensity arcs for switching applications</i> Chayma Mohsni, Margarita Baeva, Sergey Gortschakow, Steffen Franke, Kamel Charrada and Zouhour Araoud</p>	<p>E1 <i>Volume Scaling in Production of Active Oxygen Species in an Asymmetrical Plasma Reactor</i> Kosta Spasic, Nevena Puac, Nikola Skoro, Gordana Malovic and Zoran Lj Petrovic</p>
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11.13-11.25	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A19 <i>Numerical Study on CO₂ Gas Circuit Breaker Using Semi-empirical Model for Radiative Energy Transfer</i> Tomoyuki Yoshino, Amane Majima, Toshiyuki Uchii, Tadashi Mori and Takayasu Fujino</p> </td> <td style="width: 50%;"> <p>E2 <i>Densities of active species in N₂/He reduced pressure afterglows</i> Jean Philippe Sarrette and André Ricard</p> </td> </tr> </table>	<p>A19 <i>Numerical Study on CO₂ Gas Circuit Breaker Using Semi-empirical Model for Radiative Energy Transfer</i> Tomoyuki Yoshino, Amane Majima, Toshiyuki Uchii, Tadashi Mori and Takayasu Fujino</p>	<p>E2 <i>Densities of active species in N₂/He reduced pressure afterglows</i> Jean Philippe Sarrette and André Ricard</p>
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11.26-11.38	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A20 <i>Relation between Dynamic Behaviors of Arc Jet and Input Power in a Non-Transferred DC Plasma Torch</i> Kei Maeshima, Hikaru Matsumoto, Hiroki Saito and Takayasu Fujino</p> </td> <td style="width: 50%;"> <p>E3 <i>Evolution of hollow cathode discharge observed with numerical simulation</i> Quan Zhou, Xinyu Hou, Xiaobing Zou and Xinxin Wang</p> </td> </tr> </table>	<p>A20 <i>Relation between Dynamic Behaviors of Arc Jet and Input Power in a Non-Transferred DC Plasma Torch</i> Kei Maeshima, Hikaru Matsumoto, Hiroki Saito and Takayasu Fujino</p>	<p>E3 <i>Evolution of hollow cathode discharge observed with numerical simulation</i> Quan Zhou, Xinyu Hou, Xiaobing Zou and Xinxin Wang</p>
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11.52-12.04	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A22 <i>Configuring the Test Current of Internal Arc Tests to replace SF₆ with Air in SF₆-Insulated Power Equipment</i> Masashi Kotari, Tomo Tadokoro, Shin-Ichi Tanaka and Mikimasa Iwata</p> </td> <td style="width: 50%;"> <p>E5 <i>Novel DC Arc Chute Design Using Laminated Splitter Plates</i> Zichi Zhang, Stefan Valdemarsson, Erik Johansson, Gunnar Johansson and Tobias Gentzell</p> </td> </tr> </table>	<p>A22 <i>Configuring the Test Current of Internal Arc Tests to replace SF₆ with Air in SF₆-Insulated Power Equipment</i> Masashi Kotari, Tomo Tadokoro, Shin-Ichi Tanaka and Mikimasa Iwata</p>	<p>E5 <i>Novel DC Arc Chute Design Using Laminated Splitter Plates</i> Zichi Zhang, Stefan Valdemarsson, Erik Johansson, Gunnar Johansson and Tobias Gentzell</p>
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12.05-12.17	<p>A24 <i>Dielectric properties of C5F10O and its mixtures with CO2 at the elevated temperature</i> Xiaoxue Guo, Jiayu Xiong and Xingwen Li</p>	<p>E6 <i>Studies of Hollow Cathode Discharges</i> Stephen Muhl and Argelia Perez</p>
12.18-12.30	<p>A4 <i>A Method to Determine the Rate of the Dielectric Recovery in a Medium Voltage Load Break Switch with a Free Burning Switching Arc</i> Marvin Bendig, Nicolas Götte, Thomas Krampert, Armin Schnettler, Achim Kalter, and Martin Schaak</p>	<p>F10 <i>A plasma-based process for treatment of highly electrically conductive solutions: reactor design challenges and degradation mechanisms</i> Chase Nau-Hix, Thomas Holsen and Selma Mededovic Thagard</p>
12.31-12.43	<p>A16 <i>Investigation on the adjunction of O2 in g3 and its impact on dielectric and breaking in high voltage circuit breaker</i> Karim Bousoltane, Yannick Kieffel, Louis Maksoud, Philippe Robin-Jouan, Daniel Vigouroux, Philippe Teulet and Damien Vancell</p>	<p>F8 <i>Effective Removal of Greenhouse Gases (CF4 and N2O) by Novel Plasma Catalysis System</i> Kuan Lun Pan and Moo Been Chang</p>
12.45-14.30	Lunch break	
	<p>Parallel session O8, HALL A Chair: P. Robin-Jouan (Oral contributions 12'')</p>	<p>Parallel session O9, HALL B Chair: K.-D. Weltmann (Oral contributions 12'')</p>
14.30-14.42	<p>J1 <i>Simulation of atmospheric discharges using the breakdown in air in pulse-repetitive mode</i> Victor Tarasenko, Victor Panarin, Victor Skakun and Eduard Sosnin</p>	<p>F1 <i>Rate equation analysis of reactive species in water produced by pulsed discharge plasma exposure</i> Kazuhiro Takahashi, Satoru Kawaguchi, Kohki Satoh, Hideki Kawaguchi, Igor Timoshkin, Martin Given and Scott MacGregor</p>
14.43-14.55	<p>J2 <i>The possible role of metastable molecules in explaining Ball Lightning.</i> John Lowke and Anthony Murphy</p>	<p>F4 <i>Correlation between ibuprofen degradation and generation of reactive species in a pulsed corona discharge above liquid</i> Florin Bilea, Monica Magureanu, Corina Bradu, Nicolae Bogdan Mandache and Vasile I. Parvulescu</p>
14.56-15.08	<p>J3 <i>3D computation of lightning stepped leader development with realistic cloud formation</i> Philippe Dessante</p>	<p>F5 <i>Low Pressure Amalgam Lamps for Industrial Exhaust Air Purification.</i> Alex Voronov and Alexander Peschl</p>

