**GUEST EDITORIAL** 

## A Tribute to Professor Shuichi Miyazaki—From Fundamentals to Applications

## © ASM International 2017

We are very pleased to present to you this special issue in honor of Professor Shuichi Miyazaki.

This year we have seen over half of a century pass since the discovery of the shape memory effect in Nitinol. Over the past five decades, what was then a metal of curiosity has today become a large family of shape memory materials making many innovative applications in many fields. This is possible only because of the dedicated work of many researchers. One such research leader in our community is Professor Miyazaki.

Professor Miyazaki has made significant contribution to the science and technology of shape memory alloys over nearly four decades, and mentored and supported many junior researchers. His work has won numerous prestigious national and international awards and prizes. The journal of *Shape Memory and Superelasticity* wishes, through this special issue, to establish a historical record of some key milestones of the science of shape memory alloys and to provide our young and future researchers a reference and focal point for this knowledge, as well as to celebrate the great achievements and contributions of the research leaders of our time in this field.

When we sent out invitations to our colleagues for this special issue earlier this year, the response received was overwhelming, a testament to the standing of Professor Miyazaki. Many colleagues commented highly not only the scientific achievements of Professor Miyazaki, but also the support and mentoring he has given to many of us, ourselves included. Many also expressed their pleasure and feeling of honor to contribute to this special issue. This special issue would have not been possible without the enthusiastic support of the many colleagues. With this, we wish to sincerely thank all the authors, including those who



Yinong Liu



Hee Young Kim

eventually did not find time to contribute with a paper in time for the issue, and the reviewers for their valuable contributions to this special issue. We hope that this special issue will inspire young researchers in the field of shape memory alloys and motivate collaboration and further advancements in this field.

## **Guest Editors**

## **Professor Yinong Liu**

School of Mechanical and Chemical Engineering The University of Western Australia

**Professor Hee Young Kim** Division of Materials Science University of Tsukuba