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ICI2011 was held in Daejeon, Korea, August 21-25, 2011. ICI2011 had three embedded meetings: the International Symposium on Future Instrumentation and Control for Nuclear Power Plants 2011 (ISOFIC2011); the Cognitive Systems Engineering in Process Control 2011 (CSEPC2011); and the International Symposium on Symbiotic Nuclear Power Systems 2011 (ISSNP2011). A track was assigned for each embedded meeting: Track 1 for ISOFIC2011, Track 2 for CSEPC2011 and Track 3 for ISSNP2011. Track 4 was separately assigned for the general nuclear engineering papers. We had about 100 full papers presented in the meeting. Out of these, some papers were recommended by session chairs to be published as journal papers. Some of those were sent to IJNS (International Electronic Journal of Nuclear Safety and Simulation) which is published by Harbin Engineering University in China and Symbio Community Forum in Japan. Ten papers are being published in this Journal, NET (Nuclear Engineering and Technology), after formal reviews by world experts. Out of these ten papers, three are from Track 1, three are from Track 2, three are from Track 3, and one is from Track 4. As the General Chair of the ICI2011 and the Guest Editor for this special issue of NET for the ICI2011, I would like to thank the authors and reviewers of the papers for their great contribution to this special issue.

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