



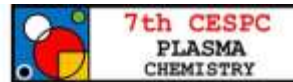
Prof. Zdenko Machala (Slovakia) during his invited talk on „*Plasma activated water: plasma-induced gas-phase and liquid-phase chemistry and applications in biomedicine and food processing*”





Institute of Physics

Institut za fiziku, Bijenička cesta 46, 10000 Zagreb



# Plasma activated water: plasma-induced gas-phase and liquid- phase chemistry and applications in biomedicine and food processing

<sup>1</sup> Zdenko Machala

<sup>1</sup>B. Tarabová, <sup>1</sup>Z. Kovaľová, <sup>1</sup>K. Kučerová, <sup>1</sup>M. Janda, <sup>1</sup>K. Hensel,

<sup>2</sup>F. Tampieri, <sup>2</sup>E. Marotta, <sup>2</sup>C. Paradisi,

<sup>3</sup>P. Brun, <sup>4</sup>E. Martines

<sup>1</sup>Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia

<sup>2</sup>Department of Chemical Sciences, University of Padova, Italy

<sup>3</sup>Department of Molecular Medicine, University of Padova, Italy

<sup>4</sup>Consorzio RFX, Padova, Italy





Prof. Selma Mededovic Thagard (US) during her invited talk on “*The plasma-liquid interface: which physicochemical processes are important?*”





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# The plasma-liquid interface: which physicochemical processes are important?



**Selma Mededovic Thagard**


Department of Chemical and Biomolecular Engineering  
Clarkson University  
Potsdam, NY, United States

7<sup>th</sup> Central European Symposium on Plasma Chemistry - CESPC7  
Sveti Martin na Muri, Croatia, September 3-7, 2017

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Dr. Nikola Škoro (Serbia) during his invited talk on “*Use of atmospheric pressure plasmas for decontamination of water containing organophosphates*”.



**Use of atmospheric pressure plasmas for decontamination of water containing organophosphates**

Nikola Škoro<sup>1</sup>, Nevena Puač<sup>1</sup>, Suzana Živković<sup>2</sup>, Uroš Cvelbar<sup>3</sup>, Gordana Malović<sup>1</sup> and Zoran Lj. Petrović<sup>1,4</sup>

<sup>1</sup>*Institute of Physics, University of Belgrade, Pregrevica 118, Belgrade, Serbia*  
<sup>2</sup>*Institute for Biological research “Siniša Stanković”, University of Belgrade, Bulevar despota Stefana 142, 11000 Belgrade, Serbia*  
<sup>3</sup>*Institute Jožef Štefan, Jamova cesta 37, 1000 Ljubljana, Slovenia*  
<sup>4</sup>*Serbian Academy of Sciences and Arts, Knez Mihailova 35, 11000 Belgrade, Serbia*

LABORATORY FOR GASEOUS ELECTRONICS  
INSTITUTE OF PHYSICS  
UNIVERSITY OF BELGRADE



Prof. Deborah O'Connell (UK) during her invited talk on “*Atmospheric pressure plasmas: Chemical kinetics at the plasma-liquid interface*”





Prof. Jens Olaf Pepke Pedersen during his invited talk on „*Ion chemistry in the atmosphere*”.

## **Ion chemistry in the atmosphere**

**Jens Olaf Pepke Pedersen  
Danish Technical University**



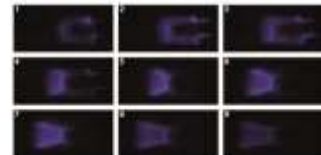


Dr. Joachim Francke (Germany) during his invited talk on „*Characterisation of Dielectric Barrier Discharges for analytical applications*”.



