

Exhibition Proposal

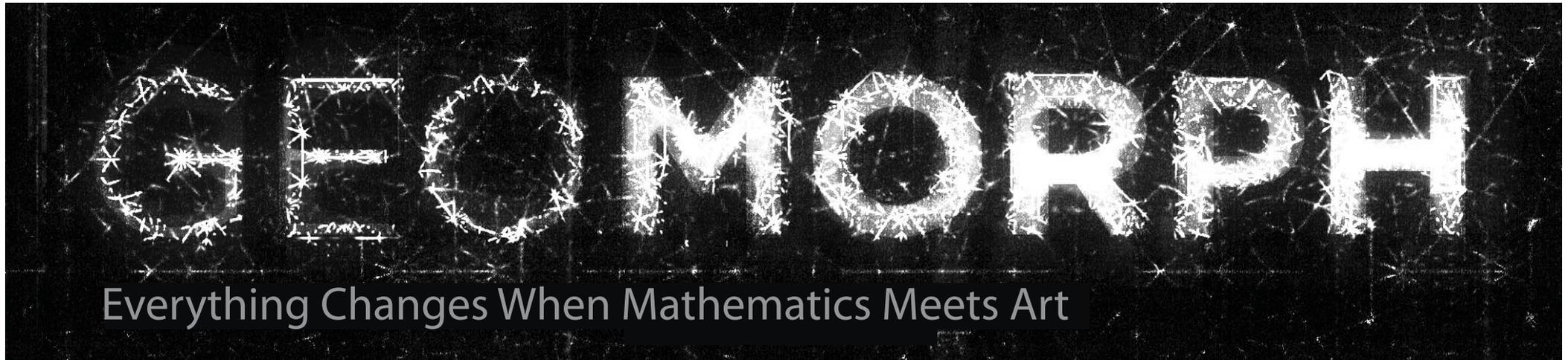


GEOMETRY

Everything Changes When Mathematics Meets Art

Roger Burrows

Exhibition Proposal



Roger Burrows is a Park City, Utah, resident and an internationally known author and designer of interactive products for children. He has also developed geometrical systems that have been applied architecturally and artistically. Roger's Altair Design and Images Design book series have been bestsellers in the USA and internationally. As an inventor Roger has developed highly successful technologies such as Questron, Magnix, Photo Q, and Booktronics. In 1968 Roger designed the Wales Tomorrow Exhibition for the Investiture of the Prince of Wales. In the 1970's Roger exhibited his geometrical works in exhibitions organized by the Arts Council of Great Britain, by the Architectural Association, London, and by the UK Association of Teachers of Mathematics - with accompanying lectures and seminars. Since the 1980's Roger has concentrated on his career in publishing and on the development of interactive learning products for children. He has coauthored and created books with celebrities such as Frank Zappa and Michael McCartney, brother of Paul.

