

## Book Reviews

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### **Crystal Growth Technology: From Fundamentals and Simulation to Large-Scale Production.**

Edited by Hans J. Scheel and Peter Capper. Weinheim, Germany. 2008. 505 pp. List price \$215. ISBN 978-3-527-31762-2.

This book contains 19 selected reviews from the Third International Workshop on Crystal Growth Technology held in Switzerland in 2005, and follows on a similar volume published in 2003. Emphasis is again on melt growth of large crystals of commercial importance, with little coverage of solution growth and virtually nothing on thin film deposition. The articles begin with thermodynamics, continue with modeling of heat transfer, cover methods for compound semiconductors, scintillator crystals, and oxides, and finish with wire sawing and plasma machining. They are generally current and well written, with only a few grammatical errors. The treatment of radiation heat transfer inside growing crystals represents a recent advance that

is well described. We were particularly impressed by the use of color in some of the figures, especially the color photographs of crystals. Having the captions in two columns is mildly annoying, however.

The font seems smaller than usual, and the margins rather wide. A more comfortable font size could have been used with narrower margins, thereby maintaining the same number of pages.

This book would be instructive for engineers and scientists in industry, and suitable as a text for a graduate course in crystal growth from the melt.

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