



Conference proceedings | © 2018

Intelligent Engineering Informatics

Proceedings of the 6th International Conference on FICTA

Home > Conference proceedings

Editors: <u>Vikrant Bhateja</u>, <u>Carlos A. Coello Coello</u>, <u>Suresh Chandra Satapathy</u>, <u>Prasant Kumar Pattnaik</u>

Presents recent research on Intelligent Engineering Informatics

Includes original papers by prominent researchers, scientists, engineers, and practitioners

Encompasses theories, methodologies, new ideas, experiences, and applications in intelligent computing

Part of the book series: Advances in Intelligent

Systems and Computing (AISC, volume 695)

92k Accesses | 275 Citations

Sections

Table of contents

About this book

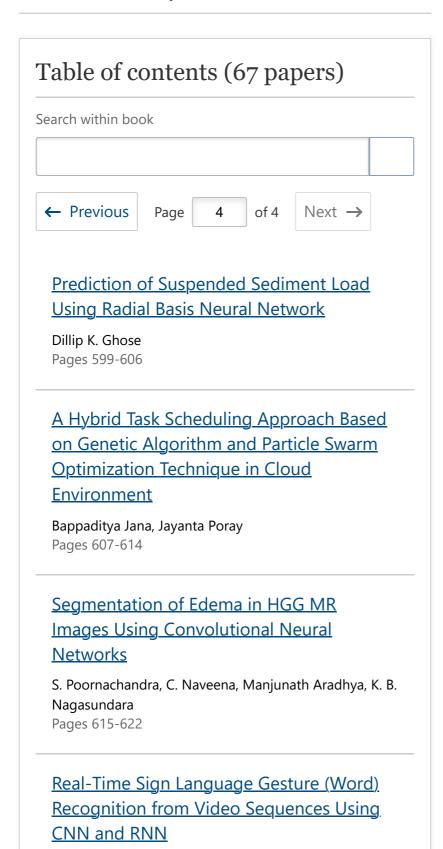
Keywords

Editors and Affiliations

About the editors

Bibliographic Information

This is a preview of subscription content, <u>access via</u> <u>your institution</u>.



Sarfaraz Masood, Adhyan Srivastava, Harish Chandra Thuwal, Musheer Ahmad

Pages 623-632

<u>Application of Soft Computing in Crop</u> <u>Management</u>

Prabira Kumar Sethy, Gyana Ranjan Panigrahi, Nalini Kanta Barpanda, Santi Kumari Behera, Amiya Kumar Rath

Pages 633-646

A Hybrid Shadow Removal Algorithm for Vehicle Classification in Traffic Surveillance System

Long Hoang Pham, Hung Ngoc Phan, Duong Hai Le, Synh Viet-Uyen Ha

Pages 647-655

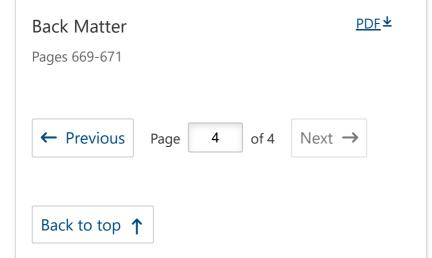
Real-Time Analysis of a Nonlinear State Observer with Improved Disturbance Compensation for Sensorless Induction Motor

S. Mohan Krishna, J. L. Febin Daya, C. Kamal Basha Pages 657-668

<u>Correction to: Cloud Adoption: A Future</u> <u>Road Map for Indian SMEs</u>

Biswajit Biswas, Sajal Bhadra, Manas Kumar Sanyal, Sourav Das

Pages E1-E1



About this book

This book presents the proceedings of the 6th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2017), held in Bhubaneswar, Odisha. The event brought together researchers, scientists, engineers, and practitioners to exchange their new ideas and experiences in the domain of intelligent computing theories with prospective applications to various engineering disciplines. The book is divided into two volumes: Information and Decision Sciences, and Intelligent Engineering Informatics.

This volume covers broad areas of Intelligent Engineering Informatics, with papers exploring both the theoretical and practical aspects of various areas like ANN and genetic algorithms, human–computer interaction, intelligent control optimisation, intelligent e-learning systems, machine learning, mobile computing, multi-agent systems, etc. The book also offers a valuable resource for students at the post-graduate level in various engineering disciplines.

