

## **MONDAY 1030 - 1235**

Session name: Applications in the aerospace industry  
Moderator: Jakiela

Talk 1: Aerodynamic design optimization using evolutionary algorithms  
Speaker: Yaochu Jin  
Affiliation: Honda research institute europe

Talk 2: How Boeing commercial is leveraging evolutionary computation in design  
Speaker: Thomas Dickens  
Affiliation: Boeing Commercial

Talk 3: Production Applications of Genetic Algorithm in  
Multi-disciplinary Aircraft Engine Designs  
Speaker: Brent Staubach, Siu Tong  
Affiliation: Pratt and Whitney, Engineous Software

## **MONDAY 1400 - 1540**

Session name: Scheduling  
Moderator: Peter Ross, Napier University

Talk 1: Scheduling with evolutionary algorithms: Some thoughts and an example  
Speaker: Peter Ross  
Affiliation: Napier University

Talk 2: Scheduling Production and Delivery of Liquid Oxygen and  
Nitrogen to 10,000 Sites With a Combined Genetic Algorithm and Ant System  
Speaker: David Davis  
Affiliation: NuTech Solutions

Talk 3: Scheduling steam injection for oil wells  
Speaker: Charles Guthrie  
Affiliation: Chevron/Texaco

## **TUESDAY 1030 - 1235**

Session name: Applications in the automotive and military industry  
Moderator: Jakiela

Talk 1: Decomposition-based assembly synthesis of automotive body structures  
Speaker: Kazuhiro Saitou  
Affiliation: University of Michigan

Talk 2: Multiobjective optimization with GA's is now considered mainstream  
Speaker: David Powell  
Affiliation: Elon University

Talk 3: OPEN / TBA

Speaker: OPEN / TBA

## **TUESDAY 1400 - 1540**

Session name: Antennae and Evolutionary Hardware  
Moderator: Linden/Jakiela

Talk 1: The engineer's role in automated design of antennas  
Speaker: Derek Linden  
Affiliation: Linden Innovation Research

Talk 2: Electromagnetic Design using Evolutionary Computations at Boeing  
Speaker: James M. Bornholdt  
Affiliation: Scientist - Boeing Phantom Works

Talk 3: Evolved Antennas for NASA's Space Technology 5 Mission  
Speaker: Jason Lohn  
Affiliation: Nasa Ames research center

## **WEDNESDAY 1030 - 1235**

Session name: Design issues  
Moderator: Roy

Talk 1: Design of automotive body structures for crashworthiness  
Speaker: Kazuhiro Saitou  
Affiliation: University of Michigan

Talk 2: Evolving Everyday Products: Rocket Science or Art  
Speaker: Shail Patel  
Affiliation: Unilever corporate research

Talk 3: Optimization of store performance for personalized pricing  
using evolutionary computation  
Speaker: Cem Baydar  
Affiliation: Accenture

### **WEDNESDAY 1400 - 1540**

Session name: PANEL Discussion on "Next steps in evolutionary  
computation in industry"  
Moderator: Roy

Each Panel member gives a FIVE minute talk to present their views and  
then it is open discussion chaired/moderated by Roy.

Speaker: David Goldberg  
Affiliation: University of Illinois Urbana Champaign

Speaker: Shail Patel  
Affiliation: Unilever corporate research

Speaker: Xin Yao  
Affiliation: University of Birmingham

Speaker: Arthur Kordon  
Affiliation: Dow chemical

Speaker: Brent Staubach or Siu Tong  
Affiliation: Pratt and Whitney / Engineous