Thermal Process Modeling

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Preface

This collection of papers represents the heart of the 5th International Conference on Thermal Process Modeling and Computer Simulation. Thermal processes are key manufacturing steps in producing durable and useful products, with solidification, welding, heat treating, and surface engineering being primary steps. For this reason, the International Federation for Heat Treatment and Surface Engineering (IFHTSE) and the Heat Treating Society (HTS) of ASM International assembled the listed Organizing Committees of experts in the field and solicited papers worthy of presentation to practitioners, researchers, and academia on this critical topic of thermal process modeling.

This conference was a joint effort and we wish to especially thank the members of the HTS Board, the HTS Technology and Programming Committee, the IFHTSE Secretariat and Board, and the Domestic and International Organizing Committees for their guidance and efforts to identify, solicit, and encourage experts from both academia and industry to share their knowledge and expertise to create this fine program. As individuals and as an industry, we profit from the effort of these volunteers and the hours they devote to advancing the science of thermal processing. The efforts of the authors and the reviewers of these papers are much appreciated, and we gratefully thank them.

These papers represent the latest state-of-the-art in thermal process modeling. The breadth of topics covers the depth of our industry and will be a valuable reference source for years to come. The opportunity to Co - Chair this Conference as well as to bring you the 5th ICTPMCS Proceedings has truly been our pleasure and privilege. Thank you for allowing us this opportunity.

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