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## Meta-Heuristics Optimization Algorithms in Engineering, Business, Economics, and Finance

Pandian Vasant (Petronas University of Technology, Malaysia)

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**Meta-Heuristics Optimization Algorithms in Engineering, Business, Economics, and Finance** explores the emerging study of meta-heuristics optimization algorithms and methods and their role in innovated real world practical applications. This book is a collection of research on the areas of meta-heuristics optimization algorithms in engineering, business, economics, and finance and aims to be a comprehensive reference for decision makers, managers, engineers, researchers, scientists, financiers, and economists as well as industrialists.

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### Meta-Heuristics Optimization Algorithms in Engineering, Business, Economics, and Finance



Pandian Vasant

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**Pandian Vasant** is a Senior Lecturer of Engineering Mathematics for Electrical & Electronics Engineering Program and Fundamental & Applied Sciences Department at University Technology Petronas in Tronoh, Perak, Malaysia. He has graduated in 1986 from University of Malaya (MY) in Kuala Lumpur, obtaining his BSc Degree with Honors (II Class Upper) in Mathematics, and in 1988 also obtained a Diploma in English for Business from Cambridge Tutorial College, Cambridge, England. In the year 2002 he has obtained his MSc (By Research) in Engineering Mathematics from the School of Engineering & Information Technology of University of Malaysia Sabah, Malaysia, and has a Doctoral Degree (2008) from University Putra Malaysia in Malaysia. After graduation, during 1987-88 he was Tutor in operational research at University Science Malaysia in Alor Setar, Kedah and during 1989-95 he was Tutor of Engineering Mathematics at the same university but with Engineering Campus at Tronoh, Perak. There after during 1996-2003 he became a lecturer in Advanced Calculus and Engineering Mathematics at Mara University of Technology, in Kota Kinabalu. He became Senior Lecturer of Engineering Mathematics in American Degree Program at Nilai International College (Malaysia), during 2003-2004 before taking his present position at University Teknologi Petronas in Malaysia. His main research interests are in the areas of Optimization Methods and Applications to Decision Making and Industrial Engineering, Fuzzy Optimization, Computational Intelligence, and Hybrid Soft Computing. Vasant has co-authored 200 research papers and articles in national journals, international journals, conference proceedings, conference paper presentation, and special issues guest editor, lead guest editor for book chapters' project, conference abstracts, edited books and book chapters. In the year 2009, Vasant was awarded top reviewer for the journal *Applied Soft Computing* (Elsevier). He has been Co-editor for AIP Conference Proceedings of PCO (Power Control and Optimization) conferences since 2008 and editorial board member of international journals in the area of Soft Computing, Optimization and Computer Applications. Currently he's a lead managing editor for GJTO (Global Journal Technology & Optimization), Editor-in-Chief of the *International Journal of Energy Optimization and Engineering* (IGI Global) and organizing committee member (PCO Global) for PCO Global conferences.

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