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William D. Callister is currently an adjunct professor in the Department of Engineering at the University of Utah. His teaching interests include writing and revising introductory materials science and engineering textbooks, in both print and electronic formats.

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the sequence of topics taught in materials science and engineering courses in most universities in South Asia, while retaining the subject material of the seventh edition. · Materials of Importance pieces in most chapters provide relevance to the subject material. · Updated discussions on metals, ceramics and polymers. · Concept check questions test conceptual understanding. · CD-ROM packaged with the book contains the last five chapters in the book, answers to concept check questions and solutions to selected problems. · Virtual Materials Science and Engineering in CD-ROM to expedite learning process. · Integrates numerous examples throughout the chapters that show how the material is applied in the real world. · Professor Balasubramaniam was the recipient of several awards like the Indian National Science Academy Young Scientist Award (1993), Alexander von Humboldt Foundation fellowship (1997), Best Metallurgist Award by the Ministry of Steels and Mines and the Indian Institute of Metals (1999) and the Materials Research Society of Indian Medal (1999) and recently Distinguished Educator of the Year (2009). About The Book: Building on the success of previous edition, this book continues to provide engineers with a strong understanding of the three primary types of materials and composites, as well as the relationships that exist between the structural elements of materials and their properties. With improved and more interactive learning modules, this textbook provides a better visualization of the concepts. Apart from serving as a text book for the basic course in materials science and engineering in engineering colleges, the book covers topics that can be used to advantage even in specialized courses pertaining to engineering materials. The book can be consulted as a good reference source for important properties of a wide variety of engineering materials, which benefits a wide spectrum of future engineers and scientists.

Materials Science and Engineering, 9th Edition provides engineers with a strong understanding of the three primary types of materials and composites, as well as the relationships that exist between the structural elements of materials and their properties. The relationships among processing, structure, properties, and performance components for steels, glass-ceramics, polymer fibers, and silicon semiconductors are explored throughout the chapters.

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