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## EDITORIAL

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In this issue we highlight the International AMPERE conference which was held in Oradea, Romania under the leadership of Marius Silaghi and his able staff. I would personally like to thank Marius and his staff, as well as the President, Jon Binner, Cristina Leonelli and David Sanchez for their magnificent work in assisting Marius and his local committee to bring to the fore another successful AMPERE conference.

The next conference in the series will be held in Belgium under the leadership of Koen Van Reusel.

Ricky Metaxas  
Newsletter Editor  
St John's College  
Cambridge CB2 1TP, UK

## HIGHLIGHTS OF THE 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON MICROWAVE AND HIGH FREQUENCY HEATING



**Ricky Metaxas,  
St John's College,  
Cambridge, UK.**

AMPERE staged its 11<sup>th</sup> international conference in Oradea, Romania, during 3-6 September 2007. The conference was held at the "Felix Spa" health resort situated near Oradea, which is a strong economic, social-political and cultural center to the North-Western side of Romania. The venue started as usual on Monday morning by a short course which was more than ably directed by Jose Catala and Paolo Veronesi.

The course contained the usual mix of the fundamentals of microwave and RF heating, dielectric properties, microwave applicators choice and design criteria, numerical modelling and a review of industrial applications. The delegates attending span industry and academe which ensured a broad range of discussions and questions to be raised.

On Monday evening a cocktail reception was held at the City Hall in Oradea attended by the Mayor of the City Most Honorable Filip Petre and in the presence of the present and past rectors of the University.



# HIGHLIGHTS OF THE 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON MICROWAVE AND HIGH FREQUENCY HEATING



Oradea the venue for the AMPERE conference



Delegates attending the short course



From left to right, Jeanine Roussi, Marie-Claude and Serge Lefevre, George Roussi, Therese and Walter Van Look at dinner after the drinks reception.



# HIGHLIGHTS OF THE 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON MICROWAVE AND HIGH FREQUENCY HEATING

Professor Marius Silaghi opened the proceedings and welcomed all present followed by short speeches by the guests. The importance of the university and the city of Oradea were emphasized in connection with the overall socio-economical development in the region. The formal presentations were rounded up by the President of AMPERE Professor Elias de los Reyes who too offered his best wishes to all the delegates and hoped for a successful meeting. After sampling many glasses of Romanian champagne the evening continued with dinner at the Continental hotel in Oradea where Professor Silaghi entertained the Committee of Management and other guests.



Our Italian colleagues

The conference proper started in the magnificent setting of the Aula Magna room at the University of Oradea where once again Professor Silaghi introduced his guests and chaired a Plenary dialogue on a SWOT analysis on RF and microwave heating. The aim of this SWOT (Strengths-Weaknesses-Opportunities and Threats) analysis was to introduce the subject to newcomers in the field and to focus on the challenges that our industry is facing, while pointing out at the very start that there are many routine applications which have enjoyed huge penetration in industry for many years.



AMPERE President Elias de los Reyes (2<sup>nd</sup> from rhs) and Marius Silaghi (far right) with their guests



Bob Schiffman and Jon Binner at the cocktail evening



The President and his guests at dinner



# HIGHLIGHTS OF THE 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON MICROWAVE AND HIGH FREQUENCY HEATING



Delegates at the Aula Magna room



Jean Paul Bernard and Ricky Metaxas during the discussion time

Myself together with my colleague Jean Paul Bernard had prepared some slides depicting the various points for discussion and we invited comments from the delegates present, amongst others Peter Puschner, Bob Schiffman, and Bernie Krieger, all of which have spent many years liaising with industry and sharing their experiences with all of us. Others in the audience, for example Professors Serge Lefevre and Walter Van Loock, as well as Martilena Radiu contributed to the ensuing discussions.



Marilena Radoiu making a point at the SWOT session



Professor Silaghi (second from left) and Professor de Los Reyes (on his left) sharing the platform at the Opening Ceremony.

