

PREFACE

The advancement of wireless communication started at the 20 century, and it helped to improve the human activities, and nowadays it heavily influences our daily life. One of the key factors of the success of wireless industrials is the development of microwave materials, and the international conference on Microwave Materials and their Applications (MMA) that started in Europe is also part of the success.

The international conference on Microwave Materials and their Application (MMA) was initiated by Neil Alford (Imperial College London, UK), Robert Freer (University of Manchester, UK) and Professor Danilo Suvorov (Jozef Stefan Institute, Slovenia), and the aim of the conference is to bridge the academic research and industrial application in microwave materials. The MMA conference attracts a lot of attention among researchers, and the past MMA conferences have achieved the goal and gained the momentum in microwave material research. We thank the past MMA hosts for their efforts in organizing the MMA conferences, and they are :

- 1st International Conference on “Microwave Materials and their Applications” was held in Slovenia, and hosted by Prof. Danilo Suvorov on 2000. <http://www.ijs.si/~mma2000/mma2000.html>
- 2nd International Conference on “Microwave Materials and their Applications” is held in York, UK, and hosted by Prof. Robert Freer on 2002.
- 3rd International Conference on “Microwave Materials and their Applications” was held in Inuyama, Japan, and hosted by Prof. Hitoshi Ohsato (Nagoya Institute of Technology, Japan). <http://nitzy.mse.nitech.ac.jp/~ohsatolab/MMA/>
- 4th International Conference on “Microwave Materials and their Applications” was held in Oulu, Finland, and organized by Prof. Heli Jantunen (University of Oulu, Finland). <http://www.ee.oulu.fi/research/miklab/mma2006/index.shtml>
- 5th International Conference on “Microwave Materials and their Applications” was held in Hang Zhou, China, and hosted by Prof. Xiang Ming Chen (Zhejiang University, China).
- 6th International Conference on “Microwave Materials and their Applications” was held in Warsaw, Poland, and organized by Professor Jerzy Krupka (Warsaw University of Technology, Poland). <http://qwed.eu/mma2010/>

Taiwan is honored to host the 7th international conference on “Microwave Materials and their Applications” (<http://phys170.phy.ntnu.edu.tw/2012MMA/>), and it is held on

June 3–6, 2012 in Taipei, Taiwan. Over a hundred and forty participants from all over the world joined the conference, and around a hundred contributed papers, including three outstanding plenary speakers. Three Plenary Speakers are Academician, Professor Kwo Ray Chu of National Taiwan University, ACX Corp initiator Professor Jau Ho Jean, and Professor Norbert Klein of Imperial College. Their presentations covered the important fields and from different aspects to discuss the microwave material research academically and industrially. We are happy that the 7th MMA is followed the tradition of past MMA conference and provides a fruitful discussion of the new material development, LTCC, characterization, as well as industrial applications. As a Chairman of the 7th MMA, I like to thank all the participants for their contribution, also I would like to give my sincerely thanks to the member of advisory board of the 7th MMA conference, especially Prof. Heli Jantunen, Prof. Danilo Suvorov, Prof. Neil Alford and Prof. I-Nan Lin. With their worm advices, MMA conference went smoothly in a very friendly environment. At the end, I would express my great appreciations to my coworkers, Prof. Chi-Shiung His, Prof. Ming-Chung Wu, Dr. Tung-Ching Huang and Mei-Yu Chen, and many others who helped and contributed to the 7th MMA conference.

Prof. Chih-Ta Chia

Chairman of 7th MMA Conference

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