Preface

This volume contains the proceedings of the International Thermal Spray Conference 2003 (ITSC 2003) held in Orlando, Florida, 5-8 May 2003. More than 240 papers covering the full spectrum of topics on the science and technology of thermal spray are presented in this book. The contributions highlight a number of areas, including recent advances in the basic science of spraying, diagnostics, process control, particle impact, microstructure, and properties; results on degradation mechanisms, testing and performance evaluation; and developments in new materials, processes, equipment and applications. In short, this collection of papers presents a snapshot of the current state of advancement of the thermal spray field.

Many individuals have contributed to the successful completion of this work. We thank the authors for choosing this venue to share their research results and insights with their peers. We express our appreciation to members of the Editorial Committee, a group of more than seventy experts from fifteen countries, who worked with us in providing objective feedback to authors so they could improve the quality of their manuscripts. We are indebted to Sylvie Lamontagne of the Industrial Materials Institute, National Research Council of Canada for her tireless efforts in addressing issues related to formatting and patiently working with us to process the 1700 pages of text, tables and figures. And finally, completion of this work would not have been possible without a strong commitment from our employer, the Industrial Materials Institute, National Research Council of Canada, to support this endeavor by providing the resources required to accomplish this task.

To everyone involved, we express our sincere thanks.
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4th National Thermal Spray Conference (1991) 4-10 May, Pittsburgh (PA)


6th National Thermal Spray Conference (1993) 7-11 June, Anaheim (CA)

7th National Thermal Spray Conference (1994) 20-24 June, Boston (MA)

8th National Thermal Spray Conference (1995) 11-15 September, Houston (TX)

9th National Thermal Spray Conference (1996) 7-11 October, Cincinnati (OH)

10th National Thermal Spray Conference (1997) 14-18 September, Indianapolis (IN)

15th International Thermal Spray Conference (1998) 25-29 May, Nice, France
2nd United Thermal Spray Conference (1999) 17-19 March, Dusseldorf, Germany

1st International Thermal Spray Conference (2000) 8-11 May, Montréal, Québec, Canada
(The first ITSC sponsored by the ASM-Thermal Spray Society, The DVS-German Welding Society, and the IIW-International Institute of Welding)


International Thermal Spray Conference (2002) 4-6 March, Essen, Germany

International Thermal Spray Conference (2003) 5-8 May, Orlando, Florida

Footnotes
1 These proceedings are still available and can be obtained through ASM International’s Customer Service.
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