



Metallic Films for Electronic, Optical and Magnetic Applications: Structure, Processing and Properties (Woodhead Publishing Series in Electronic and Optical Materials)

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Metallic films play an important role in modern technologies such as integrated circuits, information storage, displays, sensors, and coatings. *Metallic Films for Electronic, Optical and Magnetic Applications* reviews the structure, processing and properties of metallic films.

Part one explores the structure of metallic films using characterization methods such as x-ray diffraction and transmission electron microscopy. This part also encompasses the processing of metallic films, including structure formation during deposition and post-deposition reactions and phase transformations. Chapters in part two focus on the properties of metallic films, including mechanical, electrical, magnetic, optical, and thermal properties.

Metallic Films for Electronic, Optical and Magnetic Applications is a technical resource for electronics components manufacturers, scientists, and engineers working in the semiconductor industry, product developers of sensors, displays, and other optoelectronic devices, and academics working in the field.

- Explores the structure of metallic films using characterization methods such as x-ray diffraction and transmission electron microscopy
- Discusses processing of metallic films, including structure formation during deposition and post-deposition reactions and phase transformations
- Focuses on the properties of metallic films, including mechanical, electrical, magnetic, optical, and thermal properties

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