



The Fundamentals of Systems Thinking, Management & Effective Leadership Strategy, Process, Organization, & Tools/Technologies

By **Sławomir Wyciślak** (*Jagiellonian University, Poland*)
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ABOUT THE BOOK

This comprehensive book intricately weaves together the disciplines of systems thinking, management, educational leadership, complexity science, and diversity. Unique in its approach, it bridges theoretical concepts with real-world applications providing educators, managers, and leaders with practical tools and strategies for implementing systems thinking in diverse educational and managerial contexts. This book is particularly valuable for those interested in emergent learning, future planning, and decision-making processes.

Designed for a broad audience, this book is an ideal resource for those seeking to enhance their strategic thinking and decision-making skills in dynamic and diverse environments. Readers will find a thoughtful blend of theory and practice, with each chapter presenting examples and case studies that demonstrate the application of systems thinking in various scenarios.

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Whether you are an educator seeking innovative approaches to teaching and curriculum development, a manager looking to foster a more inclusive and systemic approach in your organization, or a leader navigating complex challenges, this book offers you valuable insights and guidance. It stands as a testament to the power of interdisciplinary thought and the importance of integrating diversity and complexity into management and educational practices.

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- Management and Systems Thinking
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Michael A Radin is an Associate Professor of mathematics at the Rochester Institute of Technology, USA. Dr Radin is also an International Scholar at Riga Technical University; Department of Engineering Economics and Management at the Yuriy Bugay International & Scientific Technical University in Kiev, Ukraine; Jagiellonian University in Krakow, Poland; and College of Economics and Informatics in Krakow, Poland. Dr Radin is an author of several textbooks including *Difference Equations for Scientists and Engineering* (World Scientific Publishing Company, 2019); *Introduction to Recognition and Deciphering of Patterns* (CRC Press–Taylor & Francis, 2020); *Max–Type and Piece–wise Difference Equations: Periodic and Eventually Periodic Solutions* (CRC Press–Taylor & Francis, 2020); *Introduction to Math Olympiad Problems* (CRC Press–Taylor & Francis, 2021); *Analyzing Mathematical Patterns — Detection & Formulation* (World Scientific Publishing Company, 2022); *International & Multidisciplinary Pedagogy — Success & Challenges* (World Scientific Publishing Company, 2022); and *Designing an Innovative Online Teaching & Learning Environment* (World Scientific Publishing Company, 2023).

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