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JOURNAL ARTICLES

Kooima, R., Roberts, D., SubbaRao, M., “Real-time Digital Dome Rendering Techniques and Technologies” To appear in *Planetarian: Journal of the International Planetarium Society*.

Peterka, T., Kooima, R., Girado, J., Ge, J., Sandin, D., Johnson, A., Leigh, J., Schulze, J., DeFanti, T.’ “Dynallax: Solid State Dynamic Parallax Barrier Autostereoscopic VR Display” In *IEEE Transactions on Visualization and Computer Graphics*, vol. 14, no. 3, pp. 487-499, May-June 2008.

Ge, J., Sandin, D., Johnson, A., Peterka, T., Kooima, R., Girado, J., DeFanti T., “Point-based VR Visualization for Large-scale Mesh Datasets by Real-time Remote Computation” In the *International Journal of Image and Graphics (IJIG)*, vol. 8, issue 2, April 2008

Leigh, J., Renambot, L., Johnson, A., Jeong, B., Jagodic, R., Schwarz, N., Svistula, D., Singh, R., Aguilera, J., Wang, X., Vishwanath, V., Lopez, B., Sandin, D., Peterka, T., Girado, J., Kooima, R., Ge, J., Long, L., Verlo, A., DeFanti, T., Brown, B., Cox, D., Patterson, R., Dorn, P., Wefel, P., Levy, S., Tolandis, J., Reitzer, J., Prudhomme, T., Coffin, T., Davis, B., Wielinga, P., Stolk, B., Koo, G., Kim, J., Han, S., Kim, J., Corrie, B., Zimmerman, T., Boulanger, P., Garcia, M., “The Global Lambda Visualization Facility: An International Ultra-High-Definition Wide-Area Visualization Collaboratory” In the *International Journal of Future Generation Computer Systems*, Elsevier, 22.8 (2006), pp. 964-971.

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Kostis, H., Kooima, R., Kannenberg, J., “Skin: an Interactive hyperstereoscopic electro installation” in *Proceedings of SPIE*, 2007

Leigh, J., Johnson, A., Renambot, L., Sandin, D., DeFanti, T., Brown, M., Jeong, B., Jagodic, R., Krumbholz, C., Svistula, D., Hur, H., Kooima, R., Peterka, T., Ge, J., Falk, C., “Emerging from the CAVE: Collaboration in Ultra High Resolution Environments”, to appear in the *Proceedings of the First International Symposium on Universal Communication*, Kyoto, Japan, June 14-15, 2007, pp. 96-99.

Ge, J., Peterka, T., Kooima, R., Vishwanath, V., Sandin, J., Johnson, A., “A Distributed Volume Rendering Pipeline for Networked Virtual Reality” to appear in the *Proceedings of the International Workshop on Network-based Virtual Reality and Tele-Existence (INVITE 2007)*, May 21-23, 2007.

Kooima, R., Peterka, T., Girado, J., Ge, J., Sandin, D., DeFanti, T., “A GPU Sub-pixel Algorithm for Autostereoscopic Virtual Reality” in the *Proceedings of IEEE VR 2007*, Charlotte, NC, March 10-14, 2007.

Peterka, T., Kooima, R., Girado, J., Ge, J., Sandin, D., Johnson, A., Leigh, J., Schulze, J., DeFanti, T., “Dynallax: Solid State Dynamic Parallax Barrier Autostereoscopic VR Display” in the *Proceedings of IEEE VR 2007*, Charlotte, NC, March 10-14, 2007.

Girado, J., Peterka, T., Kooima, R., Ge, J., Sandin, D., Johnson, A., Leigh, J., DeFanti, T., “Real Time Neural Network-based Face Tracker for VR Displays” in the *Workshop on Trends and Issues in Tracking for Virtual Environments* at IEEE VR 2007, Charlotte, NC, March 11, 2007.

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PUBLIC INSTALLATIONS

Kostis, H., Kooima, R., Kannenberg, J., “Skin” Installed at FILE 2007, São Paulo, Brazil.

Kooima, R., Roberts, D., SubbaRao, M., Aguilera, J., “Mars Transporter.” Installed at Adler Planetarium 2007–present, Chicago, IL.

Lopez Silva, B., Kooima, R. Schwarz, N., Wolf, L., Donaghy, T., Vanderlinde, K., Willis, S., Sweitzer, J., “Starflight.” Installed at Laboratorio Arte Alameda, Mexico City, Mexico Nov 2006–Feb 2007. Installed at Adler Planetarium, Chicago, IL 2007–present.