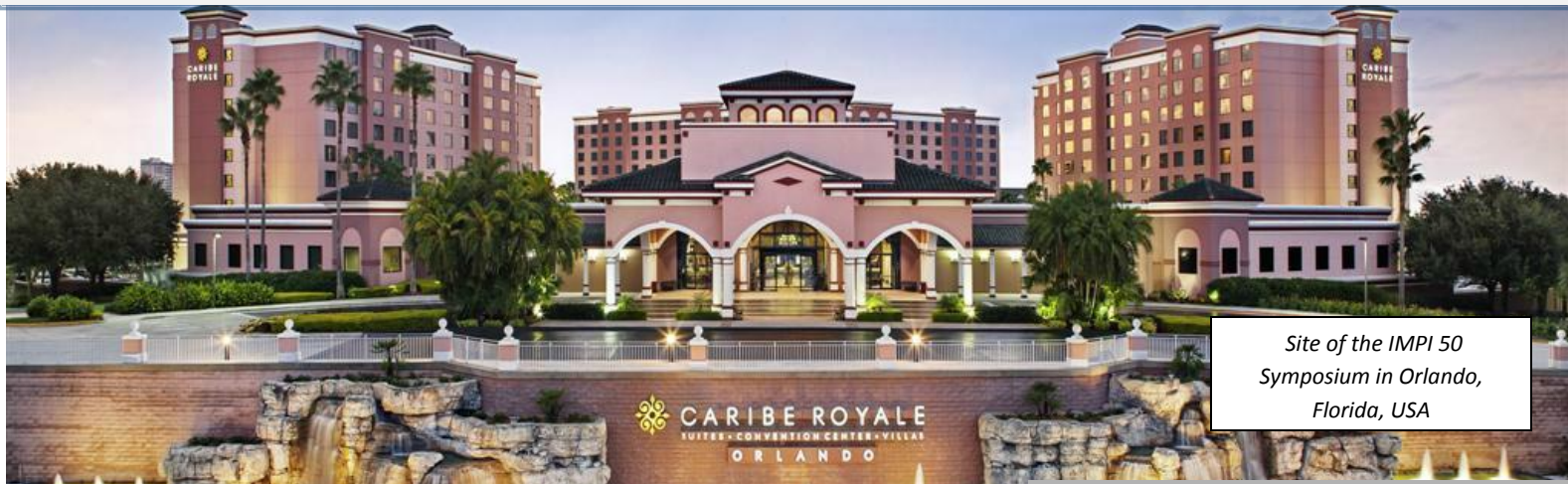


THE WAVE



The newsletter publication of the International Microwave Power Institute

November/December 2015



PRESIDENT'S MESSAGE

It's hard to believe, but 2015 is almost over and this is likely the last Newsletter you'll receive before the New Year. So let me take a few minutes to talk first about some recent events and then take a capsule snapshot of what coming up in 2016.

In October, almost 40 persons participated in IMPI's Fall Short Course, this time held in Pittsburgh and sponsored by Kraft Heinz. What stood out for me is the growing impact of "big data", the collection and interpretation of which has enormous impact upon gauging the likelihood of success of future activities. There were several talks that, at least in part, addressed this topic, but one "big" thing I learned from one of IMPI's most popular FSC speakers, Jack Li, is that big data needs careful examination and interpretation or incorrect conclusions may be drawn from it and it can easily lead you astray. In a fascinating presentation he talked about the influence of demographics such as of age, geographic location, and ethnic background in making the right decision, and at the same time the necessity of looking hard beneath the consumer responses to see what they actually mean. Having reviewed the audience's feedback with Molly, I can tell you that this event was a terrific success.

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CALL FOR PAPERS RELEASED - IMPI 50

The [Call for Papers for the 50th Annual Microwave Power Symposium](#) (IMPI 50) was released in early November. IMPI 50 will be held June 21-23, 2016 at the Caribe Royale All Suite Hotel and Convention Center, in Orlando, Florida, USA.

Dr. Ulrich Erle of Nestle and Dr. Kadir Aslan of Morgan State University are co-chairing the Technical Program Committee; Bob Schiffmann will chair the Food Science & Technology Program Committee.

Being that it is a landmark year for IMPI, both our Symposium and JMPEE are celebrating 50th anniversaries, the program for IMPI 50 has been extended to 3 full days.

We hope to see you in Orlando this June!

President Message Continued

Although not an IMPI event, I've also been invited to speak at the Japanese Microwave Society (JEMEA) conference in Tokyo last week (November 18) on the topic "IMPI and the Development of Microwave Heating". About 230 participants took part in this three-day meeting including about 100 presentations on days 2 & 3, plus the first day's presentations from invited speakers on topics such as microwave assisted chemistry, microwave generated plasmas, semiconductor microwave generators, and microwave laboratory systems for chemical synthesis.

As for 2016, this is an important year in IMPI's history since it will be our 50th anniversary time. While I am not a 1966 charter member of IMPI, I joined in 1967 and have been active in the Institute for almost all that time. We are planning some major events to celebrate IMPI 50 to be held in Orlando, Florida from June 21-23, 2016 at the Caribe Royale. We are inviting the leaders of the various international microwave power societies to celebrate with us. There will be an extra day at the beginning, free to all registered participants, filled with talks by some of the invitees, as well as other distinguished IMPI members on various topics, including IMPI's early history, as well as reports on the international activities in these different groups. I hope you'll be able to join us.

