A. Fatigue
B. Failure Analysis
C. Criteria of Fracture and Failure
D. Damage and Micromechanics
E. Corrosion, Environmentally Assisted Cracking and Corrosion Fatigue
F. Extended Finite Elements Methods and their Application
G. Reliability and Integrity of Engineering Structures
H. Microstructurally Short Cracks
I. Simulation and Testing of Crack Propagation on all Length Scales
J. Residual Stresses

Approaches to topics can be theoretical, experimental, numerical, with special attention paid to practical approach.