DESCRIPTION

A state-of-the-art look at advanced composites processing and manufacturing—from leading academic and industry experts.

Advanced Composites Manufacturing combines cutting-edge coverage of the scientific fundamentals of composites processing with an in-depth treatment of the major manufacturing processes for advanced composite materials. Complete with important information on such key issues as new processing areas, manufacturing process control, deformation forming, and cost-control strategies, this unique reference is essential reading for materials scientists, researchers, and engineers across a range of industry sectors. Topics covered include:

* The Processing Science of Reactive Polymer Composites.

* The Processing Science of Thermoplastic Composites.

* The Elastic Deformation of Fiber Bundles.

* Processing of Textile Preforms.

* The Autoclave Processing of Composites.

* Pultrusion of Composites.

* Forming of Advanced Composites.

* Filament Winding Process Model for Thermosetting Matrix Composites.
* Liquid Composite Molding.

* Process Control of Thermosetting Composites.

* Joining of Composites.

* Cost, Automation, and Design.

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⚠️ ABOUT THE AUTHOR

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