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| Nota di contenuto       | 1. The project of design research / David Leatherbarrow -- 2. One step towards an ecology of design : fields of relations and bodies of knowledge / Christopher Hight -- 3. On the emergence of research by design and practice-based research approaches in architectural and urban design / Halina Dunin-Woyseth and Fredrik Nilsson -- 4. Towards meeting the challenges of facilitating transdisciplinarity in design education, research and practice / Mark Burry -- 5. Beyond Kenkyushitsu and atelier - towards a new professional education and practice / Hidetoshi Ohno and Bruno Peeters -- 6. Reality studio : a search for design tools to meet complexity / Inger-Lise Syversen -- 7. Research by design in the context of the OCEAN Design Research Association / Michael U. Hensel, Defne Sunguroglu Hensel and Jeffrey P. Turko -- 8. Systems-oriented design for the built environment / Birger Sevaldson -- 9. Performance-oriented design as a framework for renovating architectural practice and innovating research by design / Michael U. Hensel -- 10. The Research Centre for Architecture and Tectonics - implementing research towards performance-oriented architecture / Michael U. Hensel -- 11. How can biology inform |

architects? / Julian Vincent -- 12. Relational practice / Siv Stangeland and Reinhard Kropf -- 13. Studio integrate : interview with a young practice focusing on research by design / Michael U. Hensel in conversation with Mehran Gharleghi and Amin Sadeghy -- 14. Multiplying the ground / Eva Castro and Alfredo Ramirez -- 15. Building communication by design : mobile fiction and the city / Andrew Morrison and Henry Mainsah -- 16. Making material of the networked city / Einar Sneve Martinussen.

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### Sommario/riassunto

"Today architecture and other fields in the built environment face the steep task of answering complex questions pertaining to sustainability, performance, and adaptability. How are these disciplines to accomplish these difficult tasks at such an immense pace? How might architectural practice renovate itself accordingly? Worldwide it is becoming increasingly clear that different modes of research are emerging which are triggered directly by the need to renovate practice. One significant prevailing mode is what has come to be known as 'research by design'. This book delivers an overview of this pluralistic domain. Bringing together a range of leading architects, architectural theorists, and designers, it outlines the developments in current practice from leading individuals based in the USA, UK, Australia, Japan and Europe. Edited by a recognized expert, this book exposes the undercurrent of research, which is taking place and how this will contribute to the renovation of architectural practice"--Provided by publisher.

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