

New eBook Information

Hot Isostatic Pressing

HIP' 17

Eds. Pranesh Dayal and Gerry Triani

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Hot Isostatic Pressing (HIP) has important applications in advanced materials manufacturing, automotive, aerospace, oil and gas industries, power generation, and medical and nuclear fields.

Keyword: Hot Isostatic Pressing, Radioactive Nuclear Waste, Cast Aluminum Alloys, Ceramic Materials, Superalloys, Manufacturing of Turbine Blisks, Additive Manufacturing, Diffusion Welding, Turbopump Components, Valve Spindles, Ni-base Superalloys, Titanium Aluminide, Stainless Steels, Metal Matrix Composites, Phase Transformations, Cooling Equipment, Duplex Steel, Diamond/SiC Composites, Reactor Vessel Fabrication, Electron Beam Welding, Superconducting Magnet Structures

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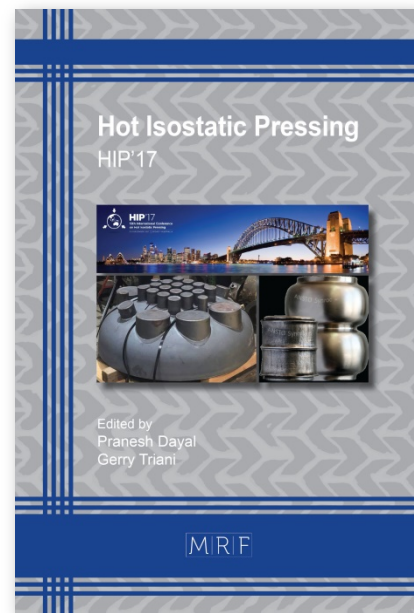
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Summary:

Hot Isostatic Pressing (HIP) has important applications in advanced materials manufacturing, automotive, aerospace, oil and gas industries, power generation, and medical and nuclear fields. The symposium focused on HIP applications in such areas as material optimization, radioactive nuclear waste, cast aluminum alloys, ceramic materials, superalloys, manufacturing of turbine blisks, densification of additive manufactured parts, diffusion welding of dissimilar metals and alloys, heat treatment inside the HIP unit, turbopump components, improved tooling materials, valve spindles for engines, Ni-base superalloys, titanium aluminide, stainless steels, metal matrix composites, phase transformations, uniform load cooling equipment, duplex steel, diamond/SiC composites, large hot zone units, additive manufacturing, efficient modeling, reactor vessel fabrication, electron beam welding, superconducting magnet structures.



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Eds. **Pranesh Dayal and Gerry Triani**

Proceedings / color print, paperback

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