

## Preface

On behalf of the German Welding Society (DVS), the ASM Thermal Spray Society (ASM-TSS) and the International Institute of Welding (IIW), we would like to extend our warmest welcome to invite you to Singapore for ITSC – International Thermal Spray Conference & Exposition 2010. Nowadays in times of a worldwide financial crisis, even if it is decreasing by now, it is a challenge but also a strong positive sign to announce a well prepared ITSC in the Asian Pacific Rim representing all of our customers' aims and aspects.

Surfacing plays an important role and is widely used in various industries. Therefore Singapore as a vital economic pillar in Asia offering impressive achievements for thermal spray applications:

- Asia No. 1 aerospace maintenance, repair and overhaul hub
- 20 % world market share for ship repair
- Among the top 3 global centres for oil and gas equipment manufacturing and servicing
- 70 % world market share in jack-up rigs
- One of the top oil refining centres in the world
- Among the top 10 petrochemical hubs in the world

At ITSC 2010, we successfully keep on featuring the latest developments in thermal spray applications, technology and science also for the above marked markets. To strengthen the Thermal Spray Technology in its existing and future markets, ITSC 2010 broadens its use-oriented “Application Highlights” for growing and upcoming applications:

- Power Engineering and Solid Oxide Fuel Cell
- Gas Turbines
- Aerospace Industry
- Off-Shore
- Industrial Engineering
- Paper and Printing
- Biomedical Coatings

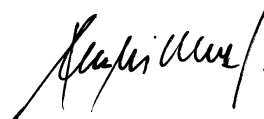
With a “One Day One Market” philosophy ITSC 2010 continues an application oriented information concept straight forward towards practical needs, optimising invest of time for different industries. Over 200 oral- and 70 poster presentations provide the most important source of thermal spray technical information available. Additionally, more than 30 exhibitors will provide the conference attendees with optimum information about their current and ongoing developments.

Supporting emerging professionals in thermal spraying becomes a forward-looking must for ITSC! With the “Young Scientist” session ITSC 2010 offers a brilliant stage for promising young talents, both from industry and universities, sharing their work. This session is accompanied by a special poster exposition. All visitors to this session can elect their favorite contribution, and the winner will be announced during the awards banquet.

With ITSC a substantial worldwide personal and technical network is created. The knowledge and experiences shared between you, the authors, instructors, students and exhibitors at this outstanding three-day-event is why thermal spray will continue to flourish in the next decades, with ever-increasing new market segments and new commercial opportunities.

A very special thank you not only to the numerous authors of lectures and poster contributors, but also to the sponsors and experts who are making themselves available for the Program Committee, Session Chairmen, and the employees of all societies involved. It has been due to their work that a contribution has been made for the successful staging of the conference.

Düsseldorf, April 2010



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