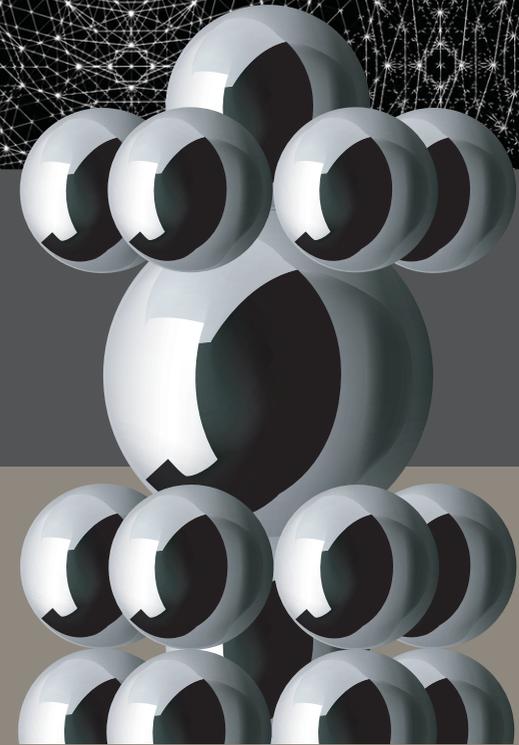
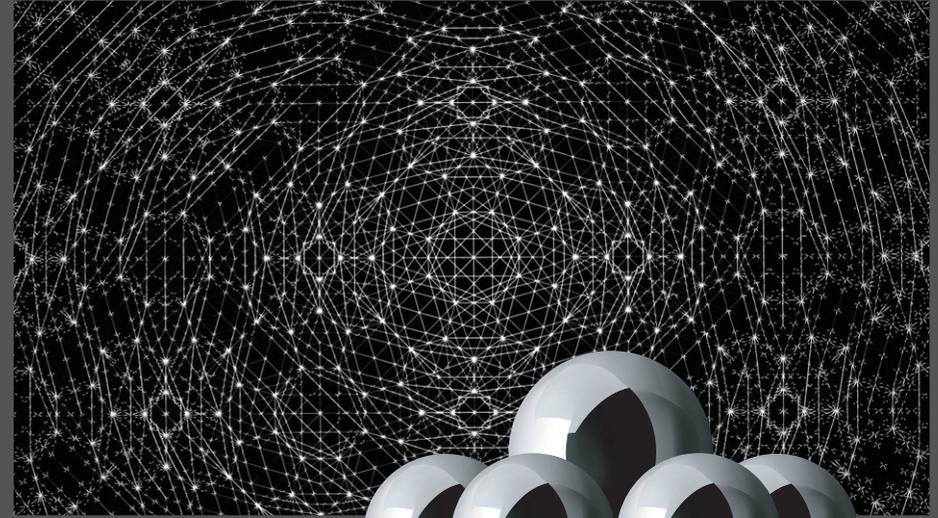
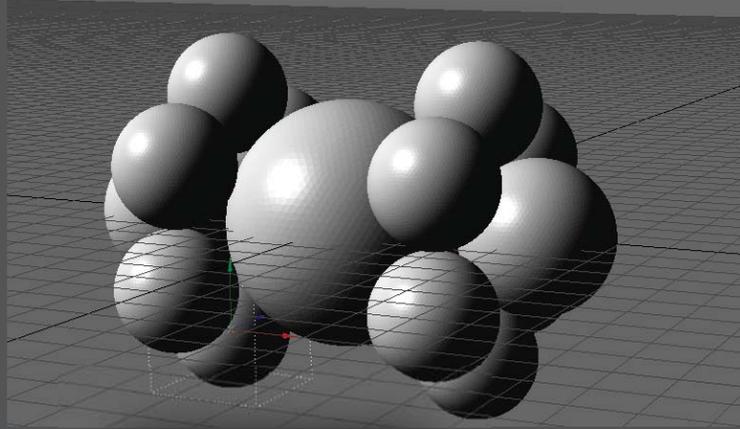
EXHIBITION PROPOSAL

The structures and systems created using the geometries developed by Roger Burrows are dynamic - everything moves! Spheres change size and position three dimensionally, 3D structures change shape, design planes move over design planes to create infinite variations, and even models of Pythagorean geometries transform through dynamic cycles. What is envisioned is an exhibition of multiple HD flat screens each playing animation loops; art quality prints of designs; dynamic floor models of transforming structures; a section dedicated to the pictures and patterns that children have seen, and colored, in the Images and Altair Design book series, and a section devoted to lectures that can be presented on the historical applications of geometry in architecture and design, on the new geometries created by Roger Burrows, and on the use of Images and Altair Designs.

