

## David Mendonça

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## Appointments

2006– Associate Professor, Information Systems Department, New Jersey Institute of Technology  
2001–2006 Assistant Professor, Information Systems Department, New Jersey Institute of Technology

## Visiting Appointments

2008–2009 Visiting Professor, Department of Informatics, University of Lisbon, Portugal  
2007 Visiting Professor, Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands

## Professional Preparation

Rensselaer Polytechnic Institute	Decision Sciences and Engineering Systems	Ph.D.	2001
Carnegie Mellon University	Public Policy and Management	M.S.	1994
University of Massachusetts/Amherst	English	B.A.	1990

## Five Related Publications\*

Mendonça, D. (forthcoming). “Measures of Resilient Performance,” in *Remaining Sensitive to the Possibility of Failure*. E. Hollnagel, C. Nemeth, S. Dekkers (Eds.). Ashgate Publishing Ltd., Aldershot, England (resperf.pdf).

Mendonça, D. and W. A. Wallace (2007). “A Cognitive Model of Improvisation in Emergency Management.” *IEEE Systems, Man and Cybernetics: Part A*, 37(4) 547 - 561 (improvmodel.pdf).

Mendonça, D., G. E. G. Beroggi, D. van Gent and W. A. Wallace (2006). “Assessing Group Decision Support Systems for Emergency Response Using Gaming Simulation.” *Safety Science* 44(6) 523-535 (gdsser.pdf).

Mendonça, D. (2007). "Decision Support for Improvisation in Response to Extreme Events." *Decision Support Systems* 43(3) 952–967 (xedss.pdf).

Mendonça, D. and W. A. Wallace (2004). "Studying Organizationally-Situated Improvisation in Response to Extreme Events." *International Journal of Mass Emergencies and Disasters* 22 (2) 5–29 (osi.pdf).

## Five Other Publications\*

Gu, Q. and D. Mendonça (2006). “Group Information Foraging In Emergency Response: An Illustration Incorporating Discrete-Event Simulation.” *Winter Simulation Conference*, Monterey, CA, 3–6 December 2006 (Invited Paper).

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\* For copies, see <http://web.njit.edu/~mendonca/papers> under the file names indicated.

Mendonça, D. and W. A. Wallace (2006). "Impacts of the 2001 World Trade Center Attack on New York City Critical Infrastructures." *Journal of Infrastructure Systems* 12(4) 260-270 (wtcimpacts.pdf).

Mendonça, D. and Y. Hu (2006). "Hurricane Katrina Debris Removal Operations: The Role of Communication and Computing Technologies," in *Learning from Catastrophe, Quick Response Research in the Wake of Hurricane Katrina*. Natural Hazards Research & Applications Information Center, University of Colorado, Boulder, CO.

Mendonça, D., G.E.G. Beroggi and W.A. Wallace (2001). "Decision Support for Improvisation During Emergency Response Operations." *International Journal of Emergency Management* 1 (1) 30–38 (dssimp.pdf).

Mendonça, D. and M. Raghavachari (2000). "Comparing the Efficacy of Ranking Methods for Multiple Round-robin Tournaments." *European Journal of Operational Research* 123 (3) 593–605 (mtour.pdf).

### **Synergistic Activities**

Co-organizer (with W. Bouwman), "Workshop on Defining an Agenda for Research on Information and Communication Technology in Crisis Management," 5–6 November 2007, Delft, The Netherlands.

Co-organizer (with M. Haselkorn, R. Larson), National Science Foundation Workshop on Humanitarian Service Science & Engineering, Seattle, WA, 8 October 2007.

Participant, National Science Foundation Workshop on Resilient & Sustainable Infrastructures, 4–5 December 2006.

Track Chair, "Research Methods on Crisis Decision Making and Decision Support Systems." *Information Systems for Crisis Response and Management Conference*, NJIT, 2005-2008.

Member, IEEE Technical Committee on Homeland Security, INFORMS, Cognitive Science Society