

CONTENTS

List of Contributors

vii

**The Cross-Disciplinary Research Group: Overcoming isolation,
promoting communication and interdisciplinarity** 1

Rolf Wieseemes and Maria Karanika-Murray

**Complex systems and plastic brains: A trans-disciplinary
approach to education and the cognitive sciences** 9

Teresa N.R. Gonçalves

**Interdisciplinarity in the ecological systems paradigm:
How do we promote our future researchers' ecological thinking?** 25

Shoshana Keiny

Understanding teachers' use of educational technologies 39

Tony Fisher

**Drawing strands together: Cross-disciplinary dialogue around
computer-based assessment** 57

Brett Bligh

**Estonian Content and Language Integrated Learning
programme development viewed through the stakeholder
approach** 73

Peeter Mehisto and Hiie Asser

**Reverse intergenerational learning: Can barriers to learning be
overcome using reverse intergenerational learning so that
businesses maintain competitive advantage?** 89

Carol Baily

Building sustainable schools: Are places of social interaction more important than classrooms?	103
<i>Andrea Wheeler</i>	
Memory and assimilation: Philosophical issues in culturally significant architecture	119
<i>Fidel Meraz</i>	
Music – the visual arts – architecture: Meaning production in media systems	129
<i>Anna V. Ullrich</i>	
The need for and challenges of interdisciplinary research in biomedical neuroscience: Alzheimer's disease as a critical example	141
<i>Marie-Christine Pardon</i>	
Cross-disciplinary practice: Applications to Health Care	155
<i>Zoe Stamataki</i>	
The legal method reconsidered: Contextual legal research from an interdisciplinary perspective – towards developing a new paradigm	167
<i>Ubaldo R.M.Th. de Vries and Lyana M.A. Francot</i>	
Confronting internal and external problems of cross-, inter- and multi-disciplinarity: Researching cyber conflict and global politics	179
<i>Athina Karatzogianni</i>	
Index	191