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Bordetsky, Alex

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Dr. Alex Bordetsky is an Associate Professor of Information Systems at the Naval Postgraduate School, Monterey. He is Associate Chair for Research at the Department of Information Sciences. He leads the newly created NPS Global Information Grid applications (GIGA Code Lab), collaborative technologies, multiagent architectures, and operation of the emerging sensor-decision maker networking platforms of FORCEnet.

In 2001 Alex Bordetsky pioneered studies of self-organizing peer-to-peer wireless collaborative environments that have been included by DARPA in the emerging initiative of Network-Centric Habitats for Command and Control.

The ongoing sponsored projects include: Wireless Collaborative Network for Relief Operations Coordination and Control, Ubiquitous Surveillance Network Testbed, Collaborative Technology and Situational Awareness Systems for Airborne Mission Planning, Mobile Software Agents for Search and Rescue Military Operations, Fleet Network Operations with Decision Support and Augmented Reality, Fusion of Augmented Reality and Collaborative Technologies to Support Fleet Aviation Maintenance, UAV Networking for Reconnaissance Operations, Feedback Mechanisms for Agent-based QoS Adaptive Management of Networking Resources, Ship-to-Shore Distance Learning High-Speed Network Based on the NASA Advanced Communication Technology Satellite, and Internet 2 NPS Lab.

This wide range of research projects is sponsored by the JFCOM, SPAWAR, DoJ/HLS Program, NAVAIR, CDTEMS, Aprisma Corporation, Foundry Networks, and SBC Research Labs

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Prior to joining the NPS Dr. Bordetsky founded and directed the Institute of Telecommunication Technologies (TELCOT), an applied research arm of California State University in San Francisco Bay Area, and taught at the University of Texas at Dallas. He was a Research Fellow for German National Center for Research in Information Technology and worked as a Research Professor for the Air Force Office of Scientific Research, Armstrong Laboratory, WPAFB. Dr. Bordetsky is known for his contribution to such high-profile projects as NSF sponsored Internet-2 project, NASA sponsored experiments with Advanced Communication Technology Satellite, AT&T sponsored multinational distributed learning laboratories, and Basic Support for Cooperative System sponsored by German Government. Professor Bordetsky publishes in major IT journals including Information Systems Research, Telecommunication Systems Modeling and Analysis, Journal of IT and Management, Journal of Management Information Systems, Group Decision Support and Negotiation, Annals of Mathematics and Artificial Intelligence, Journal of Organizational Computing. He recently co-authored the book titled: "Agent Technology for Communications Infrastructure", Wiley, 2001