Table of Contents

Preface	
Evaluation of Fatigue Life of Ultra-High-Strength Steel under Stress Corrosion Environment K.H. Gu, K.S. Lee, G.H. Lee and K.W. Nam	1
Effect of the Welded Zone Property on Behavior of a Dissimilar Superalloys Friction Joint under Creep Loading at Elevated Temperature - A Simulation Approach T.H. Tra	9
Tool Wear of Cubic Boron Nitride in Intermittent Cutting of Hardened Steel ASTM D2 with High-Pressure Coolant Supply T. Wada	19
Study the Impacts of Aggregate's Geometry and Cement Contents on Fresh and Hardened Properties of Concrete H.R. Darvishvand, S.A.H.S. Taghia and M. Ebrahimi	27
An Investigation into the Effect of Different Standard Instructions on the Fire Resistance Rating of Intumescent Coated Steel Sections A. Zaki, R.M. Elkady, T.M. Khalaf, M.A. Elkady and S. Shebl	45
Synthesis of Multiple Degrees-of-Freedom Compliant Parallel Mechanisms Using Improved Beam-Based Structural Optimization Method V.T. Nguyen, M.T. Nguyen and M.T. Pham	55
Theoretical Prediction of Quadruple-Pass Solar Air Heater with Longitudinal Fins by a One-Dimensional Approach P.B. Thao, D.C. Truyen and N.M. Phu	69
Determining the Thermal Properties of the Pangasius Using a Dual Needle Heat-Pulse Sensor D.H. Hoang, N.V. Dung and H.T.N. Huong	79
Electric Propulsion System Sizing Algorithm and Structural Design for Delivery Drone K.G.T. Diep and N.A. Vu	89
Design Process of Electric Vehicle Power System X.M. Pham, G.V. Bui, H. Pham and L.H.P. Pham	101
Design and Manufacture of Welding Fumes Electrostatic Precipitator and Parameter Study on Filtration Performance	
H.B.H. Nguyen, M.L. Du and T.H. Bui	115
Development a Warehouse Management Information System M.H. Phan and A.T. Tran	131
Capacity Planning Considering Uncertainty Factors M.H. Phan and T.D. Nguyen	145