At the end of July, there will be a major meeting of the five leading microwave associations that form MAJIC: Microwave Working Group, AMPERE, the Japanese Microwave Society, IMPI, and the Chinese Microwave Society. This will be the third in a series of Global Microwave Conferences: 3GCMEA (Third Global Conference on Microwave Energy Applications) to be held in Cartagena Spain. We'll have more information about that as it becomes available.

Special thanks to Dr. John Osepchuk's for his Webinar presentation on "Magentrons for Microwave Power Applications" last week.

Another piece of good news: We have two new corporate members. Ferrite Microwave Technologies and PepsiCo have joined IMPI bringing our total number of Corporate Members to a record high of 11 - Welcome!

Before I sign off I want to talk about the word "High", as in "Heat for three minutes in the microwave oven on High" or similar instructions on various microwavable food products. "High" on a microwave oven means 100% power, and since all microwave ovens operate at 100% output unless otherwise programmed by the user, aren't manufacturers being redundant saying "high power" in their reheat instructions? For fun, take a look at your microwave oven settings, on the touchpad, and see if you can find the word "High". I know I can't find it anywhere on the 30 + ovens in my lab. So is it really necessary to say "High" in cooking or reheat instructions? What do you think and what could be used in its place?

Finally, let me take this opportunity to wish you all a very Happy Thanksgiving and a wonderful holiday season following it. I am looking forward to next year's milestone in IMPI's history and I hope you'll be there to celebrate with me,

Cheers,

Bob



The Journal of Microwave Power and Electromagnetic Energy Signs Management Agreement with U.K.-based Publisher Taylor and Francis

Big changes are coming for IMPI's peer-reviewed scientific journal, JMPEE. In November, IMPI completed negotiations and signed a deal which will hand over the management of JMPEE to world renowned publisher, Taylor and Francis.

Under this new arrangement, IMPI will maintain full editorial control of JMPEE. Dr. Juan Aguilar-Garib will remain onboard as Editor-In-Chief. Beginning with the first Issue of Volume 50 (release date March 30, 2016), Taylor and Francis will publish the Journal.

IMPI members will continue to have access to the current Volume of JMPEE and the full Archive as part on the member benefits package. Members should continue logging on via JMPEE.org for the timebeing. Once our new system is up and running, you will receive directions from T&F/IMPI implementation team on how to access the Journal.

IMPI's WEBINAR SERIES

Thank you to all of you who took part in our Spring and Fall Webinar Series during 2015. We offered 5 webinars, free of charge to IMPI Members in 2015, which included:

Microwave Oven Design (February 2015)

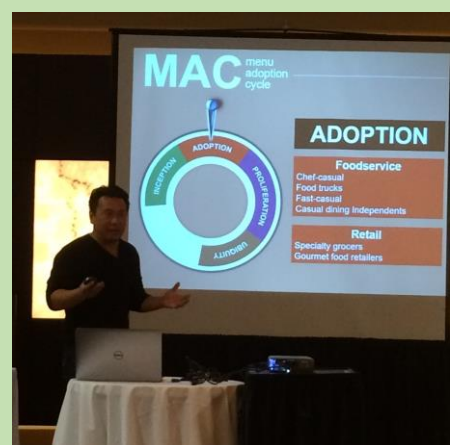
Microwave Safety (March 2015)

Validation Using the IEC Method (April 2015)

Microwave Component Configurations for Industrial Heating Systems (September 2015)

Magnetrons for Microwave Power Applications (November 2015)

We plan to offer five Webinars in 2016 as well. If you have a topic you would like us to cover, or a proposed speaker for a webinar, please send your suggestions to molly.poisant@impi.org by the middle of December for consideration.



Sharon Franke, The Good Housekeeping Institute; Joe Chiovera, XS Foodservice & Marketing; Jack Li, Datassential presenting to the 35 attendees at the Fall Short Course in Pittsburgh, PA, USA, October 27-29, 2015. The event was hosted by IMPI and sponsored by The Kraft Heinz Company, Washington State University, the USDA and PSC Inc.

Calendar of Events

TRAVELING WAVE TUBES, January 26-28, 2016. Please see www.gilmour-twts.com for more info.

MAGNETRONS AND CROSSED-FIELD AMPLIFIERS, February 16-18, 2016. Please see www.gilmour-cfas.com for information.

50th Annual Microwave Power Symposium, June 21-23, 2016, Caribe Royale Suites, Orlando, FL, USA: **Call for Papers now available** online at www.impi.org

3GCMEA, July 25-29, 2016, Cartegana, Spain. **Call for Papers now available** online at <http://cpcd.upct.es/3gcmea/>

Do you have an upcoming event for us to list here? Email molly.poisant@impi.org for inclusion.

News from Around the Web

World Microwave Oven Market Is Expected to Reach \$25.4 Billion by 2020, [Finds New Report](#)

New "tricorder" technology might be able to ["hear" tumors growing](#)

Niki Bezzant: [Myth of microwave](#) debunked

Examining the Role of [Food Safety During R&D](#)

MIT's New Microwave [Camera Can See Through Walls](#)



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