World Congress On Nature and Biological Inspired Computing
NaBIC2009

A Special Session on Nature Inspired Soft Computing Techniques for Agriculture and Social Sciences

Nature has always been a source of inspiration for innovating new concepts, techniques and computational applications in diverse fields. Many soft computing methods, extensively used in the various fields of computer science and business world, are also biologically inspired and are based on nature's problem solving strategies. Their use in agricultural and social sciences is gaining momentum. The session is primarily aimed on exploring the potential of soft computing techniques and applications in agriculture and social sciences. It is intended to identify and discuss the common problems faced by researchers applying these techniques for such complex domains. The session also serves as a vehicle to make other researchers more aware of the needs and opportunities coming out of the specific context provided by agricultural domain

The topics covered by the session include but certainly not limited to:

- Applications of Soft Computing in Agriculture and Social Sciences

- Expert Systems in Agriculture and Social Sciences

- Multi-Agent System Applications in Agriculture and Social Sciences

- Soft Computing for Pests and Disease Forewarning System

- Semantic Web Applications in Agriculture and Social Sciences

- Data Mining for Agriculture and Social Sciences

- Genetic Algorithms, Rough sets and Fuzzy sets for Agricultural Domain

- Swarm Intelligence applications in Agriculture and Social Sciences

- Artificial Neural Networks in Agriculture and Social Sciences

- Soft computing and Bio-informatics

- Soft computing and Plant/Animal Biotechnology

- Uncertainty Handling in Agriculture and Bio-informatics

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