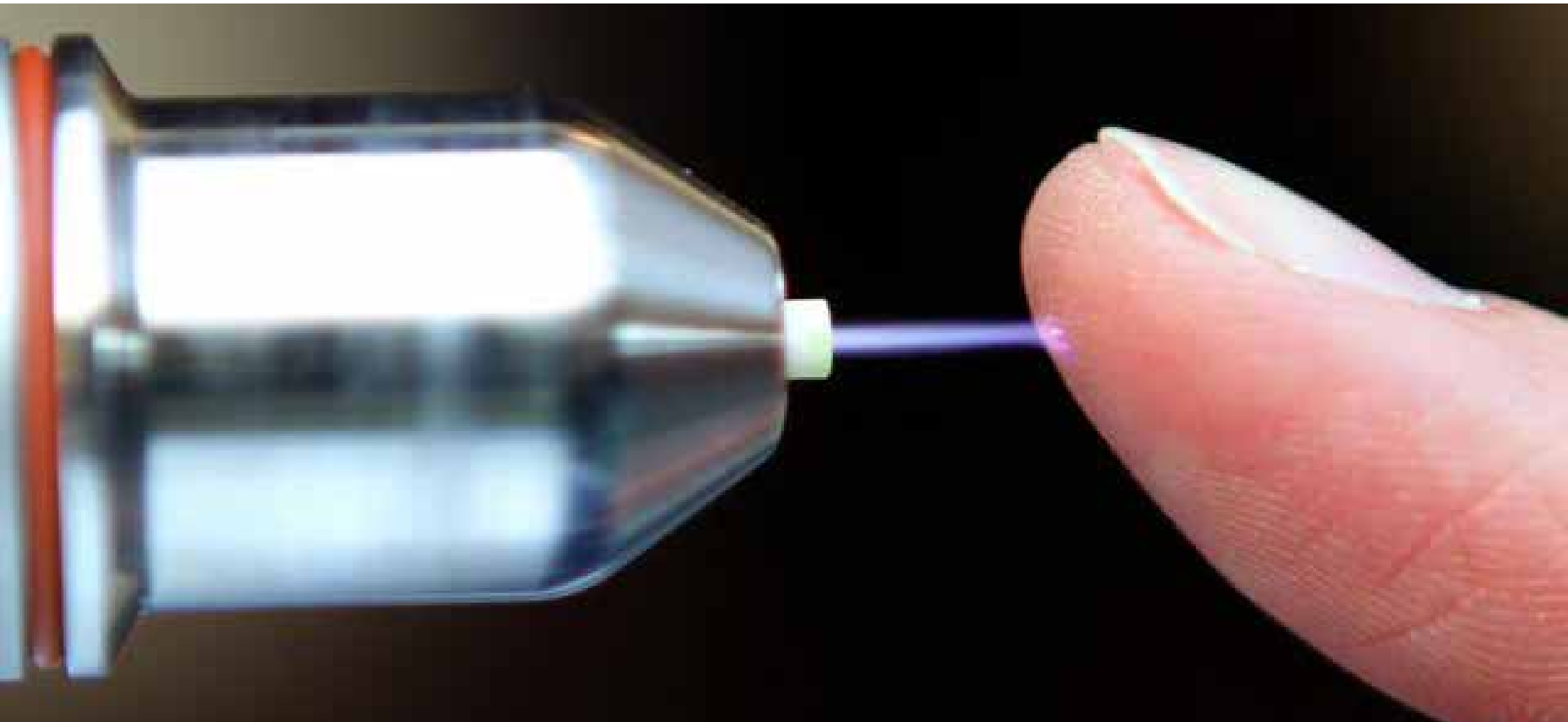


5th International Conference on

Plasma Chemistry and Plasma Processing

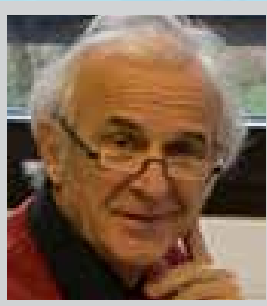
November 13-14, 2017

Paris, France



Theme: “An Ingenious Approach to Discover the Recent Developments and Advancements in the Field of Plasma Chemistry”

Previous Speakers



Michael W. Tausch
University of Wuppertal,
Germany



Jas Pal Badyal
Durham University, UK



Marat M. Khusniyarov
Friedrich-Alexander-University
of Erlangen-Nuremberg,
Germany



