

ABOUT THE AUTHOR

Manual 41 Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics, Third Edition

JOHN BARSOM

Dr. John Barsom is a consultant in the area of fracture mechanics, failure analysis, and accident reconstruction. He retired after 31 years with USX as Research Fellow and was chief of the Materials Behavior Division. Dr. Barsom has published more than 70 technical papers on fracture, fatigue, environmental effects, and steel properties.

Past chairman of ASTM Committee E08 on Fracture Testing, Dr. Barsom is a recipient of the ASTM Award of Merit and a fellow of the Society. He is also a fellow of ASM International, a fellow of ASSME, and, in 1983, was named Engineer of the Year by the ASME Pittsburgh Chapter. He is a member of the Project Oversight Committee of the SAC Steel Project on earthquake design and a member of the AISC (Pressure Vessel Research Council) Committee on Failure Modes of Components, the AISI Committee on Transportation and Infrastructure, and the NSBA (National Steel Bridge Alliance) Committee on Technology and Education.

Dr. Barsom holds a Ph.D. in mechanical engineering an M.S. in mathematics, and a B.S. in physics from the University of Pittsburgh.

STANLEY ROLFE

Dr. Stanley Rolfe is the Albert P. Learned Professor of Engineering at the University of Kansas and has for the past 30 years taught and conducted research on the fracture and fatigue behavior of materials, experimental stress analysis, fracture mechanics, and behavior of structural materials as related to the design of structures. He has published more than 70 technical papers on fracture, fatigue, and behavior.

He received the Irvin E. Youngberg Research Award from the University of Kansas and the University of Illinois College of Engineering Alumni Honor Award for distinguished service in engineering.

Dr. Rolfe holds a Ph.D. in civil engineering from the University of Illinois. He is a registered professional engineer in Pennsylvania and Kansas and a member of the National Academy of Engineering.