

## JoAnn Kuchera-Morin - Publications

1. Putnam, L., Kuchera-Morin, J., Peliti, L., Studies in Composing Hydrogen Atom Wave Functions, Leonardo Journal, MIT Press, April 2015, Vol. 48, No. 2, (2015) 158-166.
2. Kuchera-Morin, J., Wright, M., Wakefield, G., Roberts, C., Adderton, D., Sajadi, B., Hollerer, T., Majumder, A., Immersive full-surround multi-user system design, Computers and Graphics 40 (2014) 10-21.
3. Wakefield, G., Hollerer, T., Kuchera-Morin, J., Roberts, C., Wright, M., Spatial Interaction in a Multiuser Immersive Instrument, IEEE Computer Graphics and Applications 33(6):14-20 (2013).
4. Fan, Y., Sciotto, F. M., Kuchera-Morin, J., "Time Giver: An Experiment of Collective Expression using Mobile PPG and EEG in AlloSphere," IEEE VIS 2013 Arts Program Conference Proceedings.
5. Liu, Q., Han, Y. C., Kuchera-Morin, J., Wright, M., Legrady G., Cloud Bridge: a Data-driven Immersive Audio-Visual Software Interface Proceedings of the 2013 International Conference on New Interfaces for Musical Expression (NIME) May 27-30, Daejon + Seoul, Korea Republic.
6. Roberts, C., Alper, B., Kuchera-Morin, J., and Höllerer, T. Augmented Textual Data Viewing in 3D Visualizations Using Tablets. Proceedings of the 2012 Symposium on 3D User Interfaces (3DUI 2012), IEEE Virtual Reality Conference.
7. Roberts, C., Kuchera-Morin, J. Gibber: Live Coding Audio In The Browser. In Proceedings of the International Computer Music Conference (ICMC). Ljubljana, Slovenia. 2012.
8. Kuchera-Morin, J., 2011, *Performing in Quantum Space: A Creative Approach to N-Dimensional Computing*, Leonardo Journal Volume 44, Issue 5.
9. Alper, B., Hollerer, T., Kuchera-Morin, J., Forbes, A., 2011 Stereoscopic Highlighting: 2D Graph Visualization on Stereo Displays, 2011, IEEE Transactions on Visualization and Computer Graphics, Volume 17 Issue 12, December 2011.
10. McGee, R., van der Veen, J., Wright, M., Kuchera-Morin, J., Alper, B., Lubin, P., 2011, Sonifying The Cosmic Microwave Background. Proceedings of the 17th International Conference on Auditory Display (ICAD-2011), Budapest, Hungary.
11. Kuchera-Morin, J., Putnam, L., Wakefield, G., Ji, H., Alper, B., Adderton, D., 2010 Immersed in Unfolding Complex Systems, BEAUTIFUL VISUALIZATION, Copyright © 2010, O'Reilly Media, Inc. All rights reserved. Printed in the United States of America.
12. Roberts, C., Kuchera-Morin, J. Putnam, L., Wakefield, G. 2010 Dynamic Interactivity Inside the AlloSphere, NIME 10, New Interfaces for Music Expression, Copyright © 2010.
13. Amatriain, X., Kuchera-Morin, J., Hollerer, T., Pope, S. 2009 The AlloSphere: An Immersive Multimedia Instrument for Scientific Data Discovery and Artistic Exploration, 2009 IEEE, Multimedia VR Magazine.
14. Wakefield, G., Kuchera-Morin, J., Novak, M., Overholt, D., Putnam, L., Thompson, J., Smith, W., 2009 The AlloBrain: an Interactive Stereographic, 3D Audio Immersive Environment. International Journal of Human Computer Interaction. Science Direct (2009), doi:10.1016/j.ijhcs.2009.05.005.