Then back to the Termal hotel to start the plenary and the parallel sessions. Attendance in each session varied between twenty and fifty delegates. As usual the papers delivered were a mix of theory and practice and covered all areas of our activity, including safety and regulations, food processing, ceramics and glasses and electronics, modelling (three sessions), polymers, microwave effect, equipment design, waste remediation and dielectric properties.



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Eli and Iris Jerby, Vadim Yakovlev and Koen Van Reusel at the dinner after the Drinks reception

again the generosity of Marius Silaghi must be acknowledged.



Marius Silaghi and his guests



Peter Puschner (centre of the photo) contributes at the SWOT session



Marilena, Jean Paul and Cristina-a classic photo

The AMPERE OGA meeting took place on Tuesday afternoon and the new Committee of Management was announced. As there were 11 members standing and as many to fill the Committee there was no need to take a vote. The President then gave his report and a number of issues were discussed. Following the proceedings on Tuesday a dinner was organized at the La Conteles Dracula, a restaurant in the heart of the Transilvanian mountains about an hour's drive from Oradea. The delegates and their partners were welcomed by a splendid young musician playing his oboe followed by an evening of exquisite food, banter and songs both of local and international in flavour. Once

On Wednesday afternoon, after the morning parallel sessions, the delegates spent some time with numerous posters and their authors. This was arranged in the lobby of the Termal hotel and seeing personally many stands for myself I gathered that the session went down extremely well. What never stops to amaze me is the attention to detail some authors give to their posters while other posters present the scantiest of information. What is also worth noting particularly to organizers of the next conference is the absence of authors, who could not deliver their paper without notifying the organizers to enable the gaps to be adequately filled with







## NEWS, EVENTS

### CEM 2008

#### Seventh International Conference on Computation in Electromagnetics

7-10 April 2008, Quality Hotel, Brighton, UK

The Institution of Engineering and Technology

Michael Faraday House, Six Hills Way, Stevenage, Hertfordshire, SG1 2AY, UK

T: + 44 (0) 1483 765656

F: + 44 (0) 1483 765659

E-mail: [events1@theiet.org](mailto:events1@theiet.org)

### IMPI's 42nd Symposium

June 26-28, 2008

Chateau Sonesta, New Orleans, LA, USA for further details visit

<http://www.impi.org/Meetings/index.html>

### GCMEA 2008 MAJIC 1st

#### Global Congress on Microwave Energy Applications

Otsu Prince Hotel. Lake Biwa, Otsu, Japan, August 4-8 2008

Organised by the Japan Society of Electromagnetic Wave Applications

Chairperson Professor Nikawa Kokushikan University

Executive Committee Chairperson Prof M Sato NIFS

International Committee

Chairperson B Krieger Cober

Electronics USA

<http://www.jemea.org/majic2008/>

### 12th International AMPERE Conference on Microwave and High Frequency Heating

September 2009

University of Leuven, Belgium

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or visit [www.ampereurope.org](http://www.ampereurope.org)

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# COMMITTEE OF MANAGEMENT OF AMPERE FOR THE PERIOD 2007-09

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## COMMITTEE OF MANAGEMENT OF AMPERE FOR THE PERIOD 2007-09

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**ELÍAS DE LOS REYES**



**Jean Paul  
Bernard**



**Jon Binner**



**John Bows**



**José M.  
Catalá**



**Lambert  
Feher**



**Marco  
Garuti**



**Cristina  
Leonelli**



**Juan Monzó**



**Georges Roussi**



**Junwu Tao**



**Koen Van  
Reusel**

### *Committee members who retired at Oradea*



**Alberto Breccia**



**Thorsten Gerdes**



**David Sánchez**



**Walter Van Loock**



## **AMPERE SUBSCRIPTION RATES**

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### **AMPERE Subscription rates**

**Europe: 1 year £30:00  
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**Worldwide: 1 year £35:00  
2 years £60:00**

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