Jijeesh R Nair
Polytechnic University of Turin,
Italy



Urs Meier
Swiss Federal Laboratories
for Materials Science and
Technology, Switzerland



Yong-Hoon Cho
Korea Advanced Institute
of Science and Technology
(KAIST), Republic of Korea



Philippe Miele
University of Montpellier,
France



Mario Spector
National Technological
University, Argentina

Previous Speakers



S. Rajendran

Madurai Kamaraj University,
India



Fabrizio Guzzetta

Universitat Jaume I, Spain



Paul Pineda

University of Bayreuth,
Germany



**Beatriz A Pineda-
Contreras**

University of Bayreuth,
Germany



Brijith Thomas

Leiden University, Netherlands



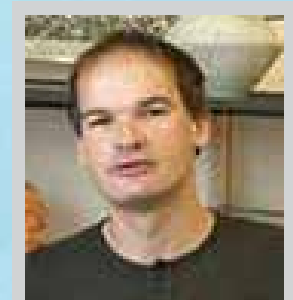
Włodzimierz Stanczyk

Polish Academy of Sciences,
Poland



Kimihisa Yamamoto

Tokyo Institute of Technology,
Japan



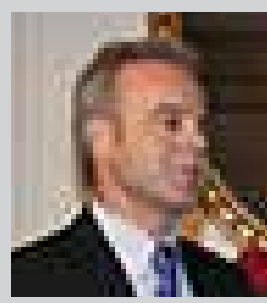
Bruno Bureau

Institut Universitaire de France,
France

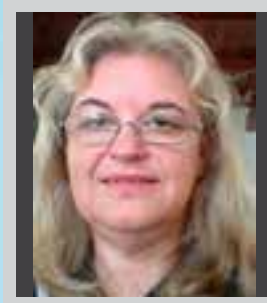
Previous Speakers



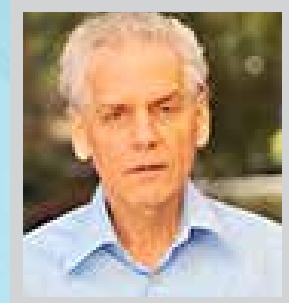
Antonio Joaquín Franco-Mariscal
University of Malaga, Spain



Elias Siores
Bolton University, UK



Elena Brandaleze
National Technological
University, Argentina



Reshef Tenne
Weizmann Institute, Israel



Der-Jang Liaw
National Taiwan University
of Science and Technology,
Taiwan



Michael W. Tausch
University of Wuppertal,
Germany



Ruben D. Costa
Friedrich-Alexander-Universität
Erlangen-Nürnberg, Germany



Marc Devocelle
Royal College of Surgeons in
Ireland (RCSI), Ireland

Previous Speakers



,Royal College of Surgeons in Ireland (RCSI) Ireland"



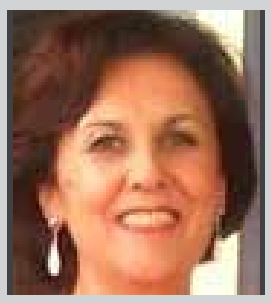
Martin Baumgarten
Max Planck Institute for Polymer Research, Germany



Jorge Teno Diaz
Carlos III University of Madrid, Spain



Werner Karl Schomburg
RWTH Aachen University, Germany



M. Gracia García-Martín
University of Seville, Spain



Yan Huang
Brunel University London
Institute of Materials and Manufacturing, United Kingdom



Yo Tanaka
Riken, Japan



Felix Jimenez-Villacorta
Materials Science Institute of Madrid (ICMM-CSIC), Spain

Previous Speakers



Abbas Saeed Hakeem
King Fahd University of
Petroleum & Minerals, Saudi
Arabia



Kenta Arima
Osaka University, Japan



Agne Swerin
SP Technical Research Institute
of Sweden – Chemistry,
Sweden



Johann G Meier
Itainnova Instituto Tecnológico
de Aragón, Spain

Conference Agenda, Monday - November 13, 2017

08:00-09:00	Registration		
09:00-09:15	Inaugural Address	09:15-09:45	Keynote/Plenary Talk 1
09:45-10:15	Keynote/Plenary Talk 2	10:15-10:45	Keynote/Plenary Talk 3

Panel Discussions/Group Photo

10:45-11:00 Coffee Break/Networking

	Room 1	Room 2	Room 3
11:00-12:00	Plasma Chemistry <i>(3 Speakers)</i>	Plasma Nanotechnologies <i>(3 Speakers)</i>	Workshop 1
12:00-13:00	Plasma Processing <i>(3 Speakers)</i>	Chemistry of Plasma with liquids <i>(3 Speakers)</i>	Workshop 2

