



Dielectric Barrier Discharge Plasma Actuators for Thermo-Fluid Dynamics Applications

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Message from the Guest Editors

In the current Special Issue, we aim to collect innovative experimental, numerical or theoretical studies on dielectric barrier discharge plasma actuators, including the physics behind their operation, thermal and/or aerodynamic performance improvements, new configurations and/or operation modes and novel possible applications. Additionally, we also welcome discussions of simultaneous ice prevention and flow control, ice sensing, development of durable dielectric materials for DBD, new experimental techniques or numerical methods for DBD analysis, etc.

- dielectric barrier discharge
- plasma actuators
- flow control
- heat transfer
- deicing
- ice sensing
- non-thermal plasma
- aeronautics
- wind power