15.09-15.21	J4 <i>Concurrent laser-ablation and impulse discharges</i> Arturo Robledo-Martinez , A Garcia-Villarreal and R Velazquez-Garcia	F6 <i>Removal ofalachlor in a combined plasma-ozonation system</i> Niels Wardenier , Ineke Van Moer, Anton Nikiforov, Stijn Van Hulle and Christophe Leys
15.22-15.34	D3 <i>Electrical and Optical Investigation of Spark Discharges in Air and Water in a Sub-mm Gap - A Direct Comparison</i> Hans Höft , Tom Huiskamp and Manfred Kettlitz	F7 <i>Determination of high voltage gas phase plasma treatment on Listeria innocua ATCC 33092 cells. Are they really inactivated?</i> Višnja Stulić , Tomislava Vukušić, Anet Režek Jambrak and Zoran Herceg
15.35-15.47	D2 <i>Decomposition of Gaseous Dielectrics in Gas Insulated Switchgear (GIS) and Lines (GIL)</i> Thomas Hammer , Martin Ise, Robert Fleck, Florian Kessler, Thomas Rettenmaier and Wiebke Sarfert-Gast	F9 <i>Characterization of Plasma Generation Bubbles with a Plasma Gun</i> Audoïn Hamon , Claire Douat, Sébastien Dozias, Jean-Michel Pouvesle and Eric Robert
15.48-16.00	K4 <i>An investigation of dynamic erosion process of electrodes by high-speed imaging technique</i> Yi Wu, Yufei Cui , Mingzhe Rong, Hao Sun and Jiawei Duan	F11 <i>Influence of atmospheric pressure plasma jet parameters on decontamination of bacteria</i> Andrea Jurov , U. Cvelbar, Z. Lj. Petrović, N. Škoro, K. Spasić, M. Modič, N. Hojnik, D. Vujosevic, V. Vuksanović and M. Djurović
16.00-16.30	Coffee break	
	Parallel session O10, HALL A Chair: Y. Cressault (Oral contributions 12'')	WS2, HALL B Dr. Nevena Puač, co-Chair Prof. Zoran Lj.Petrović, co-Chair
16.30-16.42	A25 <i>Comparative Study on High-Current Arc Extinction Process under Air, CO2 and SF6 Gas Blasting Using Two-Dimensional Electron Density Visualisation System</i> Yuki Inada , Hiroyuki Nagai, Kumada Akiko, Hisatoshi Ikeda, Hidaka Kunihiro, Tomoyuki Nakano, Yu Tabata, Yasunori Tanaka and Mitsuaki Maeyama	16.30-16.50 Prof. Satoshi Hamaguchi , Center for Atomic and Molecular Technologies, Osaka University, Japan <i>Numerical simulation of reactions and transport of chemical species in water exposed to atmospheric pressure plasma</i>
16.43-16.55	A26 <i>Radiation of a nozzle-stabilized, high-current arc in air: measurements and calculations</i> Marley Becerra , Janne Nilsson and Steffen Franke	
16.56-17.08	A27 <i>Unified Transfer Matrix Evaluation of the Emission Current Density from Non-refractory Cathodes of Electric Arcs</i> Margarita Baeva	16.50-17.10 Dr. Matteo Gherardi , Department of Industrial Engineering (D.I.N.), Alma Mater Studiorum-Università di Bologna, Italy