## CHARACTERISATION OF DIELECTRIC BARRIER DISCHARGES FOR ANALYTICAL APPLICATIONS

Klute FD, Schütz A, Brandt S, Veza D\*, Vadla C\*,  
Horvatic V\*, Franzke J

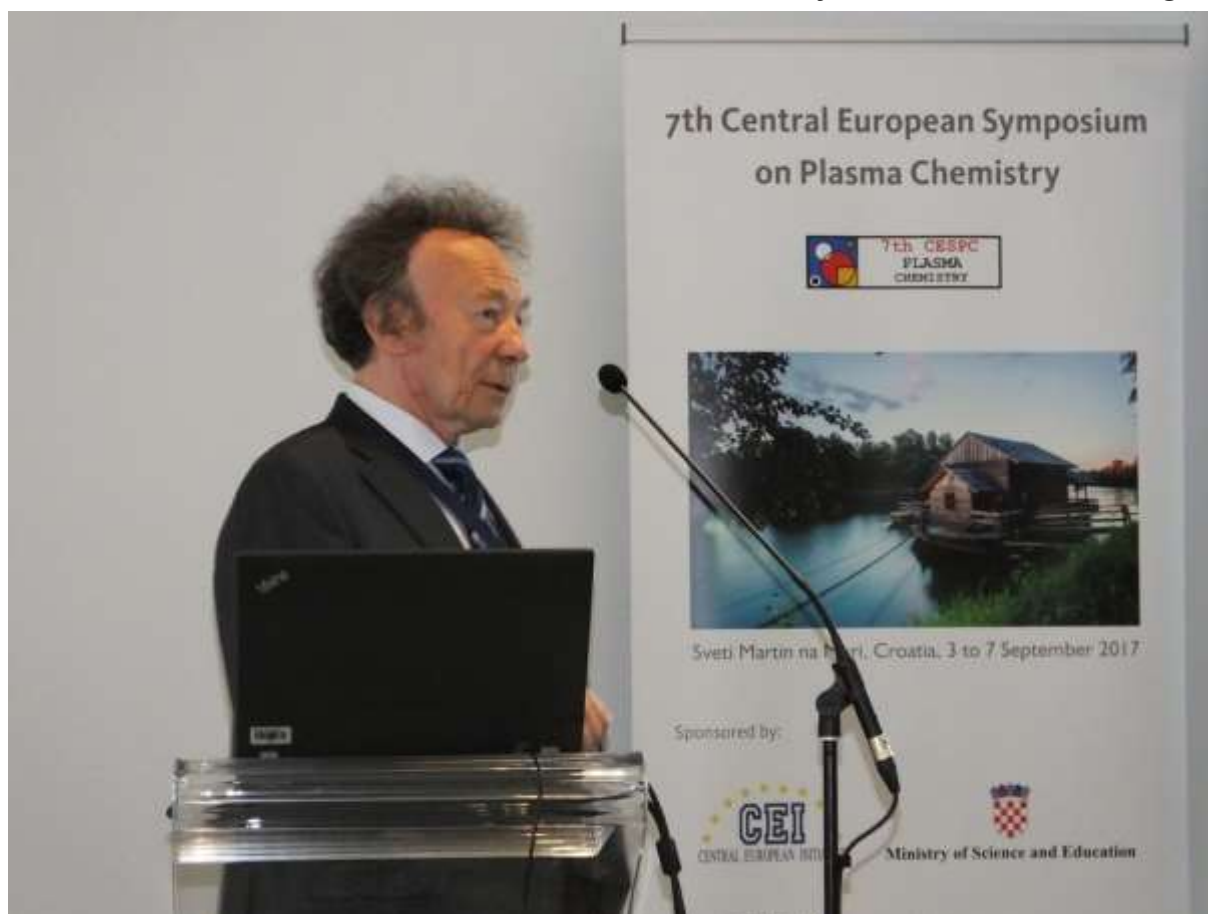


\*Institute of Physics, Bijenička 46, 10000 Zagreb  
\* Department of Physics, Faculty of Science, University of Zagreb





Prof. Francesco Fracassi during his invited talk on “*Surface processing with atmospheric pressure DBDs for environmental applications*”.



Prof. Yuri Akishev (Russia) during his invited talk on „*Research on the DC negative corona - The state of the art*”.

## **Research on the DC negative corona – The state of the art**

Yuri Akishev<sup>1,2</sup>, Vladimir Karalnik<sup>1</sup>, Jerzy Mizeraczyk<sup>3</sup>

<sup>1</sup>Troitsk Institute for Innovation and Thermonuclear Research,  
State Research Center of Russian Federation, Moscow, Troitsk,  
108840 Russia

<sup>2</sup>MEPhI National Research Nuclear University, Kashirskoe sh. 31,  
Moscow, 115409 Russia

<sup>3</sup>Department of Marine Electronics, Gdynia Maritime University,  
Morska 81-87, 81-225 Gdynia, Poland

E-mail [akishev@triniti.ru](mailto:akishev@triniti.ru)

The 7<sup>th</sup> Central European Symposium on Plasma Chemistry.  
Sv. Martin na Muri, Croatia, 3 - 7 September 2017.



Prof. Miles Turner (UK) during his invited talk on „*Modelling uncertainty in dry air chemistry*”.

