2020 4th Conference on Swarm Intelligence and Evolutionary Computation (CSIEC 2020)

Mashhad, Iran 2 – 4 September 2020



IEEE Catalog Number: CFP2
ISBN: 978-1

CFP20CHQ-POD 978-1-7281-7221-7

Copyright © 2020 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number: CFP20CHQ-POD ISBN (Print-On-Demand): 978-1-7281-7221-7 ISBN (Online): 978-1-7281-7553-9

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

Author(s)	Paper Title	Page Number
Mohadese Soleimanpour-		
Moghadam,	Simplified Power Allocation Method for AF-	1
Mohammad Askarizade	Based Multi-Antennas Multiple Relays Networks	1
Siamak Talebi		
Mohadese Soleimanpour-	Discrete Genetic Algorithm for Solving Task Allocation of Multi-robot Systems	6
Moghadam,		
Hossein Nezamabadi-pour		
Nasibeh Rady Raz,		
Mohammad-R. Akbarzadeh-	Biosensors Localization for Swarm Medical	10
Т.,	Delivery	10
Saeed Setayeshi		
Maryam Amiri Tehranizadeh,		
Fatemeh Sarani Rad,	Modification of Permutation Method in Multi- Criteria Decision Making Using PSO-SA	15
Marzieh Yousefi,		
Hessam Zand Hessami,	Cheria Decision Making Using 150-5A	
Matin Rahmatian		
Seyed Mohamad Ali Tousi,	Design of Self Tuning PID Controller Based on Competitional PSO	22
Abbas Mostafanasab,		
Mohammad Teshnehlab	Competitional 150	
Mohsen Shahrouzi,	Design of Large-Scale Structures by an Enhanced	
Alireza Salehi	Metaheuristic Utilizing Opposition-based	27
1 mrozu Surom	Learning	
Azadeh Haratiannezhadi,		
Saeed Setayeshi,	Boosting Model of Attention Network Task	32
Javad Hatami		
Mohammad Akafan,	A Multi-agent PSO Algorithm to Determine the	
Behrouz Minaei-Bidgoli,	Membership Percentage of Each Node in	37
Alireza Bagheri	Overlapping Community in Social Networks	