<p>17.09-17.21</p>	<p>A29 <i>Measurement and simulation on pressure field in arc chamber of low voltage circuit breaker in different structures</i> Yujie Wang, Lijun Wang, Dan Wang and Shenli Jia</p>		<p><i>On the use of plasma activated water as plant defense enhancer</i></p>
<p>17.22-17.34</p>	<p>A30 <i>Analysis of the mechanical effect of high current impulse discharge arc</i> Jiaming Xiong, Lee Li, Hongyu Dai, Haibo Wu and Bin Yu</p>	<p>17.10-17.30</p>	<p>Dr. Selma Mededović Thagard, Department of Chemical and Biomolecular Engineering, Clarkson University, USA <i>Plasma within and contacting a liquid: which physical and chemical phenomena are important for a particular application</i></p>
<p>17.35-17.47</p>	<p>A35 <i>Two-dimensional Temperature Distribution of Air Arc Migrating to Iron Arc Runner</i> Taiga Nagata, Shigeyasu Matsuoka, Akiko Kumada, Kunihiro Hidaka, Shinya Watanabe and Kentaro Kokura</p>	<p>17.30-17.50</p>	<p>Dr. Goran Sretenović, Faculty of Physics, University of Belgrade, Serbia <i>Study of Plasma Jet Interaction with Liquid Target</i></p>
<p>17.48-18.00</p>	<p>A38 <i>Low-voltage arc plasma simulation in 3D with contact opening process</i> Jiawei Duan, Hao Sun, Mingzhe Rong, Yi Wu and Keyao Huang</p>	<p>17.50-18.10</p>	<p>Dr. Suzana Živković, Institute for Biological Research “Siniša Stanković”, University of Belgrade, Serbia <i>Morphological and physiological aspects of plasma treatment – induced changes in plant cells and tissues</i></p>
<p>18.01-18.13</p>	<p>A46 <i>Investigation of C₂ Swan Bands in Optical Emission and Absorption Spectroscopy of Ablation-Dominated Arcs</i> Ralf Methling, Nicolas Götte, Sebastian Wetzeler, Dirk Uhrlandt and Klaus-Dieter Weltmann</p>	<p>18.10-18.20</p>	<p>Discussion</p>
<p>18.14-18.26</p>	<p>M2 <i>Systems modeling of high-voltage gas-insulated circuit breakers</i> Jörg Lehmann, Christoph Reutlinger and Sami Kotilainen</p>		