15. Kuchera-Morin, J., 2009, Using the Creative Process to Map N-Dimensions: Quantum Information at your Fingertips, KEYNOTE – 2009 ACM-CCC (ACM Creativity and Cognition Conference), Berkeley, CA.
16. Overholt,D., Thompson, J. Putnam, L., Bell, B., Kleban, J. Sturm, B., Kuchera-Morin, J. 2009 A Multimodal System For Gesture Recognition in Interactive Music Performance, Computer Music Journal, September 4, 2009 19:15.
17. Wakefield, G., Kuchera-Morin, J., Novak, M., Overholt, D., Putnam, L., Thompson, J., Smith, W., 2008 The AlloBrain: an Interactive Stereographic, 3D Audio Immersive Environment. 2008 CHI Conference Workshop on Sonic Interaction Design), Florence, Italy
18. Amatriain, X., Castellanos J., Hollerer,T., Kuchera-Morin, J., Pope, S., Wakefield, G., and Wolcott, W., 2008 Experiencing Audio and Music in a Fully Immersive Environment. Lecture Notes in Computer Science, Springer-Verlag.
19. Hollerer, T., Kuchera-Morin, J., and Amatriain, X., 2007 The AlloSphere: a large-scale immersive surround-view instrument. In EDT '07: Proceedings of the 2007 workshop on Emerging Displays Technologies, page 3, New York, NY, USA, 2007. ACM Press
20. Gibson, J., Kuchera-Morin, J., and Norman, A. Experiential Signal Processing (ESP) and Experiential Telecommunications (ET). 2007 Asilomar Conference on Signals, Systems, and Computers. IEEE.
21. Turk, M., Hollerer, T., Arisona, S. M., Kuchera-Morin, J., Putnam, L., Coffin, C., Hoetzlein, R., Overholt, D. 2007 Creative Collaborative Exploration in Multiple Environments Copyright © 2007, Association for the Advancement of Artificial Intelligence ([www.aaai.org](http://www.aaai.org)).
22. Amatrian, X., Hollerer, T., Kuchera-Morin, J., Pope S., 2007, Immersive Audio and Music in the AlloSphere, ICMC 2007 (International Computer Music Conference), Copenhagen Denmark, 27 August 2007.
23. Kuchera-Morin, J., Music Publication, PALEO for contrabass and computer-generated tape, published by DISCORDIA Music Publishers, 2003.
24. Kuchera-Morin, J., The Center for Research in Electronic Art Technology (CREATE) 2002 STUDIO REPORT 2002 International Computer Music Conference Proceedings, 2002.
25. Kuchera-Morin, J., The Center for Research in Electronic Art Technology (CREATE) 1999 STUDIO REPORT 1999 International Computer Music Conference Proceedings, 1999.
26. Kuchera-Morin, J., Article and Video Tape - "An Historical Perspective of Computer Music and Present and Future Directions, Discussions with John Chowning, Jean-Claude Risset, Gottfried Michael Koenig and Iannis Xenakis, 1995.
27. Kuchera-Morin, J., Studio Report - "Center for Computer Music Research and Composition's NeXT, Sparc and Real-Time Network" published in the 1992 International Computer Music Conference Proceedings, 1992.
28. Kuchera-Morin, J., Reviews of the 1990 International Computer Music Conference published in the periodicals ARRAY and COMPUTER MUSIC JOURNAL, 1991.
29. Kuchera-Morin, J., Paper - "Recent Developments at the Center for Computer Music Composition"; hardware networking and new software design; published in the 1989 International Computer Music Conference Proceedings, 1989.

30. Kuchera-Morin, J., Studio Report - "Design and Implementation of a Center for Multi-media Art Production and Research in Acoustics"; published in the 1987 International Computer Music Proceedings, 1987.
31. Kuchera-Morin, J., Morris, R., Reviews of the 1987 International Computer Music Conference for the periodical, Perspectives of New Music; published in Perspectives of New Music, Fall 1987. (Commissioned article).
32. Kuchera-Morin, J., Studio Report - "Sculptured Sound Environment, at the University of California, Santa Barbara"; published in ARRAY, Computer Music Association Periodical, Fall, 1987.
33. Kuchera-Morin, J., Reviews of the 1985 International Computer Music Conference; published in Computer Music Journal, Volume 10, no. 2, July 1986.