

William F Smith is Professor Emeritus of engineering in the Mechanical and Aerospace Engineering Department of the University of Central Florida at Orlando, Florida. He was awarded an MS degree in metallurgical engineering from Purdue University and a ScD degree in metallurgy from Massachusetts Institute of Technology. Dr Smith, who is a registered professional engineer in the states of California and Florida, has been teaching undergraduate and graduate materials science and engineering courses and actively writing textbooks for many years. He is also the author of *Structure and Properties of Engineering Alloys*, Second Edition (McGraw-Hill, 1993).

Javad Hashemi is a Professor of Mechanical Engineering at Texas Tech University, where he has taught introduction to materials science since 1991. Javad received his PhD in Mechanical Engineering from Drexel University in 1988. Dr Hashemi has been teaching undergraduate and graduate materials and mechanics courses, as well as doing laboratory research at Texas Tech University. He is also the principal developer of the virtual laboratory modules present in the OLC of this book as part of a pilot project funded by the National Science Foundation, USA. Dr Hashemi's current research focus is the areas of materials, biomechanics, and education for engineers.

Dr Ravi Prakash is a Professor of Mechanical Engineering and Dean of Research and Consultancy Division at Birla Institute of Technology and Science, Pilani (BITS, Pilani). He has taught materials science and engineering courses to undergraduate and graduate students since 1976. He received his MSc (Engineering Design) degree in the year 1973 from Salford University, UK, and PhD (Materials Science) degree in the year 1975 from Ranfield University, UK.

Over a span of 35 years of a teaching and research career, he has produced more than 100 research papers, has guided nine PhDs and a number of postgraduate and undergraduate projects besides two MS (orthopaedics) dissertations. He has delivered several invited/keynote lectures and has worked on several sponsored research and consultancy projects. He has also been an expert member on several committees.