

# Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

<b>[TB3] Plasma Sources and Technology III</b>	
<b>Date / Time</b>	January 19 (Tue.), 2021 / 14:30-16:10
<b>Place</b>	Channel B
<b>Session Chair(s)</b>	Li Wang (Ruhr-Univ. Bochum, Germany)

**[TB3-1]**

**14:30-14:50**

## **The Influence of Electron Inertia in Low Pressure Capacitively Coupled Plasmas**

Sebastian Wilczek<sup>1</sup>, Máté Vass<sup>2</sup>, Ralf Peter Brinkmann<sup>1</sup>, Thomas Mussenbrock<sup>1</sup>, Zoltán Donkó<sup>2</sup>, Trevor Lafleur<sup>3</sup>, and Julian Schulze<sup>1</sup>

<sup>1</sup>Ruhr Univ. Bochum, Germany, <sup>2</sup>Wigner Research Centre for Physics, Hungary, <sup>3</sup>PlasmaPotential-Physics Consulting and Research, Australia

**[TB3-2]**

**14:50-15:10**

## **Power-Coupling Mode-Change in a High-VHF (162MHz) Multi-Tile, Capacitively Coupled Plasma (CCP) Source**

Cleo Harvey<sup>1</sup>, Nishant Sirse<sup>2</sup>, Cezar Gaman<sup>1</sup>, and Bert Ellingboe<sup>1</sup>

<sup>1</sup>Dublin City Univ, Ireland, <sup>2</sup>Inst. of Engineering and Sci. IPS Academy, India

**[TB3-3] Invited**

**15:10-15:40**

## **Electron Heating and the Magnetic Asymmetry Effect in Magnetized Capacitively Coupled Radio-Frequency Plasmas**

Birk Berger, Moritz Oberberg, Li Wang, Dennis Engel, Christian Woelfel, Denis Eremin, Jan Lunze, Ralf Peter Brinkmann, Peter Awakowicz, and Julian Schulze

*Ruhr-Univ. Bochum, Germany*

**[TB3-4] Invited**

**15:40-16:10**

## **Resonance Phenomena in Radio-Frequency Plasma Sources: From Basic Physics to Technological Significance**

Thomas Mussenbrock

*Ruhr Univ. Bochum, Germany*