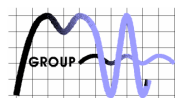


# 10<sup>th</sup> Seminar “Computer Modeling & Microwave Power Engineering” 28-29 February, 2008 Modena, Italy

Organized by  
**Industrial Microwave Modeling Group of  
Worcester Polytechnic Institute**



Co-organized by  
**Microwave Application Group of  
University of Modena and Reggio Emilia**



In cooperation with  
**Society for Industrial and  
Applied Mathematics (SIAM)**



Endorsed by  
**International Microwave  
Power Institute (IMPI)**



Endorsed by  
**Association for Microwave Power in Europe  
for Research and Education (AMPERE)**



The events of the present seminar series were held with the goal of improving communications between *microwave people with different expertise*. The meetings brought together, from one side, industrial engineers and practitioners dealing with microwave energy and, from another side, theoreticians and analysts specializing in math and computer modeling for high frequency electromagnetics to allow them to discuss the issues of common interest and get inspired for further progress with the features of the counterparty's activities in mind.

This seminar focused on the issues in computational high frequency electromagnetics will attract *academics and industrialists working in this field*. Topics associated with microwave power engineering and positioned at different stages of their development (from conceptual formulations to practical implementations) are welcome. The meeting should reveal the modern trends in development of numerical and computer technologies for modeling of scenarios of microwave thermal processing and the related fields.

## Who Should Attend and Why

- **Experts in the use of modeling software** – to share their experience with colleagues; to be updated on the latest developments in the area.
- **Inexperienced modelers and analysts** – to learn more about practical aspects of the efficient use of the prominent codes.
- **Industry and university people curious in the state-of-the-art simulation packages** – to be introduced to the use of modern numerical simulation and CAD in applied projects.
- **Developers of EM codes** – to hear from researchers & engineers how the simulators are used and what else the users expect from modeling.

## Seminar Features

Types of contributed papers may vary from notes on particular accomplishments to general reviews. *The seminar will also feature presentations of underlying techniques and operational functionalities of famous software packages suitable for modeling of systems and processes of microwave power engineering*: the companies which are being invited to sent their representatives to the seminar include COMSOL, CST & QWED.

## Venue

The seminar will be held in the facilities of the Department of Materials and Environmental Engineering of University of Modena and Reggio Emilia.

**Important dates will be specified in the beginning of November 2007.**

**Seminar Chair:** **Vadim Yakovlev**  
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**Juan Monzó-Cabrera**, Polytechnic University of Cartagena  
**Koen Van Reusel**, Catholic University of Leuven  
**Sebastien Vaucher**, EMPA  
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More information can be found at the seminar web page at <http://www.wpi.edu/+CIMS/IMMG/seminars.html>