Roger Burrows

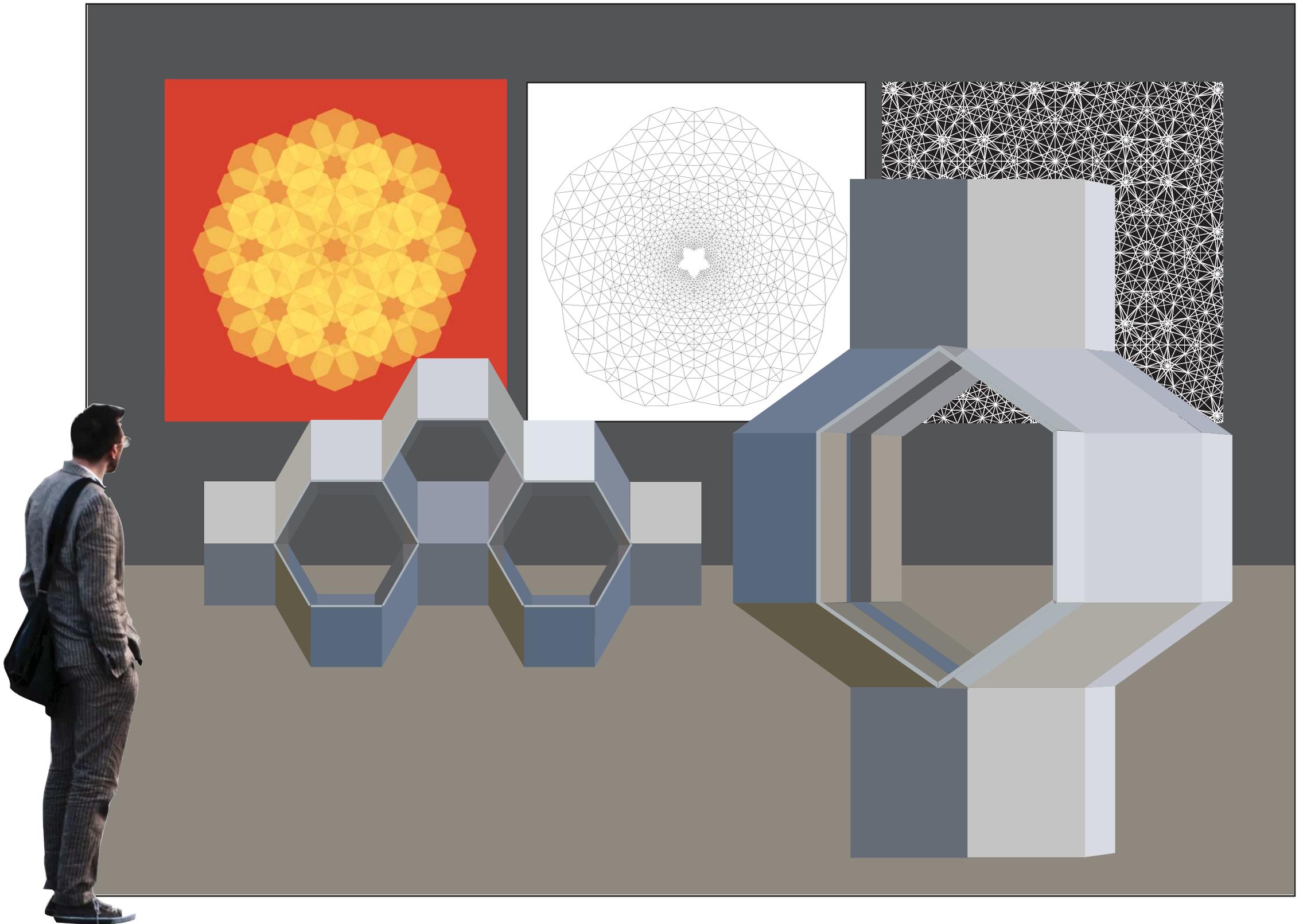
HD Video Loops on Large LCD Screens
Structures That Change Shape
Fixed Metallic Structures

