

General Chairman Fan-Gang Tseng, Academician Kuan Wang, Distinguished Guests of ISMM 2012, Ladies, and Gentleman, Good morning,

It is a great pleasure to be invited to say a few words at the beginning of this symposium. I am also very delighted to see that so many of you have taken the time out of your busy schedule to join us at this conference.

The International Symposium on Microchemistry and Microsystems (ISMM), which has been officially approved as the satellite conference of MicroTAS, was initiated and organized by various steering committee members and technical program committee members from the Asia/Oceania regions in MicroTAS conferences. This year the main theme of the symposium centers on the “Micro-Nano synergy for better medical care and energy utilization”, and the symposium will focus on BioMEMS, Nano/Micro Fluidics, Miniaturized Medical Systems, Micro Chemistry, and Micro Energy Systems, which tackles two of the major challenges human beings have been encountering in the 21<sup>th</sup> century, i.e., providing better medical care and finding more sustainable energy resources to benefit and prolong human life. Micro and Nanotechnologies are the two most promising avenues in the 21<sup>th</sup> century with the power not only to uncover the mysteries of substances in small scales but also encompass the frontiers of many applications. This Symposium will provide an inter-disciplinary forum for vigorous discussion on novel micro/nano technologies and ambitious solutions to address and advance those important issues, and I am very glad to see the gathering of the top experts in the field in this exciting event.

As a forward looking research university, National Tsing Hua University (NTHU) possesses a long and proud history as well as tradition, and has established itself as one of the top research universities in Taiwan. The areas focused of in this Symposium match extremely well with the research strengths of my University. In particular, tremendous progress has been made not only by our MEMS faculty members, but also

interdisciplinary teams on nano and micro technology researches. We are able to take full advantage of the amazing processing capability of Taiwan's semiconductor industry and the close interaction among partners, in both academic and industrial sectors and made impressive progresses. Furthermore, both energy and medical care researches have flourished on our campus. About two months ago, the University has also been privileged to host the World Microsystem Summit. We are very proud to have the honor to host two leading conferences on micro and nanotechnologies consecutively in two months. NTHU welcomes such opportunity not only to showcase both the academic and industrial contributions it has made in the areas, but also consider these occasions as opportunity to learn from you on how we can further improve the quality of our programs.

Finally I would like to thank you again for the hard work of the organizing committee to make this symposium a reality. I wish every participant will take the opportunity ISMM2012 provides to present your work fruitfully, exchange your ideas, and to establish, strengthen the links as well as exploring future collaborations. Last but not the least, I wish ISMM 2012 in Hsinchu a great success and a wonderful experience for each and every one of you to explore Taiwan.