



Achievement Award
presented by
Dr. David S. Alberts
Director, Research and Strategic Planning
OASD (NII)

CCRTS
2004



Biography

- W.S. Vaughan is the Director, Cognitive, Neural, and Social Science & Technology Division, Office of Naval Research.
- His division has supported a continuous series of basic and applied research programs in distributed team decisionmaking since 1982: Distributed Tactical Decisionmaking, Decisionmaking in Hierarchical Teams, and Tactical Decisionmaking Under Stress. In 1995 he began a new initiative, Adaptive Architectures for Command and Control, with a mix of academic, industrial, and Navy performers.



Biography

- Dr. Vaughan has a Ph.D. in experimental psychology. He is a Fellow of the American Psychological Association. He is a frequent contributor to the annual technical program of the Command & Control Research and Technology Symposium.
- His principal impact on ONR is the programmatic emphasis on a) decisionmaking in Command and Control Systems; and b) reverse engineering of human and other biological systems as sources of novel design principles for signal analysis, pattern recognition and robotic/tele-operated devices.



Symposium on C2 Research



1990

Symposium on C2 Research, National Defense University, DC

- Invited Paper: “Toward a Science of Command and Control: Challenges of Distributed Decisionmaking”

1991

Symposium on C2 Research, National Defense University, DC

- Program Committee Member



Contributions to the CCRTS

1996

*CCRTS: Naval Postgraduate School, CA. “**Command and Control in the Information Age**”*

- Program Committee Member

1998

*CCRTS: Naval Postgraduate School, CA. “**Command and Control for the Next Millennium**”*

- Symposium Program Committee Member
- Executive Committee Member

*4th ICCRTS: Swedish National Defense College. “**C2 Decisionmaking in Emerging Conflicts**”*

- Track Chair: Architectures: Information Architectures and Decision Typologies



Contributions to the CCRTS

1999

CCRTS: Naval War College, RI. “Change and Continuity in the Future of Command and Control”

- Track Chair: C2 Organizational Design and Analysis
- Paper: “Model Driven Experimentation: The A2C2 Experience”

2001

6th ICCRTS: U.S. Naval Academy, MD. “Collaboration in the Information Age”

- Plenary Address: Research, Human Systems Department “A Decade of Progress in C2 Research: A Human-Centric View”



Contributions to the CCRTS



2002

CCRTS: Naval Postgraduate School, CA. “C2 Transformation Through Experimentation”

- Research supported by ONR resulted in awards of “Best Paper” and “Best Student Paper”

Best Paper:

- *Modeling Support of Effects-Based Operations in War Games* by Lee W. Wagenhals and Alexander H. Levis

Best Student Paper:

- *Mapping Flows onto Networks to Optimize Organizational Processes* by Georgiy M. Levchuk (supported by Yuri Levchuk of Aptima, Inc., Professor Krishna R. Pattipati of UCONN, and Professor David L. Kleinman of the Naval Postgraduate School)



Contributions to the CCRTS



2004

CCRTS: San Diego, CA. “The Power of Information Age Concepts and Technologies”

- Track co-chair: Human Factors Engineering