Some animations with music

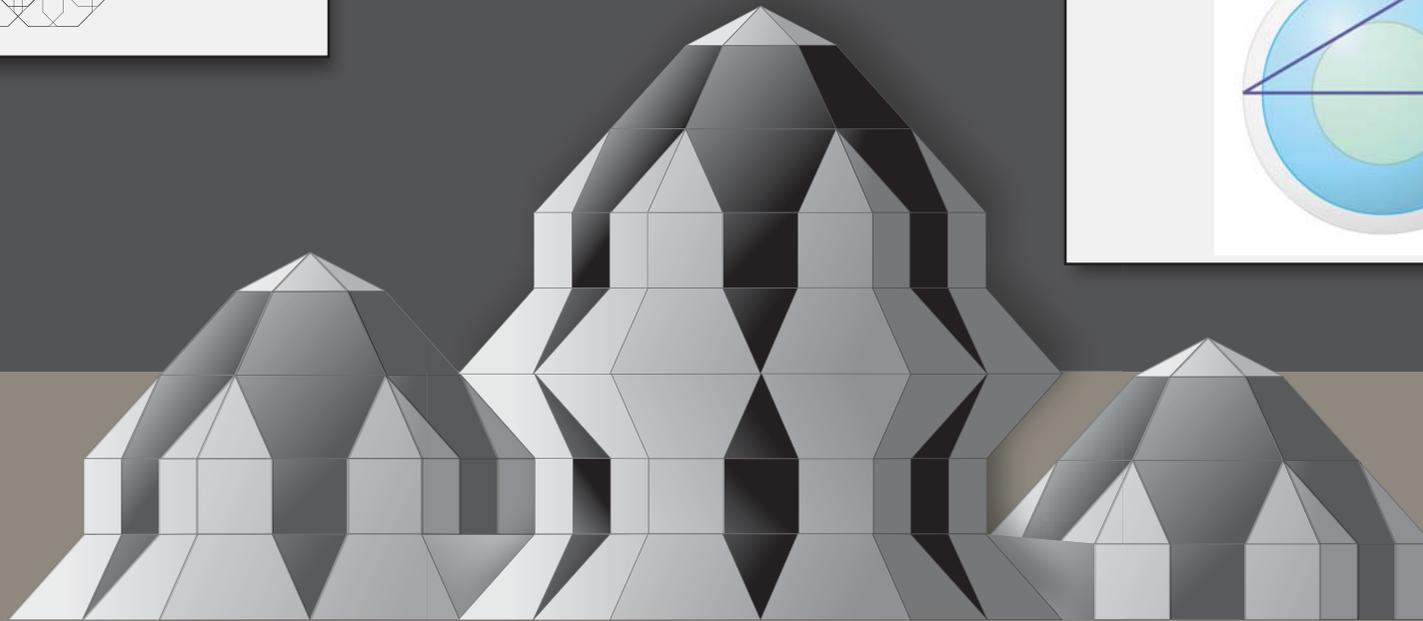
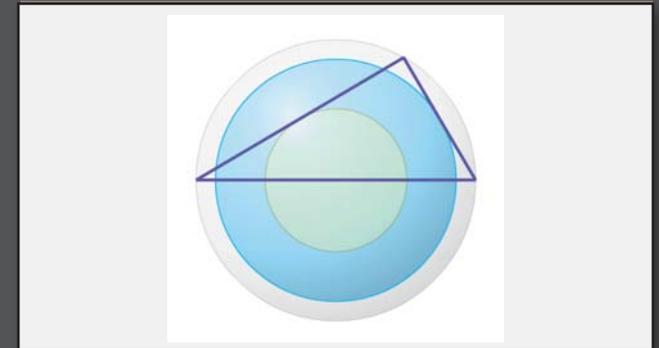
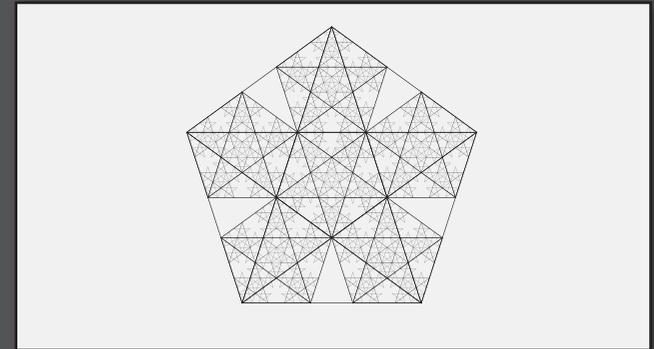
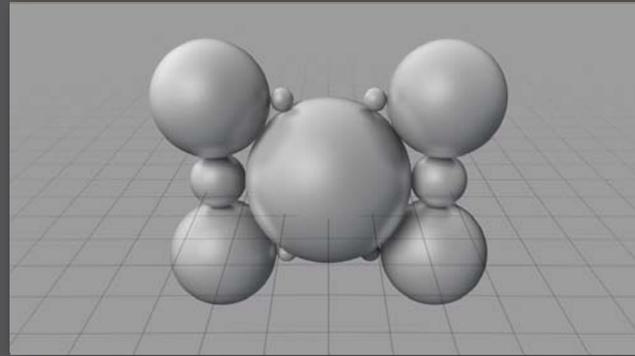
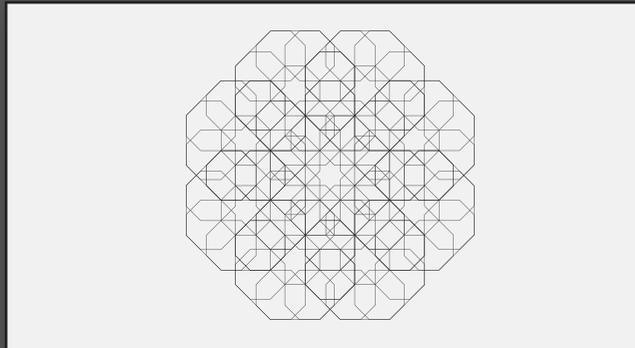


