

Preface

The volume contains selected, peer reviewed papers presented at the Conference on Future Engineering, held on 25-26 September 2014 in Korytnica, Poland. The papers are grouped into the following chapters: Chapter 1: Innovative Materials and Materials Processing Technologies in Mechanical Engineering; Chapter 2: Novel Engineering Solutions in Surface Engineering; Chapter 3: Innovative Technologies for Research and Design of Machines and Mechanisms; Chapter 4: Novel Methods for Measurement and Control in Technical Processes. The special volume covers the broad interdisciplinary domain of new research developments and practical applications of novel materials technologies including hybrid and multifunctional surfaces used in industry, prototype mechatronic and optomechatronic technologies and systems, advanced measurement techniques, optical inspection, and control systems.