Wednesday, September, 5th

Plenary session I3, HALL A Chair: J. W. Spencer	
9.00-9.45	IL1: <i>Numerical and experimental study of arc fault in aeronautical conditions</i> Prof. Jean-Marc Bauchire , GREMI Universite d'Orleans, France
9.45-10.30	IL6: <i>The verification of a computational model of arc motion using an arc imaging system</i> J.W. McBride , Faculty of Engineering and the Environment University of Southampton, UK
10.30-11.00	Coffee break
	Parallel session O11, HALL A Chair: J.E. Jones (Oral contributions 12'')
	Parallel session O12, HALL B Chair: Y. Wu (Oral contributions 12'')
11.00-11.12	A41 <i>Systematic investigation on radiation modeling errors</i> Roman Fuchs and Henrik Nordborg
11.13-11.25	A42 <i>Comparison of different models to calculate the composition of a multi-temperatures plasma of SF₆</i> Xavier Baumann , Yann Cressault, Philippe Teulet and Gabriel Vanhulle
11.26-11.38	A45 <i>Research on the transient characteristic of VFTO based on the improved Vlastos reigniting model of SF₆ gas discharge</i> Zhining Yang , Xixiu Wu, Chaoqun Li and Wenlong Pang
11.39-11.51	A48 <i>Rotary arc in load switch and its simulation using a three dimensional arc model</i> Jing Qiang , Joseph Yan, Duanlei Yuan, J Humphries and J.W Spencer
11.52-12.04	A49 <i>Effect of Applying Magnetic Field on Dynamic Behavior of Arc Jet Produced by A Non-transferred Direct-Current Plasma Torch</i> Takayasu Fujino , Hikaru Matsumoto, Kei Maeshima and Hiroki Saito
11.00-11.12	B1 <i>Electro-hydrodynamics simulation of ozone production in a multi pins to plane corona discharge reactor</i> Jean Philippe Sarrette , Olivier Ducasse and Olivier Eichwald
11.13-11.25	B2 <i>Study of charges deposited on dielectric by a surface DBD using 2D polarimetry technique coupled to discharge imaging measurement</i> Hervé Rabat , Fadi Zoubian and Dunpin Hong
11.26-11.38	B3 <i>Development of a plasma source to enhance atmospheric pressure spatial atomic layer deposition for silicon heterojunction solar cells application</i> Fadi Zoubian , Hervé Rabat, Olivier Aubry, Nicolas Dumuis, Sebastien Dozias and Dunpin Hong
11.39-11.51	B4 <i>Impact of N₂O admixture in N₂ on the characteristics of pulsed-driven DBDs at atmospheric pressure</i> Hans Höft , Manfred Kettlitz, Markus M. Becker and Ronny Brandenburg
11.52-12.04	B5 <i>Discharge Characteristics of Micrometer-scale Gap on Dielectrics upon Pulse Voltage Application</i> Hideki Ueno , Naoki Tani, Atsushi Nishio and Sho Okada

<p>12.05-12.17</p>	<p>A23 <i>Comparison of the Arc Characteristics and Arc Quenching Capabilities Between CO₂ and SF₆ in High-voltage Gas Circuit Breakers</i> Boya Zhang, Ze Guo, Xingwen Li, Li Chen, J. Y. Xiong and S. L. Jia</p>	<p>B9 <i>3D Streamer Simulation in a Point to Plane Configuration</i> Olivier Ducasse, Joseph Plewa and Olivier Eichwald</p>
<p>12.18-12.30</p>	<p>A12 <i>Arc Voltage Measurements of Ultrahigh-Pressure Nitrogen Arc in Cylindrical Tubes</i> Fahim Abid, Kaveh Niayesh, Nina Støa-Aanensen, Erik Jonsson and Magne Runde</p>	<p>B11 <i>Surface Flashover Characteristics of Insulator in SF₆/CF₄ Gas Mixture with DC Voltage</i> Xiaolong Li, Xin Lin, Miao Wen, Zhixuan Zhai and Mingzhi Yang</p>
<p>12.31-12.43</p>	<p>A50 <i>A coupled model of an LTE arc column and the cathode in high-pressure arc discharges</i> Diego Santos, Marina Lisnyak, Mario D. Cunha, Nelson A. Almeida and Mikhail S. Benilov</p>	<p>B10 <i>The influence of high-speed airflow on characteristics of nanosecond sliding surface discharge</i> Irina Mursenkova, Alexander Kuznetsov, Anton Sazonov and I. Znamenskaya</p>
<p>12.45-14.00</p>	<p>Lunch break</p>	
<p>14.00-21.00</p>	<p>Excursion</p>	