High Resolution Prints

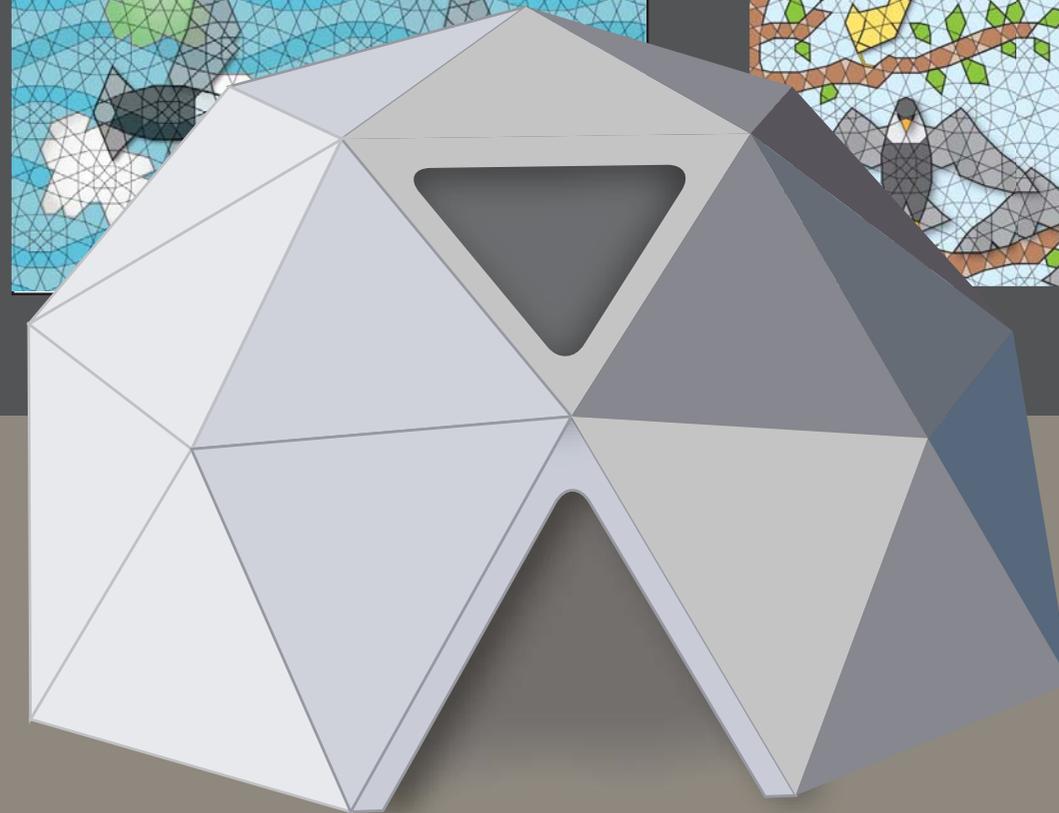
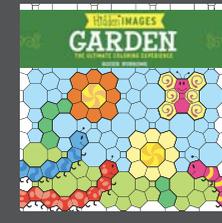
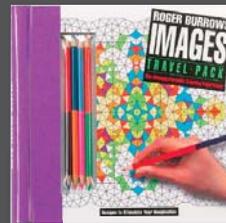
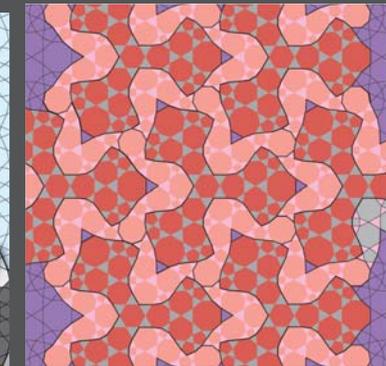
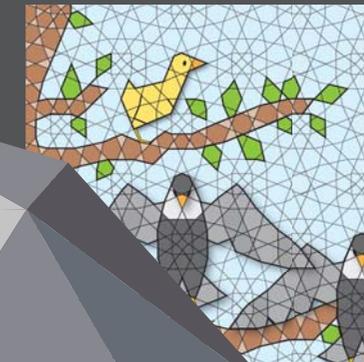
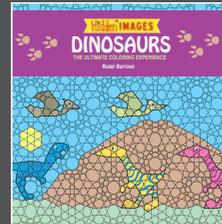
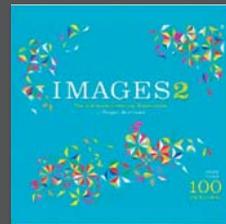
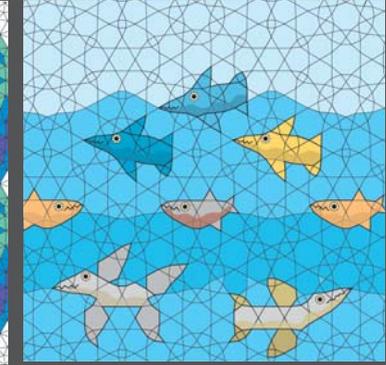
