



**KENT C. BINGHAM** Structural & Civil Engineer - Kent is STC's Director of Design & Quality

**OVERVIEW:**

Mr. Bingham founded 5 companies, which include Transportation Innovations Group (TIG), Entertainment Engineering Inc. (EEI), Green Energy Machines (GEMs), TIG-m Trolley Manufacturing and Rivers in the Sky (RIS). He is an expert in people moving and advanced transportation systems, which is evident in that his Smart Skyways concept car will be operated as a fully automated APM/PRT. He will be working with Sky Train for vendor selection and quality verification as

well as for advice on STC's advanced transit.

**GEMs Prototype Engineer, Principal of EEI TIG & GEMs. See:**

**<http://db.tt/KGk1uT80>**

**EDUCATION and TRAINING:**

Bachelor of Science, Civil Engineering, UC Berkeley, 1958

Graduate Studies in Business and Engineering, USC, UCLA, CSULB

**Professional Engineer Registrations:**

Registered Civil & Structural Engineer, State of California, 1966 thru present & formerly registered in Nevada and Florida

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

**Professional Experience:**

\* Entertainment Engineering Inc. (EEI) was founded in 1987 by Kent based upon the award of 6 major contracts by Universal Studios. Beginning with structural engineering & stress analysis of show & ride systems, EEI quickly moved into Quality Control (QC) review of prototypical systems of all kinds. EEI developed the "EEI Procurement Format" that essentially guarantees trouble free show & ride prototypical systems, regardless of complexity.

\* Mr. Bingham's background prior to founding EEI includes extensive experience in all aspects of Civil & Structural Engineering, highlighted by his 6 years at Walt Disney Imagineering as Chief Structural Engineer for the EPCOT project.

\* Currently Kent is working with the University of Nevada in Las Vegas as a consultant to their new Entertainment Engineering program. The stated objective of this program is to teach students how to design and build anything that they can imagine.

\* Kent Bingham served Walt Disney Imagineering as Chief Structural Engineer from 1977 thru 1983. He did the preliminary design for all of the structures at EPCOT. His role was to fully integrate all aspects of facility, show, & ride systems. EEI prepared all of the show & ride drawing packages for the modern opening of Euro Disneyland. They also designed new & improved versions of Rocket to Mars & Dumbo, specially created for this opening.

\* EEI worked on most of the spectacular show systems in Las Vegas during the period from 1993 thru 2001, including the Star Trek show at the Hilton and the Las Vegas Monorail.

\* Mr. Bingham's accomplishments at Universal Studios in Hollywood & Orlando include, but are not limited to: Earthquake – USH; King Kong – USH; NASCAR – City Walk; King Kong – USF and Roboasis animated show – USF.

**Areas of Expertise:**

Kent's company TIG/m Trolleys develops Modern Street Railways. They have a 20,000 sq. ft. plant in Chatsworth, CA with 5 trolleys in various stage of completion. He also specializes in Automated Guideway Transport at his other company Smart Skyways. They have a campus in Fort Collins, CO dedicated to Energy and Transportation Systems.

**SYNERGISTIC ACTIVITIES:**

**Professional Affiliations:**

American Society of Civil Engineers,  
American Society of Mechanical Engineers,  
Project Management Institute,  
Structural Engineers Association of Southern California,  
Themed Entertainment Association,  
American Railway Engineering Association,  
Construction Specifications Institute,  
International Assoc. of Amusement Parks and Attractions,  
Advanced Transit Association,  
American Society for Testing Materials,  
Committee F24 – Standards for Amusement Rides and Devices