



New Generation Computing Becomes the Official Journal of the Japanese Society for Artificial Intelligence

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We are pleased to announce that New Generation Computing (NGC) has become the official journal of the Japanese Society for Artificial Intelligence (JSAI). Established in 1986, JSIA has more than 5000 members, making it the leading society in Japan for artificial intelligence. NGC was founded in 1983 with a global membership including Japanese researchers, and at that time the fifth-generation computer project was in full swing. There are several reasons that NGC and JSAI, created nearly contemporaneously by the same community, have officially joined forces and positioned NGC under the umbrella of JSAI.

One is that we are entering a true era of “new-generation computing”, centered on artificial intelligence technologies such as deep learning. Large-scale language models (also known as foundation models) differ in many ways from the traditional paradigm of computation and have unfathomable potential. The convergence area will become increasingly important, with major implications for fields such as cognitive science, philosophy, and the social sciences. Bio-nanocomputing will also make steady progress. In these times, we aim to be the journal that truly leads in the “new computing” era.

Second, it is also an opportunity for the Japanese Society for Artificial Intelligence to make its research more accessible to the world. Japan used to lead the world in artificial intelligence research. For example, we have prominent researchers such as Dr. Shun-ichi Amari and Dr. Kunihiro Fukushima in neural network research, and we have a very strong background in logical computation and reasoning. We have also been involved in the leadership of various academic societies in Asia and the world. Recently, Japan’s activities in this field have turned somewhat inward. Despite this, there are many interesting discussions going on in the Japanese AI community, and we would like to contribute more to the global computer science community by disseminating these discussions worldwide.

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When this journal was first published, our founders did not name it Fifth Generation Computing but, rather, New Generation Computing. The reason for this may have been that they wanted the journal to always be a journal that pioneers a new era of computing.

The editorial board has also been updated. Dr. Matsuo is the new editor-in-chief from this year. The associate editors-in-chief are Dr. Ichise and Dr. Kiyota. We thank Dr. Numao, the former editor-in-chief, for his great contribution to the journal, and we would like to continue the tradition of the past while creating a new journal.

We will appreciate your continued support of NGC, and we look forward to receiving many submissions that will shape a new era of computation.

Editor-in-Chief

Yutaka Matsuo

Associate Editors-in-Chief

Ryutaro Ichise

Yoji Kiyota

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