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Titolo	Concept Invention : Foundations, Implementation, Social Aspects and Applications / / edited by Roberto Confalonieri, Alison Pease, Marco Schorlemmer, Tarek R. Besold, Oliver Kutz, Ewen Maclean, Maximos Kaliakatsos-Papakostas
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Nota di contenuto	Social Aspects of Conceptual Blending -- Enabling Technologies for Concept Invention -- Complex Numbers, Blending Lists, and Experiments with Alumni -- Formal Conceptual Blending in Generation and Co-invention in Mathematics -- Chord Blending, and Jazz Mathematical Cross-blending -- Conceptual Blending in Melodic Harmonization -- Evaluating Creativity -- Discussion, Conclusion and Future Perspectives.
Sommario/riassunto	This book introduces a computationally feasible, cognitively inspired formal model of concept invention, drawing on Fauconnier and Turner's theory of conceptual blending, a fundamental cognitive operation. The chapters present the mathematical and computational foundations of concept invention, discuss cognitive and social aspects, and further describe concrete implementations and applications in the fields of

musical and mathematical creativity. Featuring contributions from leading researchers in formal systems, cognitive science, artificial intelligence, computational creativity, mathematical reasoning and cognitive musicology, the book will appeal to readers interested in how conceptual blending can be precisely characterized and implemented for the development of creative computational systems.