

Contents

Foreword — V

Preface — VII

List of Contributing Authors — XIII

Beat Jeckelmann

International system of units: Concept and current design — 1

Walter Bich

Measurement uncertainty and metrological traceability — 23

Beat Jeckelmann and Ulrike Fuchs

The structure and organization of metrology — 57

Andy Henson

International recognition — 81

Robert Edelmaier

Impacts of metrology — 111

Sascha Eichstädt

Metrology for the digital age — 131

Index — 155

List of acronyms — 159