EuroSciCon

# Atomic & Plasma Science

## July 16-17 2018

Prague, Czech Republic



Atomic & Plasma Science 2018

https://plasmaphysics.euroscicon.com/

# Day 1, Agenda

## General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

**Networking & Refreshments Break @ Foyer**

| | HALL 01 | HALL 02 | HALL 03 |
|---|---|---|---|
| 11:00 AM | Talks On: **Atomic & Plasma Science** | Talks On: **Atomic Physics** | Talks On: **Quantum Physics** |
| | Talks On: **Plasma Chemistry** | Talks On: **Nuclear Physics** | Talks On: **Condensed Matter Physics** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over: **Plasma in Laser** | Panel Over: **Nuclear Medicine** | Panel Over: **Higher Energy Physics** |
| | Workshop On: **Plasma in technology** | Workshop On: **Nuclear Cardiology** | Workshop On: **Mathematical Methods for Atomic & Plasma Science** |
| | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* |
| 04:00 PM | Talks On: **Plasma in Technology, Biology & Medicine** | Talks On: **Nuclear Chemistry** | Talks On: **Plasma Ignition** |
| | Lectures on: **Plasma Modeling, Generation & Diagnostics** | Lectures on: **Plasma in Astrophysics & Astronomy** | Lectures on: **Plasma Flow Control** |
| 06:00 PM | Session On: **Plasma Catalysis** | Session On: **Plasma Mining & Mineral Processing** | Session On: **Low Temperature & Dusty Plasmas** |
| | **NETWORKING** | **NETWORKING** | **NETWORKING** |

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# Day 2, Agenda

## General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

**Networking & Refreshments Break @ Foyer**

| | HALL 01 | HALL 02 | HALL 03 |
|---|---|---|---|
| 11:00 AM | Talks On: **Plasma Surface Interactions in Controlled Fusion** | Talks On: **Plasma Flow Dynamics** | Talks On: **Comparison between Plasma Ignition System & Conventional Ignition System** |
| | Talks On: **Plasma Theory & Simulation** | Talks On: **Plasma & Molecular Dynamics** | Talks On: **Electromagnetic Effects in High Beta Plasmas** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over: **Laser & Accelerator Technologies** | Panel Over: **Plasma Kinetics** | Panel Over: **Multi-Phase Plasmas** |
| | Workshop On: **Power Exhaust, Plasma Detachment and Heat Load Control** | Workshop On: **Translational Relaxation of Heavy Particles** | Workshop On: **Physical study on tokamak devices design** |
| | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** |
| 04:00 PM | Talks On: **Short-lived and Long-lived Plasmas** | Talks On: **Electric Propulsion** | Talks On: **Turbulence and transport in tokamak** |
| | Lectures on: **Medical applications like proton/ carbon therapy** | Lectures on: **Vibrational Relaxation of Molecules** | Lectures on: **Electromagnetic Effects in High Beta Plasmas** |
| 06:00 PM | Session On: **New Plasma Effects & Perspective Applications** | Session On: **Artificial Plasmas** | Session On: **Plasma Thermodynamics** |
| | **NETWORKING** | **NETWORKING** | **NETWORKING** |

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# Past Affiliates

**Newton Lee**
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**Leonel Antonio Toledo Díaz**
Barcelona Supercomputer Center, Spain

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**Yonghuai Liu**
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**Sunil Thankamushy**
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**Ismail Khalid Kazmi**
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**Tatjana Burzanović**
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Sao Paulo State University, Brazil

**Yann Savoye**
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**Jin Wang**
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**Inma Carpe**
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**Dr. Xianghua Xie**
Swansea University, UK

**Linh Dao**
University of Texas at Arlington, USA

**Dmitry Gaborak**
Insomniac Games, USA

**Henry Hexmoor**
Southern Illinois University, USA

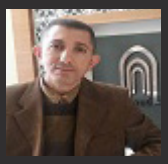
**Leonardo Sacht**
Federal University of Santa Catarina, Brazil

**Jiri Navrátil**
CESNET, Czech Republic

**David Novick**
The University of Texas, USA

**Michael J Zyda**
USC GamePipe Laboratory, USA

# Renowned Speakers



**Adel K. Mahmoud**

Professor, University of Diyala

Iraq



**Athina Meli**

Professor, University of Gent & University of Liege

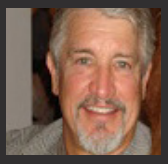
Belgium



**Eduard Sosin**

Professor,Institute of High Current Electronics

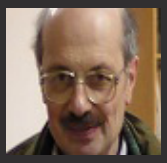
Russia



**T. Fulton Johns DDS**

Decathlon Dental

United States

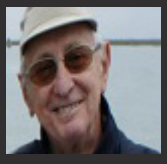


**George V. Naidis**

Professor, Joint Institute for High Temperatures of the

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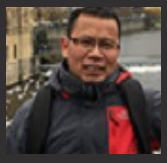
Russia



**László Nemes**

Professor, Hungarian Academy of Sciences

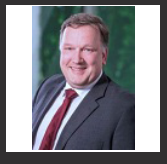
Hungary



**Wei Linsheng**

Nanchang University

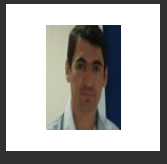
China



**Rainer Dahlmann**

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# City Attractions


CHARLES BRIDGE


Infant Jesus


Mala Strana


Old New Synagogue

# City Attractions

