



International Symposium on Interdisciplinary Pulsed Power

Date : March 5, 2018 (Mon.) 9:00-12:00

Venue: Kurokami South Campus, Kumamoto University
Kurokami South W3 Bldg., Ground Floor Lecture Room
<http://ewww.kumamoto-u.ac.jp/en/about/access/campus/>

Scope

In recent years, merits of extremely energetic states or extremely non-equilibrium states produced by pulsed power technology have been appreciated scientifically, as a result, their applications are expanding in various directions. This symposium provides an opportunity to share the trends of cutting edge pulsed power research and technologies in some interesting fields, which are introduced by four world's distinguished researchers.

Program

9:00 **Opening Address: Prof. Sunao Katsuki** IPPS, Director

9:05 **Dr. Shu Xiao** Old Dominion University, USA
Ultrashort Electric Pulses for Electrostimulation

9:45 **Dr. Christian Gusbeth** Karlsruhe Institute of Technology, Germany
Bacterial Decontamination by Pulsed Electric Field Treatment: From Basic Research to Industrial Up-Scale

(Coffee Break)

10:35 **Dr. Nobuaki Kawai** IPPS, Kumamoto University
Mechanical Behavior of Materials Subjected to Shock Loading

11:05 **Prof. Konstantinos Kontis** University of Glasgow, UK
The Future High-Speed Transportation

11:50 **Closing**

Organized by Institute of Pulsed Power Science, Kumamoto University
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