

# Particle Control for Semiconductor Manufacturing

Edited By  
**R.P. Donovan**



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# Particle Control For Semiconductor Manufacturing

**Zhe Xu**

A decorative red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

## **Particle Control For Semiconductor Manufacturing:**

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**Particles in Gases and Liquids 2** K.L. Mittal, 1991-03-31 This book chronicles the proceedings of the Second Symposium on Particles in Gases and Liquids Detection Characterization and Control held as a part of the 20th Annual Fine Particle Society meeting in Boston August 21-25 1989 As this second symposium was as successful as the prior one so we have decided to hold symposia on this topic on a regular biennial basis and the third symposium in this series is scheduled to be held at the 22nd Annual Meeting of the Fine Particle Society in San Jose California July 29-August 2 1991 As pointed out in the Preface to the prior volume in this series that recently there has been tremendous concern about yield losses due to unwanted particles and these unwelcome particles can originate from a legion of sources including process gases and liquids Also all signals indicate that in the future manufacture of sophisticated and sensitive microelectronic components with shrinking dimensions and other precision parts the need for detection characterization analysis and control of smaller and smaller particles will be more intensified

**Principles of Growth and Processing of Semiconductors** Subhash Mahajan, K. S. Sreeharsha, 1999 Developing the essential elements of semiconductor behaviour this text goes on to provide a conceptual framework and introduction to microelectronics Topics include semiconductors devices defects evaluation bulk growth epitaxial growth oxidation diffusion and ion implantation

*Microelectronic Manufacturing Yield, Reliability, and Failure Analysis*, 1997 **Semiconductor Manufacturing Handbook** Hwaiyu Geng, 2005-05-18 This handbook will provide engineers with the principles applications and solutions needed to design and manage semiconductor manufacturing operations Consolidating the many complex fields of semiconductor fundamentals and manufacturing into one volume by deploying a team of world class specialists it allows the quick look up of specific manufacturing reference data across many subdisciplines IEEE/SEMI Advanced Semiconductor Manufacturing Conference and Workshop, 1992 **IEEE Circuits & Devices**, 1991 Process, Equipment, and Materials Control in Integrated Circuit Manufacturing, 1997

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