

# Preface

The special volumes are to communicate the latest progress and research results of new theory, new technology, method, equipment and so on in advanced manufacturing technology field, and to grasp the updated technological and research trends in international, which will drive international communication and cooperation of production, education and research in this field.

The major topics covered by the special volumes include Anti-fatigue Design and Anti-fatigue Manufacturing, Manufacturing System and Reliability, Processing detection and monitoring-controlling, CIMS and management system, Production system mould and Simulation technology, Quality Control of Manufacturing Systems, Agile Manufacturing, Finite Element Analysis and structure optimization, Digital manufacturing and Robotics, Rapid prototyping technology, Reverse engineering technology, High-speed (Ultra high speed) precise cutting technology, Ultra precise processing technology, Micro machining technology, Pattern recognition technology, Image processing technology, Sensor and signal detection technology, Non traditional machining technology, Mine equipment manufacturing and technology, Advanced Manufacturing System and Technologies and so on.