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In this issue

In this issue we are concentrating on the first Global Conference on Microwave Energy and Applications entitled GCMEA which was held during August in Japan.

Cristina Leonelli reflects on its proceedings and offers us a pictorial flavour of this important venue.

Further, we ought to congratulate Dr Motohiko Tanaka and Dr Lambert Feher on their innovator and pioneer awards respectfully presented to them at the GCMEA venue (see page 5).

Ricky Metaxas

Editor

St John's College Cambridge
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REFLECTIONS OF A "MAJIC"¹ PLACE



By Cristina Leonelli
Universita'
degli Studi di
Modena e
Reggio Emilia

A really warm atmosphere welcomed over 400 participants to the first Global Conference on Microwave Energy and Applications (GCMEA) in the magnificent tower Otsu Prince Hotel on the banks of Lake Biwa, in Otsu,

prefectural government of Shiga, Japan.

It was the 4th of August 2008 and 107 attendees of the short Course on Fundamental & novel Microwave heating technologies had already been busily at work since the early hours of morning.

The organization of the Conference was in the very capable hands of Prof. Y. Nikawa (Kokushikan Univ., Japan) General Chair and Motoyasu Sato (National Institute for Fusion Science (NIFS) Chair of Executive Committee, Japan) and their Local Organizing Committee who very expertly arranged the 15

¹ MAJIC stands for International Federation of Associations in the Field of Microwave and RF Power Engineering (<http://www.jemea.org/majic2008/index.html>)



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keynote speakers, the 125 oral presentations and more than 100 poster communications in

3 parallel sessions over the four days of the conference.



The opening Ceremony with organizers and invitees in traditional attire

The location was extremely picturesque and friendly with a nice swimming pool at the side of the lake and the old town of Kyoto only 10 minutes by train. But what made us very much at ease was the marvellous welcome received from the Japanese people ever since our flight landed in the country of the Rising Sun.

The technical sessions were well attended despite the early starting time at 8.00 am. The sessions were:

- Chemical synthesis
- Materials processing
- Biological, Medical and Environmental Applications
- Theory and measurements
- Systems and applications
- Industrial applications

As well as two workshops dedicated to “Science and Technology of Microwave-Induced, Thermally Non-Equilibrium Reaction Fields” and “Millimeter-wave and THz Technologies”, covering almost all the topics as the exhibitors did. In fact attendees could



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enjoy their coffee breaks while walking through the poster session and the exhibitor area where various industries showed their most up to date products.



The magnificent tower Otsu Hotel and a view of the surroundings from the top

A Japanese cuisine lunch gave us a welcome break from the morning sessions and the Japanese BBQ Restaurant beside the pool or the Japanese Cuisine Restaurant on the breathtaking 36th floor of the

tower were hosting the delegates for dinner.



Jean Paul Bernard sparkles with anticipation at such a gastronomic delight watched by a skeptical Lambert Feher

A special dinner was held on the evening of August 7 when the delegates of the five MAJIC associations plus the newly born Indian Microwave Association were asked to wear the good-luck yellow/blue kimono and use the ritual hammer to open the "welcome" sake barrels in front of the audience. An impressive carousel of food followed while the awards delivery ceremony was in progress.

All in all it was a very impressive conference and thanks ought to go not only to our Japanese colleagues but also to Bernie Krieger who had the original concept of such a meeting wishing to bring together different societies involved in microwave and RF heating.



Fireworks by lake Biwa



Peter Puschner and colleagues by the Puschner Microwave Power Systems exhibition stand

Prof.ssa Cristina Leonelli

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GCMEA AWARDS

The organisers of the World Congress in Otsu, Japan Prof. Y. Nikawa and Motoyasu Sato and their Committee decided to instigate two awards. Both awards will also be awarded at subsequent World Congresses.

The first award was the **GCMEA 2008 Rustum Roy Innovator Award** and the first recipient was Dr Motohiko Tanaka for his paper entitled:

“Theoretical Studies of Microwave Heating of Liquid and Solid Matters”

Dr Tanaka is with the National Institute for Fusion Science at Toki Japan. He was delighted to receive such a prestigious award. It is noted that the coauthors of the paper were also mentioned in the citation.

The second award was the **GCMEA 2008 Ricky Metaxas Pioneer Award**, and was awarded to Dr Lambert Feher of Institut für Hochleistungsimpuls- und Mikrowellentechnik for his paper entitled:

“The Quantum Nature of Microwave Heating, Processing and Effects in Discussion with Classical Electrodynamics”.



Dr Lambert Feher commented that it was an honour to receive such an award. A paper based on this work will be submitted to the IET (ex-IEE) in the UK and in particular their Science, Measurement and Technology Journal.

AMPERE's 12th International Conference in 2009 at Karlsruhe Germany-an update

As was announced in the previous issue of this Newsletter the 12th International AMPERE conference on Microwave and High Frequency Heating will be staged at Karlsruhe during Monday 7 to Thursday 10 September 2009. The conference will be held at the Forschungszentrum Karlsruhe.

A meeting took place at St John's College Cambridge during 16 July 2008 between myself and Lambert Feher to discuss the organization of the 2009 AMPERE conference and matters pertaining to a special resolution of members attending the GCMEA Congress in Japan during August 2008.

More on that resolution and the consequences for AMPERE EUROPE as a company registered in the UK will be discussed in issue 59 of this Newsletter due to appear in December 2008.



Ricky Metaxas and Lambert Feher at Cambridge during their meeting in July 08

Further, members of the Committee of Management of AMPERE visited Dr Feher at Karlsruhe during 22-23 September to discuss the organization of this conference and to view the venue and other facilities.

Dr Lambert Feher and his team at Karlsruhe will soon be drafting the organization and other details of this conference, details of which will be announced at subsequent issues of this Newsletter as well as on our website as well as on a dedicated conference website.



Industrial Drying of Heat Sensitive Materials

November 18-20, 2008
Director Bob Schiffman,
Amsterdam Marriot Hotel
Amsterdam, The Netherlands
For more information please
contact
Kim Berry at kberry@cfpa.com
or visit www.cfpa.com

61st Annual GASEOUS ELECTRONICS 08

14-17 October 2008
Dallas Addison Marritt Quorum
by the Gallerias Dallas Texas
For more information contact
Lawrence J Overzet
At overset@utdallas.edu or visit
www.utdallas.edu/gec

MEP 2008 A colloquium on Modelling for Electromagnetic Processing

Hannover Oct 27-28 2008
is organized by the Institute for
Electrothermal Processes of the
Leibniz University of Hannover and
the University of Latvia.

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<http://www.etp.uni-hannover.de/mep/index.htm>

EuMC2008 Amsterdam, the Netherlands 28-31 October The 38th European Microwave Conference (EuMC)

is the core of European Microwave
Week 2008, the largest event in
Europe dedicated to microwave
electronics.

For details visit:
www.eumweek.com

Microwave/flow chemistry conference 2009

Antigua Jan 28-31
C. Oliver Kappe
Chairman
Zing Conference on Microwave
and Flow Chemistry 2009.
Contact www.maos.net for
registration and other details.

PIERS 2009 Progress in Electromagnetics Research Symposium (PIERS) 23-27 March, 2009, Beijing, CHINA.

Call-for-Paper is available at
<http://piers.mit.edu/piers/>



AMPERE SUBSCRIPTION RATES

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