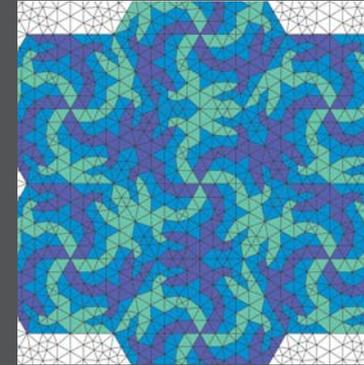
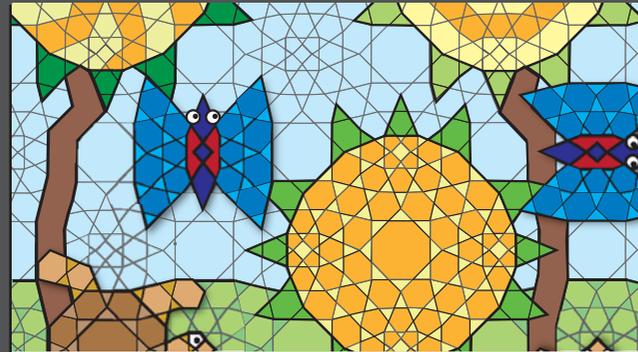
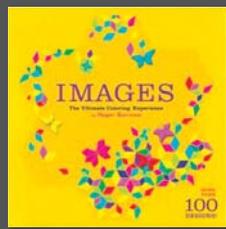
Structures That Change Shape - It is proposed that large versions of some of these structures be constructed during the exhibition so that people can walk within them to experience how light and sound reflections change as the structures move.



