

In the name of God

Curriculum Vitae



Morteza Pakdaman,
Professor Assistant, Ph.D., Control and Optimization
Address: Climatology of Atmospheric Disasters Division(CADD), Climatological Research
Institute (CRI), P.O.B: 91735-676, Mashhad, Iran
Email: pakdaman@cri.ac.ir; pakdaman.m@gmail.com

Education

Ferdowsi University of Mashhad, Mashhad, Iran
Ph.D. Applied Mathematics (control and optimization),

Teaching Experience (from 2006 to now)

- Calculus 1,2
- Applied mathematics
- Linear and non-linear optimization
- Ordinary differential equations
- Numerical analysis
- Fuzzy sets for industrial engineering
- Nonlinear optimization
- Operations research 1,2
- Mathematical software

Areas of Expertise

- Optimization
- Optimal control
- Fuzzy sets and neural networks
- Climate Modelling

Journal Publications

No	Title	Journal	Year
1	Artificial neural network approach for solving fuzzy differential equations	Elsevier (ISI): <i>Information sciences</i>	2010
2	Ordinary Differential Equations Solution in Kernel Space	Springer (ISI): <i>Neural Computing and Applications</i>	2010

3	<u>Erratum</u> to “A new branch and bound method with pretreatment for the binary quadratic programming” [Appl. Math. Comput. 192 (2007) 252–259]	Elsevier (ISI): <i>Applied Mathematics and Computation</i>	2011
4	<u>A note on</u> “A new local and global optimization method for mixed integer quadratic programming problems” by G.Q. Li et al.	Elsevier (ISI): <i>Applied Mathematics and Computation</i>	2011
5	Unsupervised kernel least mean square algorithm for solving ordinary differential equations	Elsevier (ISI): <i>Neurocomputing: Impact</i>	2011
6	A new fuzzy neural network model for solving fuzzy linear programming problems and its applications	Springer (ISI): <i>Neural Computing and Applications</i>	2010
7	Fuzzy Circuit Analysis	Journal name: IJAER	2008
8	Solving the Interval-Valued Linear Fractional Programming Problem	<i>American Journal of Computational Mathematics</i> , 2012, 2, 51-55	2012
9	Optimal control problem via neural networks	Springer (ISI): <i>Neural Computing and Applications</i>	2012
10	Bounds for convex quadratic programming problems and some important applications	<i>International Journal of Operational Research</i>	2015
11	Approximating the Solution of Optimal Control Problems by Fuzzy Systems	Springer (ISI): <i>Neural Processing Letters</i>	2015
12	On fuzzy linear projection equation and applications	Springer (ISI): <i>Fuzzy optimization and decision making</i>	2015
13	Fuzzy Projection Over a Crisp Set and Applications	Springer (ISI): <i>International Journal of Fuzzy Systems</i>	2016
14	A Neural Network Approach for Solving a Class of Fractional Optimal Control Problems	Springer (ISI): <i>Neural Processing Letters</i>	2016
15	Analysing the solution of production-inventory optimal control systems by neural networks	<i>RAIRO - Operations Research</i>	2016
16	Solving differential equations of fractional order within an optimization based on neural network	Elsevier (ISI): <i>Applied Mathematics and Computation</i>	2017
17	Exact and approximate solution for optimal inventory control of two-stock with reworking and forecasting of demand	Springer (ISI): <i>Operational research</i>	2017

18	Optimal control model for finite capacity continuous MRP with deteriorating items	Springer (ISI): Journal of Intelligent Manufacturing	2018
19	A new continuous time optimal control model for manpower planning with promotion from inside the system	Springer (ISI): Operational research	2018
20	A delayed optimal control model for multi-stage production-inventory system with production lead times	Springer (ISI): The International Journal of Advanced Manufacturing Technology	2018