

MANKIND'S GREATEST ENGINEERING ACHIEVEMENTS (L)

9 to 10:50 a.m., Amador 152

Drop-in, no registration required

Richard Dabrowiak

From building colossal pyramids in ancient Egypt to erecting modern skyscrapers, man's greatest engineering marvels are documented through the ages. This video-based seminar will clarify how these incredible megastructures were built. Class discussions and supplemental information will reveal basic engineering principles used in the design and construction process, enabling seminar participants to better appreciate the challenges involved. Participation in discussions is encouraged.

February 7 - Great Pyramids of Giza - After 4,500 years, we are still trying to figure out how the only surviving original Seven Wonders of the Ancient World were built.

February 14 - Undersea Cables - The vast majority of international data transmissions are via undersea cables. How have they evolved over the years and how are they protected and maintained?

February 21 - Skyscrapers - We'll explore how historical developments in high rise building design and construction have led to the current world's tallest building, the 162 story Burj Dubai.

February 28 - Self Driving Cars - This seminar will answer many questions like, "How Do They Work and When Will They Be Commonly Used?"

March 6 - Building the Panama Canal

March 13 - Submarines

March 20 - Why the Towers Fell

March 27 - Raising the Costa Concordia