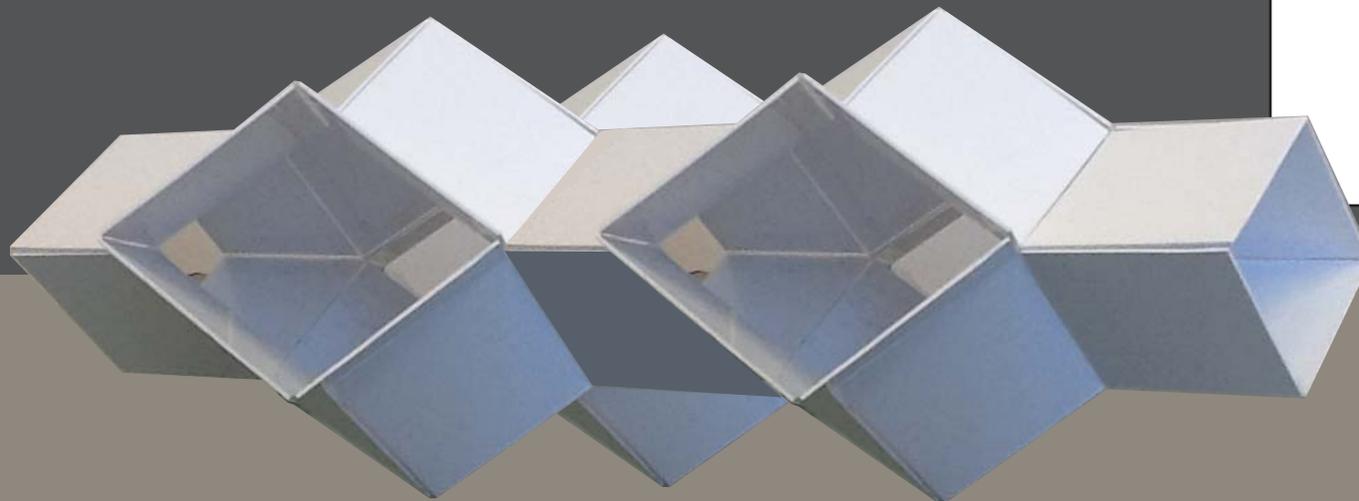
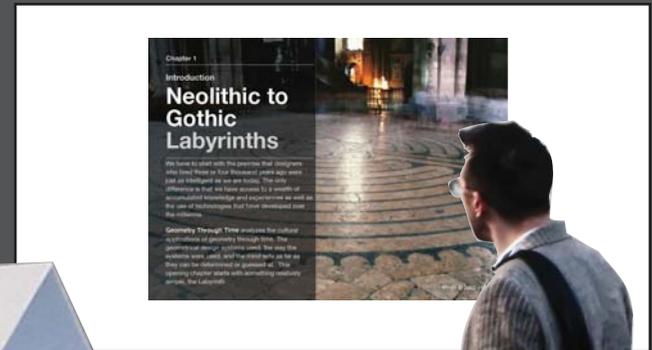
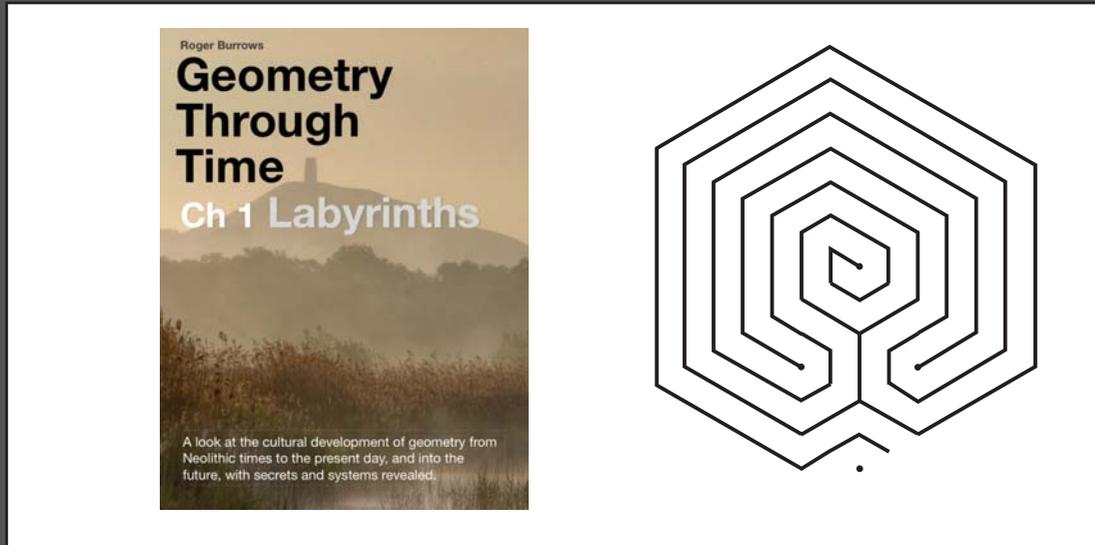
Fixed 3D Models - These are constructed from lattices generated by close packing spheres.
HD Animation Loops on large HD LCD Screens
Video Loops Can be Made Available For Down Loading