Thursday, September, 6th

Plenary session I4, HALL A Chair: S. Mededović Thagard	
9.00-9.45	IL7: <i>Simulation of subnanosecond discharges in high-pressure gases</i> G. V. Naidis , Joint Institute for High Temperatures, Russian Academy of Sciences, Russian Federation
9.45-10.30	IL10: <i>Low temperature plasmas: fundamental and biological applications</i> M. Yousfi , LAPLACE Université Paul Sabatier of Toulouse, France
10.30-11.00	Coffee break
	Parallel session O13, HALL A Chair: J.-Y. Trepanier (Oral contributions 12'')
	Parallel session O14, HALL B Chair: J. W. Spencer (Oral contributions 12'')
11.00-11.12	A31 <i>Chemically Non-equilibrium State in SF₆ Arc Plasmas due to Time Variation and Spatial Gradient in Temperature</i> Yasunori Tanaka and Takanori Iijima
11.13-11.25	A32 <i>Pressure dependence of optimized mean absorption coefficients</i> Petr Kloc , Vladimir Aubrecht and Milada Bartlova
11.26-11.38	A33 <i>Effects of Enclosure Wall Material Ablation on Arc's Voltage-Current-Characteristics</i> Mario Muermann , Henrik Nordborg, Michael Schueller and Alexander Chusov
11.39-11.51	A34 <i>Research on Characteristics of Series Arc Fault under Mechanical Vibration Condition</i> Lizhi Liu, Fengyi Guo , Yanli Liu, Peilong Wang and Shaolei Wang
11.52-12.04	A36 Residual Current in Separation Process of Brush and Commutator Segment of Direct Current Motor Immersed in Ethanol Takashi Fukutsuka , Yasunobu Yokomizu, Kazuya Oshima and Hiromitsu Asai
	D1 <i>Calculations of circuit interruption after Current Zero; Predictions of electron densities rather than temperatures.</i> John Lowke
	D5 <i>Preparation of hard carbon films by plasma-assisted chemical vapour deposition in the open atmospheric system</i> Hidetsugu Yagi , Shinji Yudate, Hideki Motomura and Jinno Masafumi
	D6 <i>Properties of CO₂/O₂ Gas Mixture as an Alternative Medium for Gas Circuit Breakers</i> Amane Majima , Toshiyuki Uchii, Takanori Yasuoka, Toru Inoue and Daniel Schiffbauer
	D7 <i>Study of a ns-pulsed argon plasma jet for the desorption of organic molecules deposited on a glass surface</i> Kristaq Gazeli , Thomas Vasquez, Sara Al Homsy, Gérard Bauville, Nicole Blin-Simiand, Blandine Bournonville, Michel Fleury, Olivier Neveu, Pascal Jeanney, Stéphane Pasquiers and Joao Santos Sousa
	D8 2D/3D Simulation of a Waveguide-Based Microwave Plasma Source Operated at Atmospheric Pressure for Deposition Applications Margarita Baeva , Rüdiger Foest, Frank Hempel, Detlef Loffhagen, Hardy Baiert and Tom Trautvetter

