

Best Paper Awards of ANNIE 2005

NOVEL SMART ENGINEERING SYSTEM DESIGN AWARD

Best Paper

Probabilistic Neural Network: Comparison of the Cross-Validation Approach and a Fast Heuristic to Choose the Smoothing Parameters

by Mingyu Zhong, Joshua Hecker, Ian Maidhof, Phillip Shibly, Michael Georgiopoulos, Mansooreh Mollaghasemi, Samuel Richie
University of Florida, Florida, USA

Georgios Anagnostopoulos
Florida Institute of Technology, Florida, USA

First Runner-Up

Use of Neural Networks to Develop Robust Backcalculation Algorithms for Nondestructive Evaluation of Flexible Pavement Systems

by Halil Ceylan, Mustafa Birkan Bayrak, Alper Guclu
Iowa State University, Iowa, USA

Second Runner-Up

Optimal Asset Allocation Using Reinforcement Learning: A Case Study

by Hailin Li, Cihan H. Dagli, David Enke
University of Missouri - Rolla, Missouri, USA

Best Paper

Synchronization of Lorenz Systems by Adaptive Observation

by Yufang Jin
University of Texas - San Antonio, Texas USA

Zihua Qu,
University of Central Florida, Florida USA

First Runner-Up

An Algorithm Based on Differential Evolution for Multiobjective Problems

by Luis V. Santana-Quintero, Carlos A. Coello Coello
CINVESTAV-IPN, Mexico D. F., Mexico

Second Runner-Up

Multi-Clustering: Avoiding The Natural Shape of Underlying Metrics

by Daniel Ashlock
University of Guelph, Ontario, Canada

Eun-Youn Kim, Ling Guo,
Iowa State University , Iowa USA
