

## Welcoming Remarks

The 3rd Workshop on Reactive Metal Processing subtitled “Recent Progress in Materials Processing” is being held at the Massachusetts Institute of Technology (MIT) from March 2 to 3, 2007; this follows the 1st Workshop held in Boston (March 17–19, 2006) and the 2nd Workshop held in Tokyo (November 16–17, 2006). The workshop is jointly organized by the Sadoway Laboratory at MIT and the Okabe Laboratory at the University of Tokyo (UT) under the auspices of an international program titled “Core to Core Program,” which is supported by the Japan Society for the Promotion of Science (JSPS). We extend our warmest welcome to all of your attending the 3rd Workshop.

One of the main intentions of this workshop is to create world-leading research hubs by linking Japan and other advanced countries through the exchange of the latest and excellent researches on reactive metal processing. Further, it provides a world stage for the debut of young researchers who will facilitate the next generation of scientific advances.

In recent years, progress in industrial products and engineering technologies has been remarkable. For the sustainable development of societies, highly advanced functional materials and environmentally sound technologies are required. In particular, owing to their unique properties, the processing fundamentals of reactive metals have received increasing attention by both industrial firms and academic scientists. The 1st and 2nd Workshops offered outstanding lectures by 16 leading international researchers from 7 countries on a wide variety of aspects of reactive metals processing, thereby proving the value of such a forum and validating the vision of the organizers.

We hope that the 3rd Workshop will further contribute to not only develop an active and global partnership among the participants but also formulate future strategies with regard to reactive metals by providing plenty of opportunities for animated discussions.

Finally, we express our sincere appreciation to all the participants for their academic contributions and to the administrative staffs and students of the UT and MIT for their assistance. Financial supports from JSPS and the Elliott Chair are gratefully acknowledged.



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