Back to top ↑

Keywords

FICTA 2017 FICTA Proceedings

Signal Processing Soft Computing

Swarm Intelligence Control Systems

Genetic Algorithms

Human-Computer Interaction

Intelligent Control Optimization

Intelligent E-learning Systems

complexity

Back to top ↑



Editors and Affiliations

Department of Electronics and Communication Engineering, SRMGPC, Lucknow, India

Vikrant Bhateja

Departamento de Computación, **CINVESTAV-IPN, Mexico City, Mexico**

Carlos A. Coello Coello

Department of Computer Science and Engineering, PVP Siddhartha Institute of Technology, Vijayawada, India Suresh Chandra Satapathy

School of Computer Engineering, KIIT University, Bhubaneswar, India

Prasant Kumar Pattnaik

Back to top ↑

About the editors

Vikrant Bhateja is an Associate Professor at the Department of ECE, SRMGPC, Lucknow and also the Head of Academics & Quality Control at the same college. His areas of research include digital image and video processing, computer vision, medical imaging, machine learning, pattern analysis and recognition. He has authored more than 120 publications in various international journals and conference proceedings. Prof Vikrant is an associate editor for the International Journal of Synthetic Emotions (IJSE) and International Journal of Ambient Computing and Intelligence (IJACI).

Carlos A. Coello Coello received his PhD from Tulane University (USA) in 1996. His research has mainly focused on the design of new multi-objective optimisation algorithms based on bio-inspired metaheuristics. He has authored over 450 publications and is currently a Full Professor at the Computer Science Department at CINVESTAV-IPN in Mexico City, Mexico. An associate editor of the IEEE Transactions on Evolutionary Computation, he has received several prestigious awards including the 2013 IEEE Kiyo Tomiyasu Award "for pioneering contributions to single- and multiobjective optimization techniques using bioinspired metaheuristics". His current research interests include evolutionary multi-objective optimisation and constraint-handling techniques for evolutionary algorithms.

Suresh Chandra Satapathy, PhD, is currently working as Professor and Head of the Department of CSE, PVPSIT, Vijayawada, India. He was the National Chairman Div-V (Educational and Research) of the Computer Society of India from 2015 to 2017. A Senior Member of the IEEE, he has been instrumental in organizing more than 18 International conferences in India and has edited more than 30 books as a Corresponding Editor. He is highly active in research in the areas of Swarm Intelligence, Machine Learning, and Data Mining. He has developed a new optimization algorithm known as Social Group Optimization (SGO) and authored more than 100 publications in reputed journals and conference proceedings. Currently, he serves on the editorial board of the journals IGI Global, Inderscience, and Growing Science.

Prasant Kumar Pattnaik, PhD, (Computer Science), Fellow IETE, Senior Member IEEE, is a Professor at the School of Computer Engineering, KIIT University, Bhubaneswar, India. With more than a decade of teaching and research experience, Dr. Pattnaik has published a number of research papers in peer-reviewed international journals and conferences. His areas of specialization include mobile computing, cloud computing, brain–computer interface and privacy preservation.

Back to top ↑

Bibliographic Information

Book Title Intelligent Engineering Informatics	Book Subtitle Proceedings of the 6th International Conference on FICTA	Editors Vikrant Bhateja, Carlos A. Coello Coello, Suresh Chandra Satapathy, Prasant Kumar Pattnaik
Series Title Advances in Intelligent Systems and Computing	DOI https://doi.org/ 10.1007/978- 981-10-7566-7	Publisher Springer Singapore
eBook Packages Engineering, Engineering (R0)	Copyright Information Springer Nature Singapore Pte Ltd. 2018	Softcover ISBN 978-981-10-7565-0 Published: 11 April 2018
eBook ISBN 978-981-10- 7566-7 Published: 10 April 2018	Series ISSN 2194-5357	Series E-ISSN 2194-5365
Edition Number 1	Number of Pages XX, 671	Topics Computational Intelligence, Artificial

<u>Dynamical</u>
<u>Systems</u>, <u>Control</u>
<u>Structures and</u>
<u>Microprogrammi</u>
<u>ng</u>, <u>Mobile</u>
<u>Computing</u>

Back to top ↑

Not logged in - 106.212.87.71

Not affiliated

SPRINGER NATURE

© 2023 Springer Nature Switzerland AG. Part of Springer Nature.