## Errors and Uncertainty in Complex Plasma Chemistry Models

Miles M. Turner

Dublin City University, Ireland

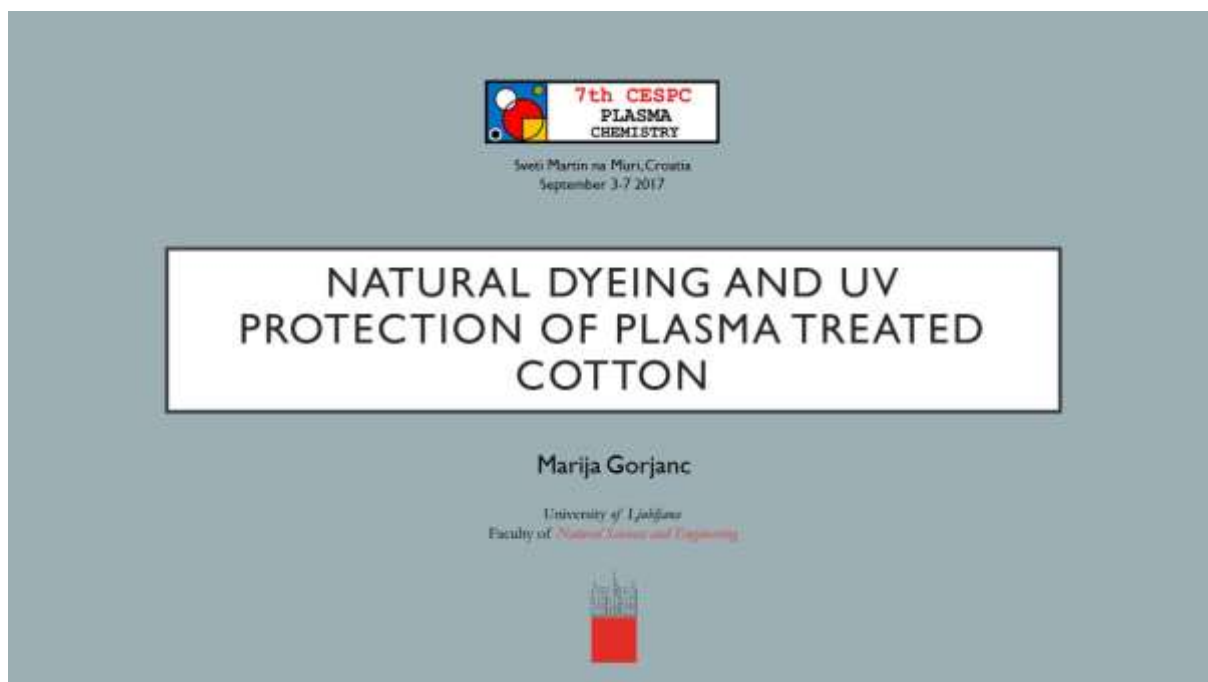


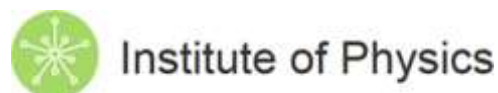
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Sveti Martin na Muri, Croatia, September 3-7, 2017

Work supported by Science Foundation Ireland under grant no. 08/SRC/11411 and COST Action-MP1101



Prof. Marija Gorjanc (Slovenia) during her invited talk on „*Natural dyeing and UV protection of plasma treated cotton*”.

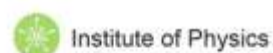




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CESPC7 opening ceremony on Monday 4 September: Dr. Slobodan Milošević, chair of CESPC7 local organizing committee.

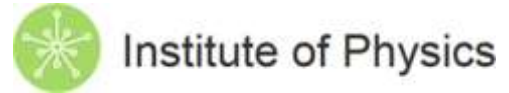


# 7th Central European Symposium on Plasma Chemistry

Sveti Martin na Muri, Croatia, 3rd to 7th September 2017



Technical organizer: PBZ CARD TRAVEL



Institut za fiziku, Bijenička cesta 46, 10000 Zagreb



CESPC7 opening ceremony on Monday 4 September: Prof. Jerzy Mizeraczyk , (Poland) on the behalf of the International Organising Committee.



CESPC7 Poster session on Monday September 4



CESPC7 Poster session on Wednesday September 6





CESPC7 discussions



CESPC7 on Monday September 4. Conference photo.



CESPC7, Tuesday September 5, the second group at excursion, at the nordest point of Croatia