

## Meet the Editors

KENICHI MORITA



Kenichi Morita is a professor emeritus of Hiroshima University. He received his B. Eng., M. Eng., and Dr. Eng. degrees from Osaka University in 1971, 1973, and 1978, respectively. From 1974 to 1987, he was a research associate of the Faculty of Engineering Science, Osaka University. From 1987 to 1990, he was an associate professor, and from 1990 to 1993 a professor of the Faculty of Engineering, Yamagata University. From 1993 to 2013, he was a professor of the Graduate School of Engineering, Hiroshima University.

His research interests include automata theory, reversible computing, and formal language theory. Among these research subjects, he has been engaged in the investigation of cellular automata for a long time. In particular, he studied reversible cellular automata as abstract models of reversible physical

spaces. He proposed the framework of partitioned cellular automata for designing reversible cellular automata. Using this framework, he gave various kinds of simple one- and two-dimensional reversible cellular automata that are computationally universal.

## REFERENCES

- [1] K. Morita. (2007). Simple universal one-dimensional reversible cellular automata. *J. Cell. Autom.*, 2:159–166.
- [2] K. Morita. (2008). Reversible computing and cellular automata — A survey. *Theoret. Comput. Sci.*, 395:101–131.
- [3] K. Morita. (2012). Computation in reversible cellular automata. *Int. J. of General Systems*, 41:569–581.
- [4] K. Morita and M. Harao. (1989). Computation universality of one-dimensional reversible (injective) cellular automata. *Trans. IEICE Japan*, E72:758–762.
- [5] K. Morita, Y. Tojima, K. Imai, and T. Ogiro. (2002). Universal computing in reversible and number-conserving two-dimensional cellular spaces. In *Collision-based Computing* (ed. A. Adamatzky), pages 161–199. Springer.