

## Honorary Conference Chairs Message

Dear Colleagues,

On behalf of the honorary conference chairs, it is our great pleasure to Bangkok and welcome you to the 3rd International Symposium on Biomedical Engineering – 2008 (ISBME-2008). This year the ISBME is organized in conjunction with the 2nd Symposium on Thai Biomedical Engineering (ThaiBME). The conference will be an excellent forum for engineers, physicians, and scientists to exchange the knowledge and discuss the advancement in biomedical engineering and its related fields.

The ISBME has been held biannually since 2004. In contrast, the ThaiBME has been initiated since last year. Both conferences have become major conferences in this field for this region of the world, providing an opportunity for researchers to get to know one another, exchange views and ideas, as well as their latest research findings, and strengthen existing friendship. Fortunately, this year we can combine both ISBME and ThaiBME into a single bigger event. We do hope that the participants will enjoy not only the technical aspects of the conference, but also the cultural and traditional of Thailand.

The “Loy Krathong”, a spectacular festival of lights, is held annually on the full moon of the 12th month of Thai lunar calendar in recognizing the goddess of the river. In addition to the conference, there are more opportunities for the speakers and participants to experience various social events.



**Kitti Tirasesth**

President, King Mongkut's Institute  
of Technology Ladkrabang (KMITL)



**Chiradet Ousawad**

President, University of Thai  
Chamber of Commerce (UTCC)

## General Chair Message

Colleagues, Distinguish Guests, Ladies and gentle men;

On behalf of the General Chair of Organizing Committee, it is my pleasure to welcome you to the 2nd Symposium on Thai Biomedical Engineering (ThaiBME 2008) which is jointly organized with the 3rd International Symposium on Biomedical Engineering – 2008 (ISBME-2008). This year we are fortunate to meet our colleagues in the beautiful city of Bangkok, Thailand. The conferences will take place during the “Loy Krathong Festival” a spectacular festival of lights annually held on the full moon of the 12th month of Thai lunar calendar. ThaiBME and ISBME promise to be a memorable event not to be missed.

The ISBME 2008 and ThaiBME 2008 feature a wide range of contributions, distributed across special sessions that represent the board range of interests in biomedical engineering. It is our hope that the conferences will provide a venue for exchange of scientific information, a meeting place for networking with colleagues, and an opportunity to present recent research.

Finally, I would like to say thanks to all honorable keynote speakers, invited speakers, authors, reviewers, session chairpersons, participants and other people for their supports, and wish all of you a successful and stimulating meeting and a pleasant stay in Bangkok, and also enjoy for Loy Krathong Festival.



**Manas Sangworasil**

King Mongkut's Institute of  
Technology Ladkrabang (KMITL)  
Thailand

## President of the ThaiBME Association Message

Dear Colleagues:

On behalf of the President of the Thai Biomedical Engineering (ThaiBME) Association, it is my great pleasure and honor to welcome all the participants to the 3rd International Symposium on Biomedical Engineering, or ISBME-2008 which is held in conjunction with the 2nd Symposium on Thai Biomedical Engineering, or ThaiBME-2008. We have supported and organized these conferences as one of many activities conducted by our association. The ThaiBME association had been found since 2549 by the cooperation of engineers, scientists, medical doctors, dentists, veterinaries, pharmaceutical personnel, nurses, radiation technicians and other health personnel. The main objectives of the association are to promote the research and activities of biomedical engineering nationwide and to provide the forum for researchers and scientists to exchange and discuss matters regarding biomedical engineering and/or related fields.

The biomedical engineering has greatly expanded its roles by in integrating itself into and utilizing the knowledge and advantages of information technology. The BME conferences become more and more importance forum for researcher and scientists in such field.

I would like to express my sincere gratitude and deep appreciation to all of the conference committee members and staffs for their excellent work and to the authors from around the world for sharing their results by their presentations and discussions. I hope that the participants will enjoy not only the technical aspects of the conference, but also the banquet, food, and cultural of Thailand. Some inconveniences may occur during the arranging of the conference, but I do believe that the Organizing Committee Members will do there best to solve and to make sure that you participate in the conference with pleasure.

I hope that you will find a good opportunity to meet, to exchange ideas and to make research contacts and collaboration.



**Somkiat Wattanasirichaigoon**

President, ThaiBME

## Technical Program Chairs Message

Colleagues, Distinguish Guests, Ladies and gentle men;

We, as a the technical program chairs of the ISBME-2008 and ThaiBME-2008, have a great pleasure to welcome all of you the odd event organized during the great time of the year, the marvelous “Loykrathong”. The ISBME this year in held in conjunction with the ThaiBME, these are good recipes for the all researchers in the area of BME, good opportunity for Thai participants and great chance for participants from abroad.

We have 130 papers submitted form researcher and scientists from 9 countries. Referees have enjoyed their hard times in reviewing the papers. Unfortunately, the conference can take 116 papers.

We would like to take this opportunity to express our sincere thanks to all the researchers who have submitted theirs good research works to be shared in the conferences. We, very much, appreciate all the referees who have spent their valuable times to review the manuscript. We also extend of our thanks to speakers, session chairpersons and all participants that have lively shared the session via the fruitful comment and discussion.

Due to the success of our annual national meeting “The ThaiBME”, the conference has extended its roles to an international one. From now on, it is known as “BMEiCON”. BMEiCON-2009 will be organized somewhere outside Bangkok, perhaps, Phuket. We are looking forward to have your great contributions as we do have this year, and we are looking forward to seeing you there.



**Somsak Choomchuay**  
KMITL, Thailand



**Kosin Chumnongthai**  
KMUTT, Thailand



**Kazuhiko Hamamoto**  
Tokai Univ., Japan