

TOOLS FOR INNOVATION

CONTENTS

.....

1. The Cognitive Science of Innovation Tools ARTHUR B. MARKMAN AND KRISTIN L. WOOD	3
2. On “Out-of-the-Box” Thinking in Creativity ROBERT W. WEISBERG	23
3. “Putting Blinkers on a Blind Man”: Providing Cognitive Support for Creative Processes with Environmental Cues BO T. CHRISTENSEN AND CHRISTIAN D. SCHUNN	48
4. Thinking with Sketches BARBARA TVERSKY AND MASAKI SUWA	75
5. Supporting Innovation by Promoting Analogical Reasoning ARTHUR B. MARKMAN, KRISTIN L. WOOD, JULIE S. LINSEY, JEREMY T. MURPHY, AND JEFFREY P. LAUX	85
6. Constraints and Consumer Creativity C. PAGE MOREAU AND DARREN W. DAHL	104
7. The Development and Evaluation of Tools for Creativity STEVEN M. SMITH, ANDRUID KERNE, EUNYEE KOH, AND JAMI SHAH	128
8. ConceptNets for Flexible Access to Knowledge THOMAS B. WARD	153

9. Innovation Through tRaNsFoRmAtoNaL Design	171
VIKRAMJIT SINGH, BRANDON WALTHER, KRISTIN L. WOOD, AND DAN JENSEN	
10. Introduction of Design Enabling Tools: Development, Validation, and Lessons Learned	195
JOSHUA D. SUMMERS, SRINIVASAN ANANDAN, AND SUDHAKAR TEEGAVARAPU	
11. Supporting Innovative Construction of Explanatory Scientific Models	216
WILL BRIDEWELL, STUART R. BORRETT, AND PAT LANGLEY	
<i>Index</i>	235