



INTERNATIONAL MICROWAVE POWER INSTITUTE

IMPI's 57th Annual Microwave Power Symposium
27-29 June 2023, Denver, CO, USA

Special Session – Advances in RF and
Microwave Power Modeling Techniques

Call for Papers: Abstract Deadline 20 January 2023

The International Microwave Power Institute (IMPI) is the foremost forum for interchanging scientific and technological information on all non-communications applications of radio frequency (RF) and microwave power, i.e., using electromagnetic fields with frequencies from the kHz to the THz range. IMPI brings together scientists, engineers, technologists, managers, and entrepreneurs concerned with the generation and application of RF and microwave power, and with its use in various fields, including processing food and agricultural products, medical treatment, and facilitating chemical and materials processes.

IMPI's upcoming 57th symposium will include a special session on advances in RF and microwave power modeling techniques. We call for papers on using mechanistic and/or data-driven modeling approaches (e.g., multiphysics, machine learning, etc.) to understand, design, and optimize RF and microwave power processes and systems for various applications. Topics include, but are not limited to:

- Design and modeling of food processing,
- Microwave chemistry,
- RF and microwave heating and thawing,
- RF and microwave-assisted recycling processes and systems,
- Design and modeling of microwave applicators for medical treatment,
- Modelling of materials processing,
- Modelling of THz systems and processing,
- Energy harvesting systems.

Important Information:

- Abstract deadline: 20 Jan 2023
- Abstract length: 1-3 pages
- Download and use the abstract template at [IMPI-57-Word-Template.docx \(live.com\)](#)
- Use word *.doc or *.docx format
- Submit your abstracts to info@impi.org
- Fill out and send with your abstract the form at the end of this document
- Questions about the special modeling session?
Contact Jiajia Chen (Jiajia.chen@utk.edu)
- Full information about IMPI 57: [2023 Call for Papers IMPI57 Final.pdf](#)
- Other questions about IMPI 57? Interested in sponsoring or exhibiting at IMPI 57?
contact IMPI's Executive Director: molly.poisant@impi.org or +1 804 559 6667.

Special Session: Advances in RF and Microwave Power Modeling Techniques

Abstract Submission Form

CONTACT INFORMATION

Presenting Author's Name: _____

Organization: _____

Address: _____

Phone: _____ E-mail: _____

Paper Title:

Author(s):

Affiliation(s):

Will the paper be presented by a student participating in the student competition? Yes No

If your initial submission is a short version of your abstract, do you plan to submit an extended abstract (up to 3 pages) for publication in the Proceedings? Yes No