



## **The Fifth International Desalination Workshop (IDW 5) October 28–31, 2012, Jeju, Korea**

### **Editorial**

The International Desalination Workshop (IDW) was initiated by the Center for Seawater Desalination Plant in Gwangju Institute of Science and Technology and European Desalination Society in the year of 2007.

The 5th IDW was held in one of the seven wonders of the world, Jeju island, Korea. Needless to say, the event had, once again, been a grateful and meaningful gathering of the global desalination community. Four plenary lecturers, eight renowned keynote speaker along with twenty oral presenters from various countries shared their ideas to tackle a variety of issues regarding desalination. The poster session had also been a useful time nurturing novel ideas as well.

More than forty full manuscript submissions and a hundred and sixty participants were identified during the 5th IDW. This year, in particular, we proceeded deeper into the core of desalination that more than half of the presentations focused onto the fouling phenomenon, which is, by far, the most important issue in membrane-based desalination. Numerous participants of industries from in and out of Korea had shown their interests, and, especially, the Korean industry was perhaps the one that benefited the most. The ideas shared during the 5th International Desalination Workshop showed insights and potentiality for practical applications, and, most importantly, inspired the newcomers of our community to gallantly face the critical issues of desalination.

The 2nd International Symposium on Silt Density Index and Membrane Fouling Index (SDI/MFI) was also held during the workshop. An international effort to develop a practical and accurate fouling index was started at the SDI/MFI workshop held in Barcelona, Spain. Many alternatives were suggested during the workshop, but the official standardization of membrane fouling indices was far from materialization. During the 2nd International Symposium on SDI/MFI, the obstacles hampering the application of alternative fouling indices were discussed and international efforts to resolve them were vividly identified as well.

The 5th International Desalination Workshop was filled with intellectual joy and was a venue in which we nurtured our common interest for desalination and friendship as a global community. The next International Desalination Workshop surely will relay this spirit once again for all. As always, I appreciate all the unyielding support from the members of SeaHERO and EDS along with the contributions by KSEE, Ministry of Land, Transport and Maritime Affairs, and KICTEP. I would also like to recognize the gracious sponsorships from Doosan, Woong-jin Chemical, Hyosung Goodsprings, Sseng, Econity, Uni-Tech, and K-water.

*Thank you and God bless you*

*Prof. In. S. Kim*

*Chairman of The 5th IDW*