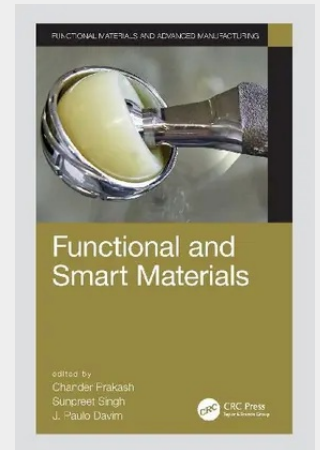


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This book presents a comprehensive and broad-spectrum picture of the state-of-the-art research, development, and commercial prospective of various discoveries conducted in the real world of functional and smart materials. This book presents various synthesis and fabrication routes of function and smart materials for universal applications such as material science, mechanical engineering, manufacturing, metrology, nanotechnology, physics, biology, chemistry, civil engineering, and food science. The content of this book opens various scientific horizons proved to be beneficial for uplifting the standards of day-to-day practices in the biomedical domain. Myriad innovations in the materials science and engineering are transforming our everyday lives in extraordinary ways. This book captures the emerging areas of materials science and advanced manufacturing engineering and presents recent trends in research for researchers, field engineers, and academic professionals.

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