

# Florida Engineering Society



## A Century of Innovation

This year marks the 100<sup>th</sup> anniversary of the founding of the Florida Engineering Society (FES). During this year, our fellow members will reflect on our mission and the vision of our founders, honor the anniversary, and celebrate our Society's many achievements. FES enjoys a rich heritage, from its origin in the Jacksonville (FL) Seminole Hotel to today. When the Society was first founded, there were no professional engineering licenses recognized within the state and most engineering and design work was not completed by licensed professionals. In 1916, Florida's infrastructure was in its infancy and, in many instances, being planned and developed by unqualified individuals. One of the Society's first tasks was to help develop the State Board of Engineering Examiners. Through FES's efforts, the first all-inclusive engineering licensure law in the country was advanced and enacted into law in May 1917.

Today, Florida recognizes professional engineering licenses in many areas including civil, mechanical, electrical, fire protection, and others. FES continues to review the actions of our state government and provide protection to the public health, safety, and welfare of those who live in and visit Florida.

To celebrate our Centennial, FES is emphasizing "A Century of Innovation" that illustrates the evolution of engineering throughout the state of Florida. We have designated nine stellar "Engineering Projects of the Century" to be displayed at the FES Centennial Celebration. These engineering projects illustrate the long-term engineering solutions that provide clean water, electricity, transportation, and other engineering marvels we rely on every day, as well as demonstrate engineering excellence in their local communities.

Florida state agencies and their engineering projects are:

- Florida Department of Transportation (FDOT) featuring the Florida Turnpike System that consists of 483 miles of beautifully maintained safe toll highways.
- Florida Department of Environmental Protection (FDEP) featuring the Tampa Bay Water Regional Reservoir Renovation Program OR Lake Manatee Dam and Water Treatment Plant.

Florida Water Management Districts and their engineering projects are:

- South Florida Water Management District (SFWMD) featuring the L-8 Flow Equalization Basin Design-Build Project.
- St. Johns River Water Management District (SJRWMD) featuring the Upper St. Johns River Basin project that provides long-term flood control.
- Southwest Florida Water Management District (SWFWMD) featuring the Tampa Electric Company (TECO) Reuse Project.

Federal agencies and their engineering projects are:

- U.S. Army Corps of Engineers (USACE) featuring the Herbert Hoover Dike, its history and their continuing efforts to maintain and protect the people who live within Lake Okeechobee's floodplain.
- National Aeronautics and Space Administration (NASA) featuring the Hubble Space Telescope put into orbit on space shuttle Discovery from Kennedy Space Center, allowing extremely high-resolution images outside the distortion of Earth's atmosphere.

Municipal agency and private industry and their engineering projects are:

- Florida Keys Aqueduct Authority (FKAA) featuring the 90-mile pipeline that provides clean water from the mainland to Key West - its design, installation, and continual maintenance.
- Carrier Corporation featuring the history of air-conditioning and its impact in Florida.

The FES Centennial Committee invites engineers and others to join us for our Centennial Celebration, which will be held during the FES Annual Conference, August 4-6, 2016, at the Sawgrass Marriott, Ponte Vedra Beach, Florida. You can also promote engineering by joining our #ThankAnEngineer social media campaign and following FES (floridaengineeringsociety). For more information about the celebration and the campaign, please visit [www.fleng.org](http://www.fleng.org). We look forward to celebrating our Society's history and achievements with you!

*FES has approximately 3,100 members and its purpose is to promote and defend the professional interests of all engineers in the state of Florida, which it has successfully accomplished since 1916.*