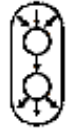


Performance Metrics for Intelligent Systems

September 16-18, 2003
Gaithersburg, MD



http://www.isd.mel.nist.gov/PerMIS_2003.html

Co-Sponsored by

The National Institute of Standards and Technology

Defense Advanced Research Projects Agency

Institute of Electrical and Electronics Engineers Control Systems Society

Institute of Electrical and Electronics Engineers Systems, Man, and Cybernetics Society

In Cooperation with

The IEEE Neural Network Society

Workshop Organizers

Elena Messina, NIST
Alex Meystel, Drexel University
Dennis Leedom, Evidence Based Research Inc.

Submission Information

Prospective authors are requested to either send a draft paper (maximum 8 pages) or an extended abstract for review. All submissions must be written in English, starting with a succinct statement of the problem, the results achieved, their significance and a comparison with previous work. Position papers are welcomed as well.

Electronic submissions (ps, pdf, Word) are strongly preferred. Please submit to:

PerMIS@cme.nist.gov
Phone: (301) 975-3235

Important Dates

June 16, 2003: Submissions due

July 3, 2003: Notification of acceptance

August 4, 2003: Final papers due

September 16-18, 2003: Workshop

In the fourth workshop in a series targeted at defining measures and methodologies of evaluating performance of intelligent systems, we will examine more closely applications of performance measures to practical problems in commercial, industrial, and military applications. In the quest for providing researchers, users, and developers of intelligent systems with meaningful and usable measures and methodologies, we will attempt to draw upon measurement technologies and practices from other disciplines.

Papers and invited sessions are being sought. Topic areas include, but are not limited to

- ❖ Leveraging Measures from other disciplines:
 - Technology Readiness Levels (TRL)
 - Uncertainty Measures
 - Complexity Measures, such as Kolmogorov
 - Biometric Approaches
 - Linguistic Approaches
 - Levels of Autonomy
 - Cognitive Science Approaches
- ❖ Measuring Components of Intelligent Systems
 - Sensing and Perception
 - Modeling and Knowledge Content, Representation
 - Planning and Control
 - Learning and Adapting
 - Communications with Humans (and Other Systems)
 - Collaboration with Other Systems (and Humans)
- ❖ Code of Best Practice for Experimentation
- ❖ Testbeds and Competitions for Inter-comparisons
- ❖ Tools for Facilitating Performance Measures
- ❖ Evaluating Architectures for Intelligence

WORKSHOP LOCATION

The workshop will be held at the National Institute of Standards and Technology, in Gaithersburg, Md, approximately 20 miles from Washington, D.C.

For Registration and other information, see the conference web site

http://www.isd.mel.nist.gov/PerMIS_2003.html

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