
EDITORIAL

The International Conference on Shape Memory and Superelastic Technologies in 2011 (SMST 2011) was the first convened in beautiful Hong Kong at the Gold Coast Hotel, and sponsored by the International Organization on SMST™, an affiliate society of ASM International®.

As with previous SMST Conferences, SMST 2011 brought together esteemed scientists, engineers, and academics from around the world. This international event encourages and expounds on the practical engineering aspects of shape memory alloys (SMAs), and is *the* authoritative source for the latest in scientific and technical advances, innovative applications, and leading edge research and development in the growing field of shape memory and superelastic technology.

SMST 2011 was preceded by an industry-specific tutorial workshop entitled: “Nitinol—Beyond the Fundamentals,” that was held at the City University of Hong Kong the day before the actual conference began. This workshop had been held in North America for the previous SMST conferences, but here in Hong Kong, it was the first!

Previous conferences on SMSTs have been held in our home-base, Asilomar, CA, USA, which hosted the first SMST conference in 1994 as well as those in 1997, 2000, 2003, 2006, and 2010 with a few European and Asian conferences having been held also in Belgium (1994), China (2001), Germany (2004), Japan (2007), and Italy (2008). We are all looking forward to the SMST 2013 to be held in Prague, Czech Republic, 21-24 May, OREA Hotel Pyramida:

<http://www.asminternational.org/content/Events/smst/housing.jsp>

Peer-reviewed proceedings for these conferences have been regularly published in hard-bound volumes. Following the practice initiated at SMST 2008 in Italy, papers of this year’s proceedings will also appear as peer-reviewed archival papers in a special edition of the Journal of Materials Engineering and Performance (JMEP, Springer). As a bonus for the attendees of the 2011 conference, a volume of SMST-2011 Extended Abstracts was provided at the opening of the meeting to provide an up-to-the-minute snapshot of the latest developments. This three-day technical program included sessions in

- Testing, Characterization, and Standards (4)
- Production, Processing, and Joining (4)
- High-Temperature and Extreme Environment SMAs (1)
- Surface Engineering, Corrosion, and Biological Response (2)
- Fatigue, Fracture, and Lifetime Prediction (3)
- Medical Applications, Design, and Implementation (2)
- Directions for Future Development (2)

Also included in this packed technical schedule were the well-attended Poster Sessions, three Plenary Sessions with Invited Guest Speakers, and several special events including a Sunday Evening “Welcome Reception,” followed by a Tuesday Evening Product Exhibition and a Wednesday Evening Dinner. Following the Technical Program was an optional Thursday, with Post Conference “Tour and Dine” of Hong Kong Island and Kowloon, Repulse Bay, the Stanley Market, and Aberdeen fishing village—the “floating community!”

We are immensely grateful to the members of the organizing and advisory committees, as well as the sponsors, the session chairs, and the event chairs. The success of SMST 2011 was made possible only through their energy, their alertness and competence, and their dedicated hard work.



SMST 2011 General Chair; Dr. Jonathan C.Y. Chung, City University of Hong Kong

Technical Chair

Co-Chair of Technical Program: Dr. Xiaodong Han, Beijing University of Technology

Prof. Petr Sittner, Academy of Science of the Czech Republic (Prague)

Dr. Ming Wu Edwards, Lifesciences (USA)

Product Exhibition & Sponsorship: Prof. Zheng Yufeng, Peking University

Tutorial Workshop: Dr. Alan Pelton, Nitinol Devices & Components

Industrial Sponsors for SMST 2011

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Dr. M. R. Mitchell

Mechanical Engineering Department

Northern Arizona University

Flagstaff, AZ, USA

e-mail: mrmitchell@illinoisalumni.org