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Selected Scholarly Contributions [Data Provided by **SCOPUS**]

[An efficient associative processor solution to an air traffic control problem](#)

Proceedings of the 2010 IEEE International Symposium on Parallel and Distributed Processing, Workshops and Phd Forum, IPDPSW 2010, 2010.

[Health care, aviation, and ecosystems: A socio-natural systems perspective](#)

Current Directions in Psychological Science, 19 (2), pp. 71-75, 2010.

[Scalable parallel word search in multicore/multiprocessor systems](#)

Journal of Supercomputing, 51 (1), pp. 58-75, 2010.

[Structuring the puzzle: Protocol use in disease outbreak investigations](#)

Proceedings of the Human Factors and Ergonomics Society, 2, pp. 754-758, 2009.

[Efficient implementation of air traffic control using the clearspeed CSX600 system](#)

Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Systems, pp. 353-360, 2009.

[Construction of genomic regulatory encyclopedias: Strategies and case studies](#)

OCCBIO'09: 2009 Ohio Collaborative Conference on Bioinformatics, pp. 65-70, 2009.

[Protective actions in wildfires: Evacuate or shelter-in-place?](#)

Natural Hazards Review, 10 (4), pp. 151-162, 2009.

[The word landscape of the non-coding segments of the Arabidopsis thaliana genome](#)

BMC Genomics, 10, art. no. 1471, p. 463, 2009.

[Text messaging during simulated driving](#)

Human Factors, 51 (5), pp. 762-770, 2009.

[Word-based characterization of promoters involved in human DNA repair pathways](#)

BMC Genomics, 10 (SUPPL. 1), art. no. S18, 2009.

[Passenger and Cell Phone Conversations in Simulated Driving](#)

Journal of Experimental Psychology: Applied, 14 (4), pp. 392-400, 2008.

[Enabling uniform CPU allocation in the presence of system dynamics: Implementation and experimental evaluation](#)

Proceedings of the 2008 International Conference on Embedded Systems and Applications, ESA 2008, pp. 246-252, 2008.

[Scalable parallel word search in multi-core/multiprocessor systems](#)

Proceedings of the 2008 International Conference on Bioinformatics and Computational Biology, BIOCAMP 2008, pp. 551-557, 2008.

[Part task and variable priority training in first-year anesthesia resident education: A combined didactic and simulation-based approach to improve management of adverse airway and respiratory events](#)

Anesthesiology, 108 (5), pp. 831-840, 2008.