13:00-14:00 Lunch Break

14:00-15:00	Plasma Spectrochemistry <i>(3 Speakers)</i>	Plasma Diagnostics <i>(3 Speakers)</i>	Workshop 3
15:00-16:00	Plasma Classification <i>(3 Speakers)</i>	Areas of Plasma Technology <i>(3 Speakers)</i>	Young Researchers Forum 1

16:00-16:20 Coffee Break/Networking

16:20-17:30	Plasma Physics and Controlled Fusion <i>(3 Speakers)</i>	Plasma Medicine and Plasma Biology <i>(3 Speakers)</i>	Young Researchers Forum 2
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Conference Agenda, Tuesday - November 14, 2017

08:00-09:15	Registration		09:15-09:45	Keynote/Plenary Talk 1
09:45-10:15	Keynote/Plenary Talk 2		10:15-10:45	Keynote/Plenary Talk 3
10:45-11:00 Coffee Break/Networking				
	Room 1	Room 2	Room 3	
11:00-12:00	Applied Plasma Technologies <i>(3 Speakers)</i>	Plasma Chemistry <i>(3 Speakers)</i>	Workshop 1	
12:00-13:00	Plasma Nanotechnologies <i>(3 Speakers)</i>	Plasma Processing <i>(3 Speakers)</i>	Workshop 2	
13:00-14:00 Lunch Break				
14:00-15:00	Chemistry of Plasma with liquids <i>(3 Speakers)</i>	Plasma Spectrochemistry <i>(3 Speakers)</i>	Young Researchers Forum 1	
15:00-16:00	Plasma Diagnostics <i>(3 Speakers)</i>	Plasma Classification <i>(3 Speakers)</i>	Young Researchers Forum 2	
16:00-16:20 Coffee Break/Networking				
16:20-17:30	Areas of Plasma Technology <i>(3 Speakers)</i>	Plasma Physics and Controlled Fusion <i>(3 Speakers)</i>	Poster Presentation	
17:30-18:00 Awards & Closing Ceremony				

Featured speaker Presentations



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Title: DBD Plasma Chemistries in aqueous solutions.

Hai- Feng Ji, Drexel University, USA

Title: Laser-Induced Plasma Spectroscopy for Applications in Analytical Chemistry.

Christian Parigger, University of Tennessee, USA

Title: RF Plasma: from R&D to Commercial Applications.

George Paskalov, Plasma Microsystem LLC, , USA

Title: Scalable Plasma chemical Deposition of Functional Nano coatings.

Jas Pal Badyal, Durham University, UK

Title: Transient Model of the Metallic Plasma and Neutral Gas Interaction in a Low-Pressure Arc.

Diego Fernando Devia Narváez, Colombia

Title: plasma cleaning of vacuum instruments using the Evactron RFHC air plasma tool

Ronald Vane, USA

Title: Molecular Dynamics Dynmics Simulations of Plasma-Surface and Plasma Chemistry processes

Pascal. Brault, Universite d'Orleans, France

Title: Remote plasma assisted vacuum deposition: A plasma approach for the development of advanced organic and hybrid multifunctional materials.

Francisco Javier Aparicio Rebollo, Instituto de Ciencia de Materiales de Sevilla, Spain

Title: Superior Functional Plasma Coating from Protonated Precursor Ions via the Plasma Transition

Solmaz Saboohi, University of South Australia, Australia

Title: Charge state and energy loss of argon ions in plasmas created From laser pulses

Manuel D. Barriga-Carrasco, Spain

Title: RF inductive antenna probe for plasma process monitoring.

Alan Howling, Swiss Plasma Center, Switzerland

Title Densities of active species in N2 RF and HF afterglows

Andre ricard, Université de Toulouse, France

Title: Pulsed laser ablation in liquids: what can we learn from the bubble diagnoses?

David Amans, University of Lyon, France

Title: High-quality graphene production from ethanol decomposition using a microwave plasma torch.

