



IMPI'S 54TH ANNUAL MICROWAVE POWER SYMPOSIUM

The Premier Industry-Wide Microwave Power Event

2020 CALL FOR PAPERS

Submission Deadline: *January 15, 2020*

The International Microwave Power Institute invites scientists, engineers, industry professionals and users to submit papers in all areas of research, development, manufacture, engineering, specification and use of microwave and radio frequency energy systems for non-communication applications, including industrial microwave and RF, solid state, food technology, plasma, chemical, material processing, and new emerging technologies.

June 15-17, 2020

The DeSoto Hotel
Savannah, Georgia, USA



Presented by the

INTERNATIONAL MICROWAVE POWER INSTITUTE

PO Box 1140, Mechanicsville, VA 23111

Phone: +1 (804) 559 6667 • E-mail: info@impi.org

WWW.IMPI.ORG

Categories & Topics

IMPI 54 will bring together researchers, technologists, engineers and industry professionals from across the globe to share the latest research and developments in microwave and radio frequency power applications, including food technology, industrial applications, solid state, chemical, plasma, material processing and emerging technologies. Topics will include:

FUNDAMENTALS AND INDUSTRIAL APPLICATIONS

- Biomedical & Medical Applications
- Dielectric and other Material Properties
- Industrial High Power Equipment and Process Control
- Microwave Enhanced Chemistry
- Microwave Plasma
- Modeling, CAD and Optimization
- New (Non-Communication) Microwave Technologies
- Process Intensification with Microwaves and RF
- Solid State Microwave Technology
- Microwave Applications in the Mining Industry
- Material Handling and Scale Up

FOOD SCIENCE AND TECHNOLOGY

- Biological Applications
- Industrial RF & Microwave
- Processing of Food
- Microbiological Testing
- Microwavable Packaging
- Microwave Ovens: Design, Standards and Safety
- Product Validation
- Food & Agriculture
- Nutrition
- Trends in Microwave Cooking
- Food Safety Using Microwave Technology

WHO ATTENDS

The Symposium is an interactive and educational forum for scientists and professionals engaged in any of the topics listed above as well as:

- Microwave product and system manufacturers
- Food scientists and technologists involved with microwave processing
- Food safety regulators (e.g. from USDA & FDA)
- Consumer product managers
- Students in all fields associated with microwave energy

SYMPOSIUM STRUCTURE

IMPI 54 will offer an optional short course on the morning of Monday, June 15th with the official program kicking off with a Spotlight Session that afternoon. The Welcome Reception will take place on Monday evening. Plenary talks, special focus sessions, panel discussions, technical sessions with podium presentations and interactive poster sessions will take place Tuesday, June 16th and Wednesday, June 17th. Social events and coffee breaks, as well as the poster sessions and the exhibition (open throughout the Symposium) will provide attendees with many networking opportunities

over the course of the three-day event. Additionally, the Solid State RF Energy Section meeting will take place the day after the Symposium (Thursday, June 18th); all IMPI members are welcome to attend the Section meeting.

ABSTRACT SUBMISSION

The abstract must be of sufficient length to allow the Technical Program Committee (TPC) to judge the paper; lack of information in the abstract may lead to exclusion from the program. Abstracts should be a minimum of 2/3 of one page and a maximum of 3 pages. All abstract submissions must be in *.doc or *.docx format, and e-mailed to info@impi.org along with the submission form located on the last page of this document, and in Word format at <http://impi.org/symposium-short-courses>. E-mail notifications on acceptance/rejection and presentation mode (i.e. podium/poster) will be sent by February 14, 2020. The TPC may conditionally accept abstracts subject to specific revisions, or suggest improvements – in these cases the final extended abstract must be submitted no later than March 13, 2020. Authors must note on their initial submission if they intend to submit an extended abstract to be considered for the Proceedings.

TECHNICAL REVIEW AND SELECTION CRITERIA

All abstracts must be in acceptable English or they will be rejected without technical evaluation. Presentations will be accepted for the Symposium Program on the basis of the technical merit of the abstracts, including novelty, completeness of technical description, clarity of presentation, and relevance to the Symposium topic. The TPC will organize the accepted presentations into podium and poster sessions according to topics, Symposium constraints and the main interests of the attendees.

