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Titolo	Creativity and Innovation Among Science and Art : A Discussion of the Two Cultures // edited by Christine Charyton
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ISBN	1-4471-6624-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (251 p.)
Disciplina	150.1988 620 620.0042
Soggetti	Engineering design Positive psychology Engineering Design Positive Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- The Neurology of Creativity: Focus on Music -- Music Therapy: Bettering Lives One Note at a Time -- Enhancing Creativity Through Group Art Therapy -- Creativity in Theoretical Physics -- Fostering Creativity in Undergraduate Chemistry courses with In-Class Research Projects -- Creative engineering design: The meaning of creativity and innovation in engineering -- The Impact of Improvisation on Creativity: A Fractal Approach -- Art, Creativity and Culture: How Art Intersects with Science in the Expression of Artistic Creativity -- The Conversation -- Reflections of our conversation among the cultures in science and art -- Transdisciplinary and Future Directions from our conversation among the cultures in science and art.
Sommario/riassunto	This edited book will address creativity and innovation among the two cultures of science and art. Disciplines within science and art include: medicine (neurology), music therapy, art therapy, physics, chemistry, engineering, music, improvisation, education and aesthetics. This book will be the first of its kind to appeal to a broad audience of students, scholars, scientists, professionals, practitioners (physicians,

psychologists, counsellors and social workers), musicians, artists, educators and administrators. In order to understand creativity and innovation across fields, the approach is multidisciplinary. While there is overlap across disciplines, unique domain specific traits exist in each field and are also discussed in addition to similarities. This book engages the reader with the comparison of similarities and differences through dialog across disciplines. Authors of each chapter address creativity and innovation from their own distinct perspective. Each chapter is transdisciplinary in approach. These perspectives entail a representation of their field through research, teaching, service and/or practice.

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