1. Record Nr. UNINA9910847573903321

Autore	Kemmler Wolfgang
Titolo	Whole-Body Electromyostimulation : Effects, Limitations, Perspectives of an Innovative Training Method / / by Wolfgang Kemmler, Michael Fröhlich, Christoph Eifler
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-56710-2
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (60 pages)
Collana	Springer essentials, , 2731-3115
Disciplina	362.4048
Soggetti	Biology Physical education and training Sports sciences Recreation - Equipment and supplies Biological Sciences Sport Training Sport Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Methods and procedures of WB-EMS -- Potential risks, recommendations and contraindication for WB-EMS application -- Evidence of WB-EMS on different outcomes -- Development of WB-EMS with Germany as an blueprint for an early established market -- Literature.
Sommario/riassunto	This essential is intended as a compact reference for issues and aspects related to the innovative training technology of whole-body electromyostimulation (WB-EMS). In addition to background and information on WB-EMS application, in which the authors pay particular attention to safe and effective use, there is a current overview of research results summarizing the effects of WB-EMS on various target outcomes. Finally, a characterization of the market situation, current trends and a forecast of developments in the field of WB-EMS is presented. Content Introduction to WB-EMS Methods and procedures of WB-EMS Scientific evidence on different fitness- and health-related outcomes Recommendations for effective and safe WB-EMS Market

	situation and future developments Target Groups Scientific and commercial users of WB-EMS Trainees and students in the health- and therapy-oriented sport and fitness domain Authors Prof. Dr. Wolfgang Kemmler, Institute of Medical Physics, Friedrich-Alexander-University Erlangen-Nürnberg and Institute of Radiology, University-Hospital Erlangen, Germany; Round-Table WB-EMS, Germany Prof. Dr. Michael Fröhlich, Department of Sports Science, Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau, Kaiserslautern, Germany; Round-Table WB-EMS, Germany Prof. Dr. Christoph Eifler, German University for Prevention and Health Management, Saarbrücken, Germany; Round-Table WB-EMS, Germany.

2. Record Nr. UNINA9910349435803321

Titolo	Cellular Automata and Discrete Complex Systems : 24th IFIP WG 1.5 International Workshop, AUTOMATA 2018, Ghent, Belgium, June 20–22, 2018, Proceedings / / edited by Jan M. Baetens, Martin Kutrib
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ISBN	9783319926759 3319926756
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (IX, 143 p. 38 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10875
Disciplina	511.3
Soggetti	Computer science Artificial intelligence Machine theory Computer science - Mathematics Numerical analysis Theory of Computation Artificial Intelligence Formal Languages and Automata Theory Mathematical Applications in Computer Science Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Gauge-Invariant Reversible Cellular Automaton -- Counter Machines and Distributed Automata -- Boolean Networks: Beyond Generalized Asynchronicity -- Evaluating the Quality of Local Structure Approximation Using Elementary Rule 14 -- On Dynamical Complexity of Surjective Ultimately Right-Expansive Cellular Automata -- Sequentializing Cellular Automata -- Glider Automorphisms on Some Shifts of Finite Type and a Finitary Ryan's Theorem -- Hierarchies and Undecidability Results for Iterative Arrays with Sparse Communication -- Construction of Some Nonautomatic Sequences by Cellular Automata -- Any Shape can Ultimately Cross Information on Two-Dimensional Abelian Sandpile Models.
Sommario/riassunto	This volume constitutes the thoroughly refereed proceedings of the 24th IFIP WG 1.5 International Workshop on Cellular Automata and Discrete Complex Systems, AUTOMATA 2018, held in Ghent, Belgium, in June 2018. The 10 regular papers presented in this book were carefully reviewed and selected from a total of 16 submissions. The papers highlight the major advances in the field and the development of new tools, support the development of theory and applications of CA and DCS and identify and study within an inter- and multidisciplinary context, the important fundamental aspects, concepts, notions and problems concerning CA and DCS. .