



# IMPI'S 49<sup>TH</sup> ANNUAL MICROWAVE POWER SYMPOSIUM

The Premier Industry-Wide Microwave Power Event

## 2015 CALL FOR PAPERS

The International Microwave Power Institute invites scientists, engineers, managers 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 food technology, chemical and material processing, and new emerging technologies.

**June 16-18, 2015**

Kona Kai Resort  
San Diego, California, USA

**Submission Deadline:  
EXTENDED to  
February 16, 2015**

Presented by the

**INTERNATIONAL MICROWAVE POWER INSTITUTE**

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# IMPI'S 49<sup>TH</sup> ANNUAL MICROWAVE POWER SYMPOSIUM

The International Microwave Power Institute's Annual Microwave Power Symposium is the major technology exchange forum for microwave and radio frequency specialists, engineers, scientists, product and process developers, and marketers. The Symposium is designed to benefit all delegates with its interactive sessions, panel discussions, podium presentations and a technical exhibition.

## WHO ATTENDS

The Symposium is an interactive and educational forum for:

- Microwave/RF energy practitioners, engineers and scientists engaged in:
  - Microwave-assisted chemistry
  - Microwave plasma
  - Microwave processing of materials
  - Measurement of material properties
  - Microwave/RF modeling and optimization including multiphysics
  - Microwave/RF heating and process control
  - Microwave processing of food and agricultural products
  - Other non-communications microwave and RF applications
- 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

The two-day Symposium program will consist of plenary talks, special focused sessions, panel discussions, technical sessions with podium presentations, interactive poster sessions, and a technical exhibition. 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.

## ABSTRACT SUBMISSION

PLEASE NOTE THAT THE IMPI 49 PROCEDURE DIFFERS FROM PREVIOUS YEARS.

The submissions must be in \*.doc or \*.docx format, and e-mailed to [info@impi.org](mailto: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 March 2, 2015. 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 30, 2015.

## 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 maximum length of the extended abstracts is 2 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 both in print and electronically and will be provided free to registered attendees; the print version will also be available for purchase through IMPI.

## 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-49. Full JMPEE submission instructions may be found at <http://jmpee.org/instructions-submission-manuscripts/>

## STUDENT PAPER COMPETITION

Students are encouraged to participate in the Student Paper Competition. Interested students should submit 2-page extended abstracts as described above, and check the box on the abstract submission form that they want their paper 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.

# 2015 CALL FOR PAPERS

## IMPORTANT DATES

February 16: Submissions Due  
March 2: Acceptance Notices  
March 30: Revisions Due  
June 16-18: Symposium

# CATEGORIES & TOPICS

## FUNDAMENTALS AND INDUSTRIAL APPLICATIONS

- Microwaves and Materials – Dielectrics & Metals
- Modeling, CAD and Optimization
- Industrial High Power Equipment and Process Control
- New (Non-Communication) Microwave Technologies
- Microwave Enhanced Chemistry
- Microwave Plasma
- Materials Properties

## TECHNICAL PROGRAM COMMITTEE

### Chair

Raymond Boxman, Tel Aviv University, Israel

### Co-chair

Ulrich Erle, Nestle R & D, USA

### Members

Kadir Aslan, Morgan State University, USA  
Vladimir Bilik, S-TEAM Lab, Slovakia  
Georgios Dimitrakis, University of Nottingham, UK  
John F. Gerling, GAE, Inc., USA  
Marilena Radoiu, SAIREM, France  
Bob Schiffmann, R.F. Schiffmann Associates, Inc., USA  
Yasunori Tanaka, Kanazawa University, Japan  
Vadim V. Yakovlev, Worcester Polytechnic Institute, USA

## FOOD SCIENCE AND TECHNOLOGY

- Product development and testing
- Product validation
- Microwavable packaging
- Microwave ovens: design, standards, safety
- Microbiological testing
- Industrial RF & microwave processing of food
- Biological applications

## FOOD SCIENCE AND TECHNOLOGY PROGRAM COMMITTEE

### Chair

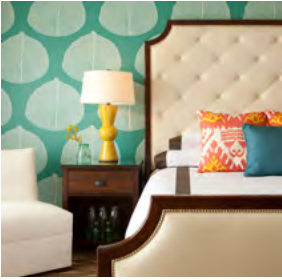
Jeyamkondan Subbiah, University of Nebraska-Lincoln, USA

### Members

Justin Balousek, Heinz, USA  
Corey Crooks, Graphic Packaging International, USA  
Sumeet Dhawan, Nestle R & D, USA  
Marie Jirsa, Hillshire Brands, USA  
Ric Gonzalez, ConAgra Foods, USA  
Shyam Sablani, Washington State University, USA  
K.P. Sandeep, N.C. State University, USA  
Juming Tang, Washington State University, USA  
Jane Walsh, General Mills, USA  
Mark Watts, Campbell Soup Company, USA

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# SYMPOSIUM LOCATION



IMPI 49 will be held at the beautiful Kona Kai Resort & Marina located on the tip of Shelter Island in San Diego, California. Just 3 ½ miles from the International airport, this 8-acre resort is 6 miles from SeaWorld and Seaport Village; historic Old Town and downtown San Diego are just 7 miles away. Kona Kai resort recently underwent a 25 million dollar renovation.

The resort has a fitness center, spa, private beach, onsite restaurant, swimming pool and tiki bar!

[IMPI has negotiated a special group rate of \\$149 per night](#) and the resort fee has been waived. This rate includes complimentary guest room internet access. Rooms will sell out quickly at this special group rate so make your reservation today.





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**CALL FOR PAPERS 2014**

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