

The Humboldt State University Department of Mathematics
cordially invites you to attend

THE 33rd HARRY S. KIEVAL LECTURE



Thomas Banchoff

Professor of Mathematics
Brown University
President of the Mathematical Association of America

Beyond the 3rd Dimension: From "Flatland" to Internet Hypergraphics

Interactive computer graphics makes it possible for the first time to experience direct visual contact with one of the most fascinating and challenging mathematical worlds: The Fourth Dimension. More than a hundred years ago, a remarkable book, "Flatland," laid out the challenge, and only now are we able to view and manipulate the objects in four-dimensional space. The Fourth Dimension – It's not just time anymore.

Professor Banchoff will present computer-generated slides and videos to illustrate the ways that the fourth dimension has inspired not only mathematicians and physicists, but also philosophers, writers and surrealist artists. Also included in the presentation will be a trip to a virtual art gallery filled with surfaces "beyond the third dimension."

Sunday, April 25, 1999
7:30 p.m., Founder's Hall 118



is an AA/EO institution.



Appropriate auxiliary aids available when possible.
Contact event sponsor 7 working days prior to
scheduled event, if at all possible.