

# Preface

Intelligent Materials are designed materials that have one or more properties that can be significantly changed in a controlled fashion by external stimuli, such as stress, temperature, moisture, pH, electric or magnetic fields. Measurement is the assignment of numbers to objects or events. It is a cornerstone of most natural sciences, technologies including Materials and Manufacturing. Aiming to the advances of Intelligent Materials and Measurement, 2013 International Conference on Intelligent Materials and Measurement (ICIMM 2013) is an annual conference to call together researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Intelligent Materials and Measurement.

ICIMM 2013 is sponsored by Information Engineering Research Institute. ICIMM 2013 has received more than 239 submissions from 18 countries and regions. The papers come from both academia and industry reflecting the international flavor of this event in the topics of Intelligent Materials and Measurement. About 20 PC members and 50 International reviewers worked hard in reviewing the submissions. Based on the review reports, about 73 papers were accepted to be presented in ICIMM 2013 by the chairs. All the accepted papers have been presented on the conference, mainly by oral presentations in four sessions viz., Materials Science and Materials Processing Technology, Measuring Technology, applied mechanics, and Mechanical Manufacture

There were many novel research works have been introduced and highly evaluated. For example, the “Nanocomposite of Ag-polyacrylonitrile as a selective chlorine sensor” by Tatiana V. Semenistaya introduced the new achievements of selective chlorine sensor in Russia; Wood Materials Applied in Civil Engineering and Wood Industry Management in Latvia: Case Study” from Latvia by Kristine Fedotova introduced Wood Materials and Wood Industry Management. Chang Sung Lim from Korea introduces “Cyclic MAM Synthesis of CaMoO<sub>4</sub>:Er<sup>3+</sup>/Yb<sup>3+</sup> Particles and Their Upconversion Photoluminescence”. The participants came to an agreement that they will participate in the ICIMM 2014 next year.

We express our thanks to all the members of the General Committee Chairs, Program Committee Chairs, Technical Program Committee and Volunteers who worked so hard to prepare the conference and chair the 2 sessions in ICIMM 2013 .

We hope that ICIMM 2013 will be successful and enjoyable to all participants. We look forward to seeing all of you next year at the ICIMM 2014.

Dayun Xu

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