

## **The 8<sup>th</sup> International Conference on Membrane Science and Technology**

### **Foreword**

The International conference on Membrane Science & Technology is an annual event jointly organized by ITB, Indonesia; PSU, Thailand; UNDIP, Indonesia; UTM, Malaysia; NUS, Singapore and NTU, Singapore. The first MST were held in 1996 at ITB, Bandung. This year, Institut Teknologi Bandung, Indonesia is given the honour to host this 8<sup>th</sup> regional symposium after University Teknologi Malaysia in 2009.

MST 2010 is dedicated to Prof. AG Fane, as one of the most influential figures in membrane science and technology. His long time works on membrane which is started since more than 40 years ago, has achieved prestigious awards such as Distinguished Visiting Fellow, RAEng, Oxford [2008], Oliver Smithies Lectureship-Balliol College, Oxford [2006], European Membrane Society – Honorary life membership [2003], Centenary Medal for service in Chemical Engineering and Environmental Science [2003], Esso Award of Excellence in Chemical Engineering [1996], Whiffen Medal of IChem.E for Developments in Membrane Technology [1989]. Prof. AG Fane is a key person in the early development of membrane science and technology in South East Asia. It is an honor for ASEAN Association on Membrane as organizing committee of MST 2010 to commemorate retirement of Prof. AG Fane.

This conference was attended representatives from industries, private-sector organizations, academia, and other governmental agencies to accomplish four objectives : to highlight advances and new findings in membrane science & technology and their impacts on technology development, to develop a great mutual appreciation of related disciplines apart from the state-of-the art exposure in the areas of direct interest to different participants, to foster international collaborations and joint ventures, and to promote and facilitate the growth of scientific and technical development in the field of membrane technology development in Indonesia and the ASEAN region. The conference agenda included an opening session, parallel open presentation sessions, and keynote presentations session. In total, there were fourteen keynote speakers, and seventy seven general presentations. The papers and presentations in this document were produced primarily from electronic files provided by the authors. They have been neither refereed nor extensively edited. The conference Proceedings is provided to participants on CD.

Finally, I would like to thank to all Speakers, all Participants, the Session chairs and Moderators, Scientific committees and Organizing committees for their help in making this conference a success. I would also like express our gratitude to all sponsors for their generous support. This Symposium would not have been successful without assistance received from our main sponsor, GDP FILTER ([www.gdpfilter.co.id](http://www.gdpfilter.co.id)).

**Dr. I G. Wenten**

**Chairman of MST 2010**