

IEEE (PI)² Austin Technical Meeting 8.25.2020

The FIU Pedestrian Bridge Collapse: How Did Engineers Allow This to Happen?

Speakers: Dean Van Landuyt, PE, Architectural Engineers Collaborative
Mark J. Bloschock, Jr., VRX Inc.

Abstract:

On March 15, 2018, a 175-foot-long span collapsed while under construction at Florida International University. Surprisingly, the bridge was in severe distress a few days before the collapse and engineers and workers were actively trying to strengthen the structure at the time of failure. This talk will examine the mistakes that experienced bridge professionals made that resulted in the deaths of one worker and five motorists. Attendees will quickly see how the ethical issues involved apply also to Electrical Engineering.



Tuesday, August 25, 2022

Virtual via WebEx – No charge

6:30 pm - 7:45 pm

Registration required via vTools:

<https://events.vtools.ieee.org/m/236486>

About the Speakers



Dean Van Landuyt has a BSCE and MSE from the University of Texas at Austin and worked as a staff design engineer for the Bridge Division at the Texas Department of Transportation for 30 years. Among his designs are the U.S. 183 Elevated in Austin, the U.S. 281 long-span bridge in Marble Falls and the one-of-a-kind precast concrete arch bridge in downtown Fort Worth. He currently is an engineer with Architectural Engineers Collaborative and designing new pedestrian bridges across Waller Creek in downtown Austin.



Mark Bloschock has more than 35 years of highway design, construction and maintenance experience, with an emphasis on bridge design and construction along with national and international road safety expertise. His background includes analysis of pavement or structural damage; reconstruction and rehabilitation of bridges; value engineering; and litigation support services related to structural damage and highway safety hardware including bridge rail, median barriers, cable barrier, guardrail, and crash cushions. He is retired from TxDOT Bridge Division and currently works for VRX, Inc. in Plano, Texas as a technical advisor and safety engineer to the North Texas Tollway Authority.