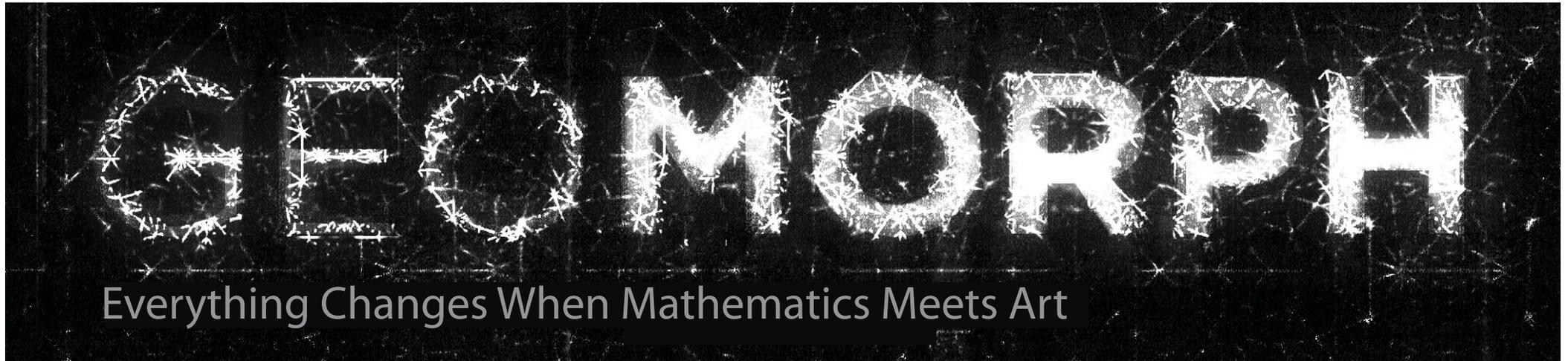
Colored Images Designs - Altair Design and Images Design books by Roger Burrows are available
HD Animations of Images Appearing in Images Designs
Computer Coloring - Visitors can color the images they find in the designs, on computers, & print out their creations



Lecture & Workshop Section - Includes Construction of Small & Large Scale Dynamic Structures
LCD Projection Screen - Projects Interactive Coloring of Designs For Use By Visitors
Large HD Flat Screen - Projects Animations Under Development



Reference



INFORMATION

Materials Available For Presentation

1. Animations in HD - created in Lightwave 3D and Adobe After Effects.
 2. Models of floor structures. Also Large, "walk-in" structures can be built.
 3. Digital files of designs for art quality prints. Literally hundreds are available.
 4. Lecture and seminar materials: visuals, models, animations.
 5. Images Design book and Altair Design book samples.
 6. Children's colored images, patterns, and pictures, derived from Images and Altair books. Approx 100 available.
 7. Interactive coloring of Altair Designs - run on computer, can be LCD projected, and images found and colored can be printed out locally.
- Note that coloring Images Designs or Altair Designs is more about perception and visual logic than just coloring a fixed image - as every image seen, or found, is unique to the individual.
8. Lecture material on the history and applications of geometry through time: in architecture including interiors; art forms; nomadic tent designs, labyrinths, etc.
 9. The mathematics behind the geometries.

Websites

www.ix2innovations.com

www.rogerburrowsimages.com

Publications / Reviews: Design books, other publications, and articles can be seen on the internet. Also reviews, and a more or less correct Wikipedia reference, Linked In, etc.

Roger Burrows

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Personal and Professional References Are Available.

Roger Burrows has created bestselling interactive products for companies such as Disney (USA /International) Scholastic (USA), Ravensburger (Germany), Egmont (UK / Europe), Hachette (France), Simon and Schuster (USA), Froebel Kan (Japan), Kadansha (Japan), Gallimard (France), Mondadori (Italy), Dorling Kindersley (USA & UK), Price / Stern / Sloan (USA / UK), Random House (USA), Penguin Putnam (UK / USA), Running Press (USA), Beascoa (Spain), etc.

Roger Burrows