

---

# Contents

**Regina H. Mulder & Peter F.E. Sloane.** Introduction:  
vocational training in Europe: issues and research contexts, 7

*PART ONE: General Prospects*

**Robert-Jan Simons & Sanneke Bolhuis.** Constructivist  
Learning Theories and Complex Learning Environments, 13

**Hubert Ertl & Peter F.E. Sloane.** A Comparison of VET  
Structures in Germany and England: contexts of complex  
teaching-learning arrangements, 27

**Michael Eraut.** Deconstructing Apprenticeship Learning: what  
factors affect its quality? 45

**Regina H. Mulder.** Conditions for Instructional Design and  
Innovation in Vocational Education: successful design and  
implementation of complex learning environments, 59

**H.-Hugo Kremer.** New Technologies and Complex Teaching-  
Learning Arrangements, 71

*PART TWO: Case Studies*

**Franz Gramlinger.** The Advantages and Disadvantages of  
Learning and Teaching in a Practice Firm, 81

**Michaela Trummer.** Learning in Complex Environments:  
continuous quality improvement in Practice Firms, 91

**Susanne Weber.** Teaching Intercultural Competence: a  
simulation, 103

**Frank Achtenhagen.** Mastery Learning in and by Complex  
Teaching-Learning Environments, 115

**H.-Hugo Kremer.** Focus Groups as an Instrument for the  
Implementation of Didactic Innovation: concepts and  
experience, 131

**Peter F.E. Sloane.** The Application Transfer between Schools  
and Enterprises in the German Dual System: putting it into  
practice, 141

**Fabrice Hoff.** From Business to Game, 157

**Regina H. Mulder.** Design and Evaluation of Complex Learning  
Environments in Secondary Vocational Education, 171

Notes on Contributors, 185