Maria Dolores Calzada, Universidad de Córdoba, Spain

Title: Self-Organization of Current Structures on Electrodes Of Glow and Arc Micro-Discharges at Atmospheric Pressure

Almaz Saifutdinov, Saint-Petersburg State University, Russia

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Featured speaker Presentations

Title: Development of Micro Plasma Spraying Technology for Applying of Biocompatible Coatings

Darya Alontseva, Kazakhstan State Technical University, Russia

Title: Mechanisms Of A Glow Discharge Polymerization

Vladislav Zyn, Samara State Pedagogical University, Russia

Title: Dynamic characteristics of the retrograde motion of an arc plasma torch under external magnetic field

Ming Hu, Tsinghua University

Title: New-route synthesis of TiO₂ nanorods and Sea-urchin like α -FeOOH based on gliding arc discharge for catalytic oxidation reactions

Elie ACAYANKA, University of Yaoundé, Cameroon

Title: Mid-infrared emission spectroscopy of laser generated carbon plasmas.

Laszlo Nemes, Research Center of Natural Sciences of the Hungarian Academy, Hungary

Title: Energy and Environment: Plasma Processes for Decarbonization

P. I. John, Institute for Plasma Research

Title: Cold Plasma Technology: Applications in Food Processing

Annasure U.S, Institute of Chemical Technology

Title: Dielectric Barrier Discharge Plasma Surface Modification of Polymers

Lalita Ledwani, Manipal University

Title: Development of micro plasma spraying technology for applying of biocompatible coatings

Darya Alontseva, Russia

Title: Surface Treatment of Polypropylene by Atmospheric Pressure Plasma Jet in Argon/Air

Deepak subedi, Kathmandu University

Title: Food industry waste energy recovery by thermal plasma process

Mario Garcia, Brazil

Title: New logic language paradigm in dentistry. Symmetry or not symmetry, that is the question

Naresh Kumar, University of Antwerp Campus Drie Eiken, Belgium

Title: The decomposition mechanisms of SF₆ and its candidate C₅F₁₀

Xiaohua Wang, Xi'an Jiaotong University

Title: DSMC SIMULATION OF HIGH MACH NUMBER TAYLOR-COUPETTE FLOW

Sahadev Pradhan, Institute of Science

Title: THIN FILM DEPOSITION USING RAREFIED GAS JET

Sahadev Pradhan, Institute of Science

*****Speaker Slots are Available*****

Featured speaker Presentations

Title: Glow Discharge Plasma Brazing of Ti-45Al-2Nb-2Mn-1B Titanium Aluminide with Ti-Ni-Cu alloys

Ahmad Reza Rastkar, Shahid Beheshti University

Title: Atmospheric Pressure Plasma Pencil as a Sterilization Source

Najeeb Rehman, COMSATS Institute of Information Technology

Title: The effect of splats morphology and post-treatment on the micro-structure of sprayed coating

Amirhossein Pakseresht

Title: Study on surface properties of modified polymer surface by DC glow discharge plasma

Gurusamy Shanmugavelayutham, bharathiar university coimbatore

Title: Characterization of Particle Growth in Co-generated Dusty Plasma

Jyotirmoy Pramanik, Kharagpur College

Title: Complete Abatement of Gas-phase VOCs via Dielectric Barrier Discharge Plasmas

Smrutiprava Das, Ravenshaw University

Title: Study on surface properties of modified polymer surface by DC glow discharge plasma

Arun Sarma, Advanced Sciences (SAS) VIT University

Title: Stationary and Moving Pattern formation in Surface Dielectric Barrier Discharge Plasma

Anand Kumar Srivastava, Birla Institute of Technology

Title: Ion-wake field effects on the dust-acoustic surface wave in a semi-bounded Lorentzian complex plasma

Young-Dae Jung, Hanyang University

Title: Efficient degradation of organic dyestuffs wastewater by liquid phase plasma synergy with Nano-material photo catalysis

Wanyuan Gui, University of Science and Technology

Title: Direct photoelectric conversion of the focused solar radiation on the base of low-temperature plasma

Nikolay Gorbunov, Admiral Makarov State University

Title: Cold Atmospheric Plasma

Shokri Babak, Shahid Beheshti University

Title: Theoretical Study Of Spherical Langmuir Probe In Maxwellian Plasma

Shankar Bhattarai, Tribhuvan University

*****Speaker Slots are Available*****

Note: This is only tentative scientific program, the final allotment of slots may subject to change

Conference Highlights:



- Applied Plasma Technologies
- Areas of plasma technology
- Chemistry of Plasma with liquids
- Plasma Chemistry
- Plasma classification
- Plasma Diagnostics
- Plasma Medicine and Plasma biology
- Plasma Physics and controlled fusion
- Plasma Processing
- Plasma Spectrochemistry
- Plasma Nanotechnologies
- Space Plasma

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Theme: An Ingenious Approach to Discover the Recent Developments and Advancements in the Field of Plasma Chemistry