

Table of Contents

<i>Acknowledgement</i>	vii
<i>Contributors</i>	ix
1. Introduction; What Do You Mean By “Collaborative Learning”? <i>Pierre Dillenbourg</i>	1
2. Learning Together: Understanding the Processes of Computer-Based Collaborative Learning <i>Karen Littleton and Päivi Häkkinen</i>	20
3. The Role of Grounding in Collaborative Learning Tasks <i>Michael Baker, Tia Hansen, Richard Joiner and David Traum</i>	31
4. What is “Multi” in Multi-agent Learning? <i>Gerhard Weiss and Pierre Dillenbourg</i>	64
5. Comparing Human–Human and Robot–Robot Interactions <i>Richard Joiner, Kim Issroff and John Demiris</i>	81
6. Learning by Explaining to Oneself and to Others <i>Rolf Ploetzner, Pierre Dillenbourg, Michael Preier and David Traum</i>	103
7. Knowledge Transformations in Agents and Interactions: A Comparison of Machine Learning and Dialogue Operators <i>Engelbert Mephu Nguifo, Michael Baker and Pierre Dillenbourg</i>	122
8. Can Analytic Models Support Learning in Groups? <i>H. Ulrich Hoppe and Rolf Ploetzner</i>	147
9. Using Telematics for Collaborative Knowledge Construction <i>Tia Hansen, Lone Dirckinck-Holmfeld, Robert Lewis and Jože Rugelj</i>	169
10. The Productive Agency that Drives Collaborative Learning <i>Daniel L. Schwartz</i>	197
<i>References</i>	219
<i>Index</i>	243