Table of Contents

Chapter 1: Strength of Materials

Fracture Toughness Investigation of AL6082-T651 Alloy under Corrosive Environmental Conditions	
I. Alqahtani, A. Starra and M. Khan	3
Master S-N Curve Fatigue Life Prediction of a Railroad Car Bogie Based on Mesh Insensitive Structural Stress Method S. Türe and A. Mugan	15
Investigation of Fatigue Life by Four Point Bending Test of Recycled Asphalt Pavements B. Korzay, A. Aksoy and M.E. Tekin	25
Chapter 2: Architecture and Engineering Management in Construction	
Visual Renovation of Cultural Heritage Buildings through Advanced Construction Materials - 2D-Printed Protective Cladding on Facade Scaffolds V.M. Tepeliev	43
Saving Environment in Architecture Design through Illusion Method: A Literature Review F.Y. Pradika, F.X.T.B. Samodra and S. Cahyadini	49
Analysis of Benefits of RFID Technology Implementation in Improving Precast Concrete Material Management Systems in Indonesian Construction P. Arganiz and F. Muslim	65
Modelling HVAC System Degradation due to Climate Change using Stochastic Process B. Ryan and D. N. Bristow	83