MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING
Functional Materials for (Opto)electronics, Sensors, Detectors, and Green Energy.

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DESCRIPTION

Materials Science in Semiconductor Processing provides a unique forum for the discussion of novel processing, applications and theoretical studies of functional materials and devices for (opto)electronics, sensors, detectors, biotechnology and green energy.

Each issue will aim to provide a snapshot of current insights, new achievements, breakthroughs and future trends in such diverse fields as microelectronics, energy conversion and storage, communications, biotechnology, (photo)catalysis, nano- and thin-film technology, hybrid and composite materials, chemical processing, vapor-phase deposition, device fabrication, and modelling, which are the backbone of advanced semiconductor processing and applications.

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INTRODUCTION

Materials Science in Semiconductor Processing provides a unique and much needed forum for the discussion of experimental and theoretical materials research stimulated by and applied to semiconductor processing.

Each issue will aim to provide a snapshot of current comprehension, new achievements, breakthroughs and future trends in such fields as ion implantation, diffusion and gettering, process and equipment modelling, metallization and interconnects, packaging, etc, which are the backbone of semiconductor device processing.

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