Education:
- B.S./Ocean Engineering / Florida Atlantic University (2000)

Professional Registration:
- Professional Engineer, Florida License No. 61858 (2004)

Certifications:
- Two-Dimensional Hydraulic Modeling of Complex Waterways Course, EMSI April 2002
- Certified U.S. Navy Diver (March 1993)

Computer Skills
- Surface water finite difference and finite element numerical modeling simulations including RMA2/4, STWAVE, M2D, Bous2D, ADCIRC, CGWave, CEDAS, ACES
- Ground water finite difference modeling using MODFLOW
- Stormwater and watershed modeling using SWMM
- Computer Aided Design and Drafting utilizing AutoCAD LDD 2004 & 2006
- 3D rendering and presentation including Sketchup, 3D-Max, and Adobe Suite
- Advanced spreadsheet utilization for Excel utilizing VBA Macro
- Task Automation including Visual BASIC, C++, MATLAB
- Database including Microsoft Access and SQL

Professional Affiliations:
- Society of Naval Architects and Marine Engineers
- Small Business Advisory Board (Broward County Commissioners)
- American Society of Civil Engineers
    - Sub-Committee member of Coasts, Oceans, Ports, and Rivers Institute

Expertise:
- Coastal/Ocean Engineering Planning and Design
- 2D/3D Inland, Coastal and Ocean Modeling
- Coastal and Ocean Waves Modeling and Impact Analysis
- Watershed/Reservoir Modeling
- Port Facilities Design and Construction
- Sediment Management and Beach Design

Mr. Thurlow is a Civil/Coastal Engineer with former service as a marine electrician and polar ice diver in the United States Coast Guard. Mr. Thurlow also has an extensive family history in developing residential and commercial lands and as a Professional Engineer, incorporates his construction background into his design efforts resulting in comprehensive constructible designs that are simplified yet robust. Recent municipal projects include Allamanda Elementary School for Palm Beach County School District, roadway and neighborhood drainage improvements for City of Coral Springs, two sanitary sewer lift stations for City of Oakland Park, and storm water master plan modeling for City of Tamarac. Recent land development projects include Trotters Chase, a 27-acre mixed use development in Davie Florida, a commercial warehouse project in the City of Sunrise and a 4.7-acre three story commercial office in Pembroke Pines. Recent marine related projects include hydrodynamic evaluation, modeling and permit assistance for Berth 27 port expansion in Port Everglades, Taha Marine Center in Pompano Beach, The Sails Marina mega-yacht facility in Fort Lauderdale, Schooner Bays in Abaco, Bahamas, Florida Yacht Club in Jacksonville, Cutter Bay Marina in North Carolina, and White Bay Cay Marina in the Bahamas. Other related experiences include four years as a marine electrician and Navy Deep-Sea Diver where valuable experience was gained in complex control systems and other technical marine applications.

Professional Experience:

CO-FOUNDER AND EXECUTIVE VICE-PRESIDENT **JANUARY 2006 - PRESENT**
Botek Thurlow Engineering, Inc. Fort Lauderdale, Florida
As one of the principals in the firm, Mr. Thurlow is responsible for a variety of tasks required to execute the firm's day to day and long term operations. Areas of professional responsibilities include managing the firms' marine and coastal engineering projects as well as providing engineering design for land development and civil engineering projects.

SENIOR ENGINEER JULY 2004- JANUARY 2006
Craven Thompson & Associates, Inc. ***Fort Lauderdale, Florida***
Responsibilities include project management and design of various engineering projects from sewer lift stations to city wide drainage area studies, including lots of land re/development.

CIVIL ENGINEER MAY 2001- JULY 2004
URS / Dames & Moore ***Boca Raton, Florida***
Responsibilities included group leadership roles in addition to managing and executing multidiscipline engineering projects containing coastal, civil, and geotechnical elements. A majority of the work dealt with design and modeling of seaside development projects and storm water containment and routing.

COASTAL ENGINEER APRIL 2000 – MAY 2001
Foster Wheeler ***Boca Raton, Florida***
Responsibilities included project engineer roles for hydraulic and hydrodynamic engineering projects. Major project focus points included wave force analysis, circulation modeling, mixing, sedimentation, and erosion engineering.

Partial List of Civil Engineering Projects:

Allamanda Elementary School, Palm Beach County School District. Project included demolition of existing campus style school and construction of a new 320,000-s.f. building. Unique challenges for this project included protection of an existing forested area at the front of the property while meeting drainage requirements for a substantially larger structure. Materials were reused when possible resulting in a savings to the client. The project was also designed and constructed on a short time line and is expected to be on schedule for the 2008 school year.

Naval Air Museum, Fort Lauderdale/Hollywood International Airport. As charity, provided engineering design for a water service connection to Broward County Utilities for the recently relocated museum undergoing renovation.

Holland Sheltair Jet Center Expansion. Project included site planning, environmental impact, and various other details pertaining to the development of improved and vacant lands located at Fort Lauderdale International Airport. Project included construction of approximately 150,000 s.f. of new hangar space with required airside taxiways and aprons as well as underground utility connections and storm water management design.

City of Tamarac – Drainage Area Study. Points of interest for this study include the development of several new automation tools that provided the automatic calculation of many parameters needed for the storm water model ICPR such as stage-storage/area curves, pervious vs. impervious areas per sub-basin, and total building area per sub-basin.

Oakland Park Lift Stations D6 & D11. This project involved the re-design of two of the City's dry pit lift stations for conversion to submersible pump stations. Several operational parameters were gathered, including run times and weeks of time series data sets of pump pressures. This data was used to build a model for which the most efficient submersible pump could be selected. During the process, station D11 was converted to a triplex station allowing it to operate at fractions of its original power consumption.

Downtown Water Improvement Project, City of Oakland Park. As part of the overall system upgrade, several miles worth of existing water main was demolished and replaced with new larger diameter water mains. Other features included installation of new service lines, conflict handling, and insuring service availability during the construction process.