

Editorial

Published 17 October 2019



Prof. Masato Wakayama

I am delighted to announce the launch of International Journal of Mathematics for Industry (IJMI) with World Scientific, one of the world's leading academic publishers and the largest international scientific publisher in the Asia-Pacific region.

IJMI is an international, open-access journal, dedicated to enhancing the interaction between mathematics and industrial applications as a two-way process. It publishes original research articles from authors worldwide that illustrate how, through the utilization of mathematical results, questions about industrial problems including various scientific interests potentially connected to industrial problems are answered to yield new insight for both industry and mathematics. The journal also publishes survey articles that address specific mathematics-for-industry topics from an original perspective.

Mathematics-for-industry aims to create new opportunities for industry, the development of new technologies and science, and the identification of new focal points for the evolution of mathematics. This new field is being developed through the integration and unification of pure and applied mathematics to highlight and reinforce their fundamental importance for the future solution of current industrial problems and the development of new industrial technologies. Consequently, the scope of this journal includes theoretical, numerical, and experimental studies in all fields of mathematics

and the mathematical sciences, provided that their core and flavor retain the spirit of a mathematics-for-industry endeavor. Moreover, the journal welcomes articles that have the potential to identify and foster future opportunities for the development of mathematics.

The journal was founded in 2009 as the Journal of Math-for-Industry in the Global Center of Excellence (COE) Program “Education and Research Hub for Mathematics-for-Industry” of the Ministry of Education, Culture, Sports, Science and Technology of Japan (FY 2008–2012). Five volumes were published prior to 2014, and the articles from those volumes are archived at <http://j-mi.org/>. Volumes 6–10 (2014–2018) were published in the Pacific Journal of Mathematics for Industry (PJMI) by Springer.

Over the past 11 years, IJMI has established itself as an astute and innovative international forum in the field of mathematics-for-industry. As mathematics is playing a critical role in Industry 4.0, the fourth industrial revolution, the achievements of IJMI over this period are quite impressive. However, IJMI still has to strive more vigorously to reach an even higher status. Here are my near-term objectives for the journal. My foremost goal will be to pursue a policy of publishing contributions of the highest scientific standing subjected to rigorous peer reviewing.

In order to serve the ever increasing demands from researchers active in the field of mathematics-for-industry and to have more impact to the community, the volume needs to be increased. Presently, IJMI publishes about 10 papers annually. I plan to increase the number to 20 in 2020 and further in the following years.

M. Wakayama

Second, IJMI needs to be more active in highlighting emerging fields that are at the forefront of mathematics-for-industry. This will be implemented by inviting survey/review papers from eminent researchers.

Third, since IJMI is currently indexed by ESCI, I shall move on to explore a long-term strategy to make IJMI an SCIE journal.

Finally, I sincerely invite you to publish your articles Open Access for free — all publication costs for accepted articles in IJMI are kindly sponsored by the Institute of Mathematics for Industry, Kyushu University, so the authors are not required to pay any processing charge for his/her articles. IJMI is supported by the Asia Pacific Consortium of Mathematics for Industry (APCMFI).

Prof. Masato Wakayama
wakayama@imi.kyushu-u.ac.jp
http://imi.kyushu-u.ac.jp/~wakayama/