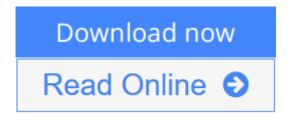


#### Phase Transformations in Metals and Alloys, Third Edition (Revised Reprint)

By David A. Porter, Kenneth E. Easterling, Mohamed Sherif



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Expanded and revised to cover developments in the field over the past 17 years, and now reprinted to correct errors in the prior printing, **Phase Transformation** in Metals and Alloys, Third Edition provides information and examples that better illustrate the engineering relevance of this topic. It supplies a comprehensive overview of specific types of phase transformations, supplemented by practical case studies of engineering alloys.

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- Recent developments in metallic glasses
- The Scheil method of calculating a CCT diagram from a TTT diagram
- Expanded treatment of the nucleation and growth of polygonal ferrite and bainite
- New case studies covering copper precipitation hardening of very low carbon bainitic steel and very fine carbide-free bainite
- Detailed treatment of strain-induced martensite provides a theoretical background to transformation-induced plasticity (TRIP) steels

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