

Faculty Publications 03-04

Davis, T.A., Pestka, K., and Kaplan, A., "KScope: A Modularized Tool for 3D Visualization of Object-Oriented Programs," VISSOFT 2203 (IEEE 2nd Annual Workshop on Visualizing Software for Understanding and Analysis), Amsterdam, The Netherlands, September 2003.

Davis, T.A., and Ficklin, S. P., "Interactive Dynamic Environments Using Image-Based Modelling and Rendering," Eurographics 2003 (Short Presentations), Granada, Spain, September 2003.

Davis, T.A., and Johnson, S.R., "Lip-Synching in Sourdough," Eurographics 2003 (Slides & Video Program), Granada, Spain, September 2003.

Davis, T.A., and Richards, J.A., "Distributed Rendering across Remote File Systems," 41st ACM Southeast Conference, Savannah, GA, March 2003.

Vembar, D., Iyengar, N., **Duchowski, A.**, Clark, K., Hewitt, J., Pauls, K., "Effect of visual cues on human performance in navigating through a virtual maze," in Eurographics Symposium on Virtual Environments, Grenoble, France, June 8-9, 2004.

Sadasivan, S., Nalanagula, D., Greenstein, J., **Duchowski, A.**, and Gramopadhye, A., "Training novice inspectors to adopt an expert's search strategy," *Proceedings of the Industrial Engineering Research Conference*, Houston, TX, May 15-19, 2004.

Nalanagula, D., Sadasivan, S., Greenstein, J., Gramopadhye, A., and **Duchowski, A.**, "Investigating feedforward training displays of visual inspection search strategy," *Proceedings of the Industrial Engineering Research Conference*, Houston, TX, May 15-19, 2004.

Nalanagula, D., Sadasivan, S., Gramopadhye, A., Leonard, M., **Duchowski, A.**, Vembar, D., Castle, C., and Washburn, C., "Using virtual reality to support education in aircraft maintenance technology," *Proceedings of the Aviation Technician Education Council (ATEC)*, Las Vegas, NV, May 15-19, 2004.

Duchowski, A., "Hardware-Accelerated Real-Time Simulation of Arbitrary Visual Fields (Poster)," Eye Tracking Research & Applications (ETRA), San Antonio, TX, March 22-24, 2004.

Duchowski, A., Cournia, N., Cumming, B., McCallum, D., Gramopadhye, A., Greenstein, J., Sadasivan, S., and Tyrrell, R., "Visual Deictic Reference in a Collaborative Virtual Environment," Eye Tracking Research & Applications (ETRA), San Antonio, TX, March 22-24, 2004.

Sadasivan, S., Nalanagula, D., Greenstein, J., Gramopadhye, A., and **Duchowski, A.**, "Evaluating Advanced Displays to Provide Search Strategy Information in a Virtual Reality Training Environment," *Proceedings of International Conference on Industrial Engineering Theory, Applications, and Practice*, Las Vegas, NV, November 10-12, 2003.

Desai, R., Gramopadhye, A., Melloy, B., and **Duchowski, A.**, "Effect of Alternate Feedback Strategies on Performance for a Synthetic Aircraft Visual Inspection Task," *Proceedings of the Human Factors and Ergonomics Society*, Denver, CO, October 10-17, 2003.

Gramopadhye, A., **Duchowski, A.**, Greenstein, J., Kaewkuekool, S., Khasawneh, M., Cournia, N., and Bowling, S., "Technology the Equalizer: Can it be Used to Improve Novice Inspection Performance?," *Proceedings of HCI International*, Crete, Greece, June 22-27, 2003.

Duchowski, A., "Eye Movement in VR: Applications, Concerns, and Pitfalls," (invited talk), European Conference on Eye Movements (ECEM) 12, Dundee, Scotland, August 20-24, 2003.

Duchowski, A., "Attentive User Interfaces: Considering Attention in Display Design," (invited talk), Image Coding Group, Electrical Engineering Dept., Linkoping Universitet, Linkoping, Sweden, June 4, 2003.

Geist, R., Rasche, K., **Westall, J.**, and Schalkoff, R. "Lattice-Boltzmann Lighting," *Proc. Eurographics Symposium on Rendering 2004 (15th Eurographics Workshop on Rendering)*, Norrkoping, Sweden, June, 2004.

Wang, S., **Davis, T.**, **Geist, R.**, **Westall, J.** and Kundert-Gibbs, J., "Digital Production Arts: Coming Soon to a College Near You!" *Proc. of the 42nd Annual ACM Southeast Conf.*, Huntsville, Alabama, April, 2004, pp. 416 - 421.

- Davis, T., Geist, R.,** Matzko, S., and **Westall, J.**, "TEXNH: A First Step," *Proc. of the ACM SIGCSE Technical Symp. on Computer Science Education (SIGCSE 2004)*, Norfolk, Virginia, March, 2004, pp 125 - 129.
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