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UCSD

CRCA

EXPERIMENTAL GAME LAB
next-gen cultural forms

EXPERIMENTAL GAME LAB

Gaming is the defining cultural form of the 21st century. We provide innovative, multi-disciplinary expertise to push forward technological and expressive fronts. Intersecting technologies from the leading edge of visualization research with extended game industry tools, we create new cultural forms.

Focal Technologies:

- Procedural Assets
- Streaming Media Content
- Large Resolution Displays
  (4K digital cinema and multi-screen tiles)
- Game Prototyping Methods
- Real-time Spatialized Audio Rendering
- Pedagogical approaches

Scalable City, 3-screen stereo interactive installation, Ars Electronica Museum, Linz, Austria

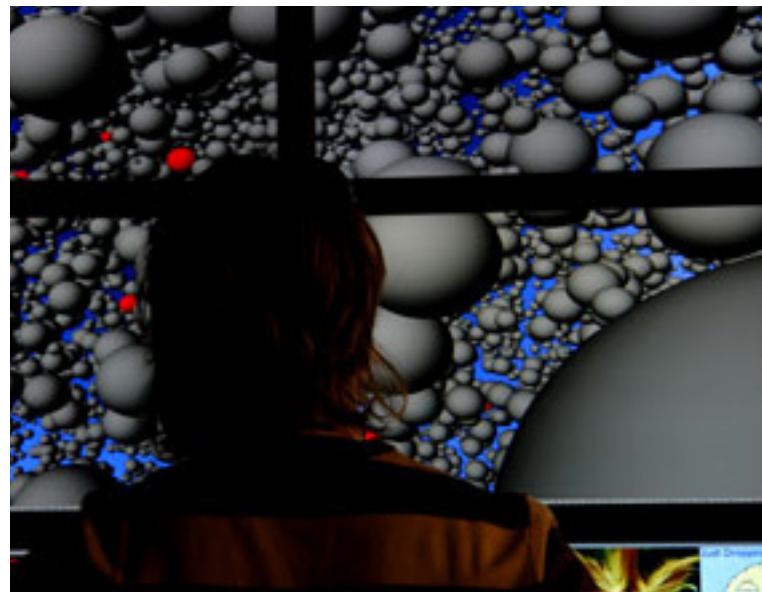# CENTER FOR RESEARCH IN COMPUTING AND THE ARTS

The Center for Research in Computing and the Arts (CRCA) is an organized research unit of UCSD whose mission is to facilitate the creation of new forms of art that arise out of the developments of digital technologies.

As the University of California's oldest arts research center, CRCA pursues innovative approaches to the arts, crossing disciplinary boundaries with the humanities, engineering, and the sciences. Faculty members devise new modes of artistic practice through their liaisons with international cultural institutions, high-tech industries, and interdisciplinary collaborations.

CRCA provides the support framework for a broad range of approaches to artistic, scholarly, and technological development that is at the basis of our digitally transformed culture. We actively encourage the investigation of the potent cultural acts of our time and create the viable mechanisms for manifesting them. More information about the center, its researchers, public events, and the process for engagement, can be found at:

http://crca.ucsd.edu

SCALABLE CITY

by Sheldon Brown

The Scalable City creates an urban/suburban/rural environment via a data visualization pipeline. Each step in this pipeline builds upon the previous, amplifying exaggerations, artifacts and the patterns of algorithmic process. The results of this are experiences as prints, video installations and interactive multi-user games and virtual environments.

Throughout these artworks, a variety of computer concept buzzwords take on physical form. Wallowing in them provides equal measures of delight and foreboding, creating a vision of cultured forms that we are rapidly creating. The project neither indites or embraces this future, but offers an extrpolation of its algorithmic tendencies, heightening ones awareness of the aesthetics of the underlying logic as it becomes the determinate of much of our cultured existence.

detail, Scalable City, Ultrachrome digital print, 64" by 44"