

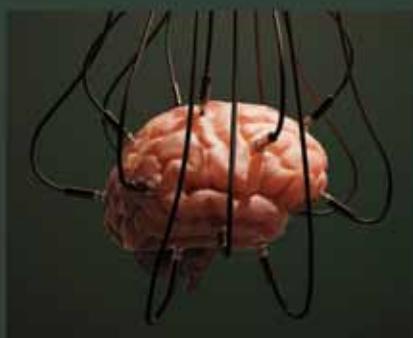
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Logistics Management and Optimization through Hybrid Artificial Intelligence Systems

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Logistics Management and Optimization through Hybrid Artificial Intelligence Systems



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Arturo Hernandez & Miguel Basurto

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Hybrid Artificial Intelligent Systems (HAIS) try to deal with the complexity of real world phenomena using a multidisciplinary approach and a plurality of techniques.

Logistics Management and Optimization through Hybrid Artificial Intelligence Systems offers the latest research within the field of HAIS, surveying the broad topics and collecting case studies, future directions, and cutting edge analyses. Using biologically-inspired algorithms such as ant colony optimization and particle swarm optimization, this text includes solutions and heuristics for practitioners and academics alike, offering a vital resource for staying abreast in this ever-burgeoning field.

Topics Covered:

- Distributed logistics
- Hybrid metaheuristics
- Intelligent optimization
- Inventory control
- Logistics management
- Network configuration
- Particle swarm optimization
- Procurement strategies
- Production planning
- Vehicle fleet management

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Alberto Ochoa Ortiz-Zeazzatti (B.S. '94, Eng. Master '00, Ph.D. '04, Postdoctoral Researcher '06, and Industrial Postdoctoral Research '09). He joined the Juarez City University in 2008. He has 1 book, and 7 chapters in books related with AI. He has supervised 17 Ph.D. theses, 27 M.Sc. theses and 29 undergraduate theses. He participated in the organization of COMCEV'07, COMCEV'08, HAIS'07, HAIS'08, HAIS'09, HAIS'10, HAIS'11, HAIS'12, ENC'06, ENC'07, ENC'08 and MICAP'08, MICAP'09, MICAP'10 & MICAP'11. His research interests include evolutionary computation, natural processing language, anthropometrics characterization and Social Data Mining. In his second Postdoctoral Research participated in an internship in ISTC-CNR in Rome, Italy.

Section 1: Logistics of Products and Services

Chapter 1

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