12.05-12.17	<p>A37 <i>Effect of optimized / non-optimized spectral intervals used for Mean Absorption Coefficients on the radiative transfer of clean air</i> Narjisse Kabbaj, Yann Cressault and Philippe Teulet</p>	<p>D9 <i>Metal Vapour in Tungsten Inert-Gas Welding: New Insights from Computational Modelling</i> Hunkwan Park, Anthony Murphy, Marcus Trautmann, Keigo Tanaka and Manabu Tanaka</p>
12.18-12.30	<p>A39 <i>Motion Characteristics of H₂-N₂ Mixed Gas Arc under High Pressure with Magnetic Field</i> Bowen Jia, Jianwen Wu and Yuan Jiang</p>	<p>D11 <i>Plasma Bullet Reflection from Metallic and Dielectric Targets</i> Natalia Babaeva and George Naidis</p>
12.31-12.43	<p>A40 <i>Analysis of arc parameters for Low voltage DC arc quenching process by using modified Mayr model</i> Kazuho Hasegawa, Akihiro Tsusaka, Toshiro Matsumura, Kazuto Yukita, Yasuyuki Goto, Atsushi Miyamoto, Hiroyuki Ito and Yasunobu Yokomizu</p>	<p>D12 <i>Modelling of Nozzle Ablation in Gas-blast Circuit Breakers considering its Accumulative Effect due to Geometric Variation</i> W. Wang, Xiaomin Zhao and J.D. Yan</p>
12.45-14.30	Lunch break	
	<p>Parallel session O15, HALL A Chair: A. B. Murphy (Oral contributions 12'')</p>	<p>Parallel session O16, HALL B Chair: D. Hong (Oral contributions 12'')</p>
14.30-14.42	<p>N2 <i>Additionally refined possibilities of plasma probe diagnostics</i> Valentin Riaby, Vladimir Savinov, Pavel Masherov and Valery Yakunin</p>	<p>C6 <i>On the Luminosity of a Field-Theoretic Model of Ball Lightning</i> James Jones</p>
14.43-14.55	<p>N4 <i>The emission of O I 777 triplet from laser-induced plasma and wall stabilized arc plasma</i> Arnaud Bultel, Vincent Morel, Bastien Pérès, Lazar Gavanski, Zoran Mijatovic and Stevica Djurovic</p>	<p>C7 <i>A particle simulation of subnanosecond breakdown in nitrogen filled gap</i> Dan Wang and Lijun Wang</p>
14.56-15.08	<p>N6 <i>Electric field measurements in the plume of a plasma jet: Comparison between two techniques</i> Xavier Damany, Goran Sretenovic, Vesna Kovačević, Ivan Krstić, Sébastien Dozias, Jean-Michel Pouvesle, Milorad Kuraica and Eric Robert</p>	<p>C8 <i>Numerical modelling of pre-breakdown discharges in a wide range of conditions</i> Nuno G. C. Ferreira, Diego Santos, Pedro G. C. Almeida, George V. Naidis and Mikhail S. Benilov</p>
15.09-15.21	<p>N8 <i>Switching characteristics of hybrid low voltage dc circuit breakers</i> Muhamet Alija, Michael Kurrat, Ernst-Dieter Wilkening and Tobias Kopp</p>	<p>C10 <i>Pulsed electrical discharge in water: from propagation modes to physical mechanisms</i> Cathy Rond, Jean-Michel Desse, Nicolas Fagnon, Xavier Aubert, Mine Er, Arlette Vega and Xavier Duten</p>

15.22-15.34	N9 <i>Acoustic monitoring of High Voltage Circuit Breakers for condition assessment</i> Taiwo Owoeye, Gordon Jones and Joseph Spencer	C12 <i>Detection of breakdown in radiofrequency fields</i> Jana Petrović, Antonije Djordjević, Marija Savić, Dragana Marić and Zoran Lj. Petrović
15.35-15.47	N1 <i>Arc voltage distribution measurement in a medium voltage ablation-dominated switch</i> Henning Taxt , Torjus Ramm Settendal and Kaveh Niayesh	C13 <i>SLF Interrupting i CO₂ Gas Circuit B</i> Seung-Jae Lee , H Kyu Kim
15.48-16.00	L1 <i>The rate coefficients of the slow atom-Rydberg atom collisions: alkali case</i> Vladimir A. Srećković, Milan S. Dimitrijević , Ljubinko M. Ignjatović, Nikolai N. Bezuglov and Andrei N. Klycharev	C14 <i>Study on characteristics of multi-needle-to-plate nanosecond-pulse diffuse discharge at atmospheric pressure</i> Zhuofan Li, Cheng Zhang, Jintao Qiu, Xiao Cheng, Ping Yan and Tao Shao
16.00-16.30	Coffee break	
	WS3, HALL A Dr. Yann Cressault, Chair	
16.30-16.50	Mikhail S. Benilov , Departamento de Fisica, Universidade da Madeira, Portugal <i>Recent advances in simulation of plasma-electrode interaction in arc discharges</i>	
16.50-17.10	Margarita Baeva , INP Greifswald, Germany <i>The bidirectional electrodes-plasma interaction as indispensable part of advanced arc plasma modelling</i>	
17.10-17.30	Yasunori Tanaka , Kanazawa Univ, Kakuma, Japan <i>Spallation occurrence from polyamide materials exposed by thermal plasma</i>	
17.30-17.50	Joseph D. Yan , Department of Electrical Engineering and Electronics, University of Liverpool, UK <i>Inclusion of nozzle dimensional change due to PTFE ablation in switching arc simulation</i>	
17.50-18.10	Simon Marek , RWTH Aachen, Aachen University, Germany <i>Evaporation-based model for plasma-cathode attachment in GMA welding</i>	
18.10-18.30	Philippe Robin-Jouan , ARC – Circuit Breaker & Bay Development, Grid Solutions, GE Power, France <i>Ablation modelling in High Voltage circuit-breakers: impact on the arc extinction</i>	
18.30-18.40	Discussion	
19.40	Transfer to GD 2018 conference banquet	
20.00-23.00	GD 2018 conference banquet	

