

# Best Paper Awards of ANNIE 2004

## NOVEL SMART ENGINEERING SYSTEM DESIGN AWARD

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### Best Paper

Use of Artificial Neural Networks for the Analysis & Design of  
Concrete Pavement Systems Serving the A380-800 Aircraft

Dr. Halil Ceylan, Alper Guclu  
Iowa State University, Iowa, USA

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### First Runner-Up

Smart Control for Collective Agents

Masashi Furukawa, Takashi Kawakami, Masahiro Kinoshita, Yukinori Kakazu,  
Mokoto Oya, Keitaro Naruse,  
Asahikawa National College of Technology, Japan

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### Second Runner-Up

Top-Down Vs. Bottom-Up Neurocomputer Design

Joseph Wunderlich  
Elizabethtown College, Pennsylvania, USA

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### Third Runner-Up

Advances in Evolutionary Agent Learning

Anna Buczak, David G. Cooper, Martin Hofmann  
Sarnoff Corporation, New Jersey, USA

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