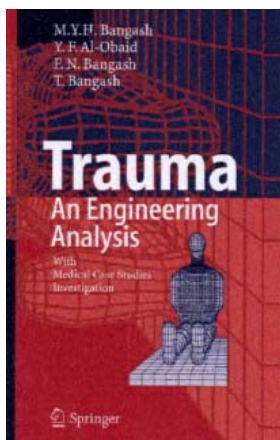


Trauma - An Engineering Analysis

With Medical Case Studies Investigation

Bangash, M.Y.H., Al-Obaid, Y.F., Bangash, F.N., Bangash, T.

2007, 844 p., 542 illus., 38 in colour., 44 tables., Hardcover, ISBN: 978-3-540-36305-7



The purpose of this book is to bring together experts from the medicals and engineering fields in which trauma acts as a fulcrum of understanding the engineering approach to medical cases. The emphasis of this book is on the retrospective study of medical scenarios as seen from the engineering perspective. An in-depth study is required to ensure the accuracy of both medical and engineering data. Where static, dynamic, temperature and impact loads and velocities/accelerations are unknown; they are evaluated using the material properties and fracture geometry of case studies. The book can be used by engineer and medical doctors actively involved in trauma and traumatic injuries, technologist, manufacturers, mathematicians and specialists in computer aided techniques and lawyers and experts in medico-legal cases involved in areas of validation and verifications. This book is also relevant to post graduate courses in trauma, biomechanics, medical equipments manufacture and for engineers, in particular, in the fields of impact, dynamics and medical management and trauma psychology.

266,43 €

Dedication

In memory of

AMMAR Y.F. ALOBAID

1981-2003

Ammar Yaqoob Alobaid, entered into eternal rest on April 25, 2003, surrounded by his loving father, mother, grandmothers, brothers, sister, family members and numerous friends. Born on May 11, 1981 in Manchester, United Kingdom. Ammar received his early education in Kuwait schools. Then he joined King Fahed Academy in London, U.K. 1989. In 1990 he joined AL Qattara school in Al Ein, U. A. E. After that, he pursued his studies in the U.S.A from 1998 till 2001. Owing to the events witnessed then, his study programme abroad was suspended. He, therefore joined the college of Technological Studies in Kuwait and was about to graduate from it when he passed away as a result of a grievous accident and traumatic injuries. His ambition could not be realized in time, when a contract was signed for this book. We decided, to dedicate this book in his name.

Prof .Dr. MYH BANGASH

Prof. Dr. Y.F. ALOBAID

Dr. F.N. BANGASH



Dr. T. BANGASH