



Workshops
associated with the 2002
Annual Review of



AFRL/VA and AFOSR
supported

The Ohio State University

Collaborative Center of Control Science (CCCS)



Friday, November 8, 2002

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the 2002 Annual Review of the
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12:00pm Lunch (Pizza, Rms. 259 and 267 Dreese Laboratories)

**Aerodynamic Flow Control Workshop:
Gas Dynamics and Turbulence Laboratory**

1:30pm In-depth technical presentations of OSU CCCS Flow Control team
and discussions

2:30pm U.S. Air Force Academy presentation and discussions on
circular cylinder flow control

3:30pm Break

3:45pm Orbital Research Inc. on SBIR Phase I contract in closed-loop flow control

4:15pm University of Cincinnati/Ohio University/AFIT DAGSI Flow Control
team on delta wing vortex breakdown control

4:45pm Workshop ends

Directions to Gas Dynamics and Turbulence Laboratory (GDTL)

Coming from Campus, take SR **315** North, exit at **Bethel Rd.**
Drive *westward* to **Godown Rd.** (about 1 mile). Turn *right (North)* onto **Godown Rd.**
Drive approximately 0.5 mile, turn *left (West)* onto **West Case Rd.** Drive approximately
1.25 miles. Just past OSU Airport (Don Scott Field) and the fire department, turn *right*
into the Aeronautical and Astronautical Research Laboratory (AARL) parking lot. Park in
a visitor parking space. Gas Dynamics and Turbulence Laboratory (GDTL) and GTL are
located within AARL.

OSU DARPA MICA SHARED Program Workshop
260 Dreese Laboratories

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|---------|---|
| 1:00pm | Overview
Joe Cruz |
| 1:10pm | Hierarchical Situation Representation
Erik Steinmetz |
| 1:30pm | Implementation Demonstration |
| 1:40pm | Use of Aggregation and Decomposition
Ümit Özgüner |
| 2:00pm | TDT and Related Experiments
Marwan Simaan |
| 2:20pm | Break |
| 2:45pm | Target Allocation via Binary Integer Programming with Fuzzy Objectives
Joe Cruz |
| 3:05 pm | Cooperative Goal-Seeking, Evasion, and Search
Yanfei Liu, Veysel Gazi, Kevin Passino, Matt Flint, Yanli Yang,
Marios Polycarpou |
| 3:30pm | Automated Interaction Design
Robin Penner, Erik Steinmetz |
| 3:50pm | Wrap-Up; Sharon Heise, Mark Mears |
| 4:00pm | Meeting ends |