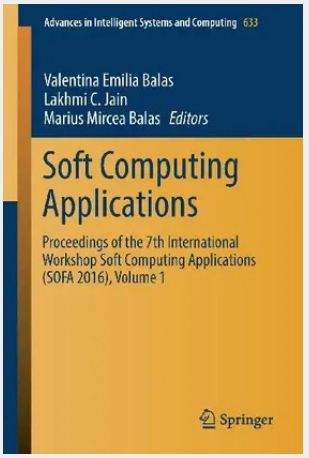
Balas / Jain

Soft Computing Applications

Proceedings of the 7th International Workshop Soft Computing Applications (SOFA 2016) , Volume 1



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The soft computing concept was introduced by Lotfi Zadeh in 1991 and serves to highli

ght the emergence of computing methodologies in which the accent is on exploiting the tolerance for imprecision and uncertainty to achieve tractability, robustness and lower costs. Soft computing facilitates the combined use of fuzzy logic, neurocomputing, evolutionary computing and probabilistic computing, leading to the concept of hybrid intelligent systems. The rapid emergence of new tools and applications calls for a synergy of scientific and technological disciplines in order to reveal the great potential of soft computing in all domains.

The conference papers included in these proceedings, published post-conference, were grouped into the following areas of research:

- Methods and Applications in Electrical Engineering
- Knowledge-Based Technologies for Web Applications, Cloud Computing, Security Algorithms and Computer Networks
- Biomedical Applications
- Image, Text and Signal Processing
- Machine Learning and Applications
- &nb

sp; Business Process Management

- Fuzzy Applications, Theory and Fuzzy Control
- Computational Intelligence in Education
- Soft Computing & Fuzzy Logic i

n Biometrics (SCFLB)

- Soft Computing Algorithms Applied in Economy, Industry and Communication Technology
- Modelling and Applications in Textiles

The book helps to disseminate advances in selected active research directions in the field of soft computing, along with current issues and applications of related topics. As such, it provides valuable information for professors, researchers and graduate students in the area of soft computing techniques and applications.

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