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## Preface

These proceedings contain the papers presented at the symposium on Particle Beam Induced Radiation Effects in Materials that was held in New Orleans, LA, USA, from 10 to 12 March 2008, as part of the annual meeting of The Minerals, Metals and Materials Society (TMS).

Particle beam induced radiation effects in materials is of increasing importance in several fields. Charged particle beams serve as surrogates for neutron irradiation to complement reactor irradiation damage studies. They are also of increasing importance in material modification in accelerator-driven systems and for fabrication of micro- and nanostructures. The scope of this symposium covered both low and high energy irradiations with charged particles ranging from electrons to heavy ions over the energy range eV to GeV. Both experimental and theoretical studies were presented on a wide range of materials including metals, ceramics, insulators, superconductors and semiconductors. In total 41 presentations were made over the 3-day symposium.

We would like to thank all the participants in the symposium for their presentations, and all authors for the quality of their manuscripts, which has resulted in this issue of the Journal of Nuclear Materials containing the symposium proceedings.

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