THE PROCEEDINGS

For inclusion in the Symposium Proceedings, the minimum length is 2/3 of one page and the maximum length of the extended abstracts is 3 pages. Inclusion in the Proceedings is subject to at least one of the authors' registration and proof of the author's intent to attend the Symposium. The Proceedings will be published electronically and will be provided free to registered attendees.

JMPEE PUBLICATION

Authors of accepted abstracts are encouraged to submit journal versions of their papers to the Journal of Microwave Power and Electromagnetic Energy. JMPEE will designate those papers as having been presented at IMPI-54. Full JMPEE submission instructions may be found at <http://jmpee.org/instructions-submission-manuscripts/>

STUDENT PARTICIPATION

Students are encouraged to participate in IMPI 54. Students may apply for a Student Travel Scholarship (\$500) which may be used towards registration, travel or accommodations. The number of scholarships varies from year to year; additional details will be added to the IMPI website in the coming weeks. All student participants are eligible to participate in our Student Paper Competition. Interested students should submit extended abstracts as described above and check the box on the abstract submission form to indicate that they want their paper to be considered in the competition. Students' abstracts will be evaluated for inclusion in the Symposium using the same standards and criteria as all contributed submissions. Of those accepted, the best podium talk and the best poster by an eligible student will be chosen for an award on the basis of content and presentation. For a paper to be eligible, the key author must have been a fulltime student during the time the work was performed and must present the paper at the Symposium.

If you have any questions or are interested in sponsoring or exhibiting at IMPI 54, contact IMPI's Executive Director: molly.poisant@impi.org or +1 804 559 6667.

2020 CALL FOR PAPERS

IMPORTANT DATES

January 15: Submissions Due

February 14: Acceptance Notices

March 13: Final Papers Due

June 15-17: Symposium



Technical Program Committee

Chairman

Graham Brodie, University of Melbourne, Australia

Members

Ulrich Erle, Nestle R&D, USA

Roger Williams, 3D RF Energy, USA

Vadim V. Yakovlev, Worcester Polytechnic Institute, USA

Raymond Boxman, Tel Aviv University, Israel

Marilena Radoiu, RTI Health + Wellness Solutions, Canada

Satoshi Horikoshi, Sophia University, Japan

Kama Huang, Sichuan University, China

John F. Gerling, Gerling Consulting Inc., USA

Juming Tang, Washington State University, USA

Mark Watts, Campbell Soup Company, USA

Yang Jaio, Shanghai Ocean University, China

Candice Ellison, LEIDOS, USA

Host City & Venue

Savannah, Georgia is a coastal city best known for its southern hospitality, lively riverfront and oak-lined streets. The city center is only 9 miles from Savannah/Hilton Head International Airport. For those looking to couple their business trip with a vacation, Savannah is only 20 minutes from Tybee Island, GA and 45 minute drive from Hilton Head Island, SC.

Overlooking Madison Square in the heart of Savannah's Historic District, The DeSoto is a treasured landmark blending the elegance, history, and charm of one of America's oldest cities with a generous dash of modern Southern hospitality. The hotel's prime location in the residential historic district, is just a short walk from the riverfronts' touristy bustle. The DeSoto boasts 246 newly renovated guest rooms, a lovely pool and on site restaurants.

IMPI attendees may book their room directly by [clicking here](#) to receive the \$159 per night special room rate. Hotel reservations are also available by phone at 1-800-239-5118, Group Code: IMP.

Solid State RF Energy Section Meeting

When planning your travel, please plan to stay through Thursday, June 18th to take part in the Solid State RF Energy Section Meeting.



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CALL FOR PAPERS 2020

Authors must complete and submit this Contact Information Form along with their Paper.

CONTACT INFORMATION

Presenting Author Name: _____

Organization: _____

Address: _____

Phone: _____ E-mail: _____

Paper Title: _____

Author(s): _____

Affiliations: _____

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

Do you plan to submit an extended abstract (up to 3 pages) for consideration in the Proceedings? Yes No