## Contents

Cmaps with Errors: Why not? Comparing Two Cmap-Based Assessment Tasks to Evaluate Conceptual Understanding ................................. 1  
*Paulo Correia, Gisele Cabral, and Joana Aguiar*

Comparing Expert and Novice Concept Map Construction Through a Talk-Aloud Protocol ..................................................... 16  
*Beat A. Schwendimann*

Concept Mapping in High School: An Experience on Teaching Geography to Measure Deep, Surface and Non-learning Outcomes  ............... 29  
*Leandro Fabrício Campelo and Stela C. Bertholo Piconez*

Critiquing as an Alternative to Generating Concept Maps to Support Knowledge Integration Processes ............................................. 40  
*Beat A. Schwendimann*

Design and Validation of a Teaching Sequence Based on Concept Maps to Achieve Meaningful Learning of Science Content in Primary Education .............................................. 54  
*Guadalupe Martínez, Milagros Mateos, and Francisco L. Naranjo*

Eliciting, Representing, and Evaluating Adult Knowledge: A Model for Organizational Use of Concept Mapping and Concept Maps ........... 66  
*Brian Moon, Charles Johnston, Sana Rizvi, and Carl Dister*

Enhancing the Value of Active Learning Programs for Students’ Knowledge Acquisition by Using the Concept Mapping Method .................. 83  
*Priit Reiska, Aet Möllits, and Miia Rannikmäe*

Formative and Summative Assessment of Concept Maps .................................................. 98  
*R.C.V. Marriott and Patricia Lupion Torres*

Improving the Teaching of Children with Severe Speech-Language Difficulties by Introducing an Authoring Concept Mapping Kit ...................... 112  
*Ria Kicken, Elise Ernes, Ilja Hoogenberg-Engbers, and Gloria Gomez*

Is My Concept Map Large Enough? ........................................................................... 128  
*Alberto J. Cañas, Priit Reiska, and Joseph D. Novak*

Learning from Static versus Animated Pictures of Embodied Knowledge: A Pilot Study on Reconstructing a Ballet Choreography as Concept Map .................................................. 144  
*Bärbel Fürstenau, Maria Kuhtz, Boglárka Simon-Hatala, and Lenie Kneppers*
Using Concept Maps to Develop a Didactic Explanation of a Dress with Ambiguous Colours .................................................... 303
Francisco Luis Naranjo, Guadalupe Martínez, Ángel Luis Pérez,
Pedro J. Pardo, María Isabel Suero, and Manuel Melgosa

Using Semantic Reference Set of Linking Words for Concept Mapping in Biology ................................................................. 315
Meena Kharatmal and G. Nagarjuna

Author Index ............................................................................. 331
Innovating with Concept Mapping
7th International Conference on Concept Mapping, CMC
2016, Tallinn, Estonia, September 5-9, 2016,
Proceedings
Cañas, A.; Reiska, P.; Novak, J. (Eds.)
2016, XIII, 331 p. 117 illus., Softcover
ISBN: 978-3-319-45500-6