CANCELLED

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Friday, September, 7th

Plenary session I5, HALL A Chair: A. B. Murphy	
9.00-9.45	IL5: <i>Basic data calculation and fundamental experiment for SF6-alternative gases</i> X. Li , State key laboratory of electrical insulation and power equipment Xi'an Jiaotong University, China
9.45-10.30	IL9: <i>Electric breakdown in high voltage gas circuit breakers</i> M. Seeger , ABB Schweiz AG, Switzerland
10.30-11.00	Coffee break
	Parallel session O17, HALL A Chair: A. Robledo-Martinez (Oral contributions 12")
	Parallel session O18, HALL B Chair: J. D. Yan (Oral contributions 12")
11.00-11.12	M1 <i>Electron swarm parameters of the hydrofluorocarbon HFC-227ea and its mixtures with N₂ and CO₂</i> Alise Chachereau and Christian Franck
11.13-11.25	M3 <i>Experimental Study on CuMo85 Contact Performance in DC 200-500V and Different Surrounding Atmospheres</i> Qingcheng Zhu, Yuan Liao, Lige Zhang, Wenxuan Liu, Zixun Liu, Zhenbiao Li , Xiaoping Bai, Makoto Hasegawa and Jingcheng Zou
11.26-11.38	M4 <i>Possible application of high voltage electrical discharge plasmas in fruit juice processing?</i> Tomislava Vukusic , Danijela Šeremet, Visnja Stulic, Anet Rezek Jambrak and Zoran Herceg
11.39-11.51	M5 <i>Influence of atmosphere, flux and polarity of the atmospheric plasma applied to Ag nanoparticle synthesis from aqueous solution</i> I.A. Gonçalves, J. O. Vitoriano, J. B. F.O. Barauna, A. Mota-Lima and C. Alves Jr.
11.52-12.04	M6 <i>Inactivation of colletotrichum brevisporum spores by direct and indirect action of cold atmospheric plasma</i> Isabely K.F. Costa, Jussier O. Vitoriano, Marciav.A. Saraiva, Andrea M.P. Negreiros, R. Sales Jr. and C. Alves Jr.
	D13 <i>Investigation of key plasma species on germination boosting of Mung bean</i> B. Liu , H. Yang, B. Honnorat, A. Rousseau
	B8 Plasma Jet Simulation in Helium-Air Mixture Farah Fawaz , Olivier Eichwald, Malika Benhenni and Mohammed Yousfi
	K4 RESCHEDULED: TUESDAY 08, 15.48-16.00
	D10 <i>Study of radiation trapping in a non-thermal plasma jet using a hybrid discretization scheme</i> Yuliya Strizhak, Dmitry Kalanov , Florian Sigener, Sergey Valin, Yuri Golubovskii and Sergey Gortschakow
	B13 <i>Influence of Metallic Particles on the Insulating Properties of Basin-Type Insulator</i> Miao Wen , Xin Lin, Xiaolong Li, Fan Ge, Wenjie Wang and Yaxiang Wang

12.05-12.17	A44 <i>Simulation of impulse arc discharge</i> Alexander Chusov , E. Rodikova, M. Muermann and R. Fuchs	N5 <i>Spatial distributions of excited atoms in the free-burning Argon arc: LAAS diagnostics</i> Dmitry Kalanov , Ruslan Kozakov, Aleksei Siasko, André Bösel, Yuri Golubovskii and Sergey Gortschakow
12.20-12.40	Closing ceremony	
12.40-14.15	Lunch break & Departures	