

# Civil Engineering Career Panel

Sponsored by the Civil Engineers Institute (CEI)

February 9<sup>th</sup> from 4:00 p.m. to 5:30 p.m. in Room 4201 of the Nguyen Engineering Building

## Do you wonder.....

- What are areas of job/business growth in civil engineering in the near and mid-term?
- What an engineering career path looks like in a utility? The military? A design company?
- What impresses employers most in a resume? In an interview?
- What interns and new engineers should pay attention to on the job to impress their boss?
- What are the pluses and minuses of different kinds of post graduate degree programs?
- What are non-traditional career paths for engineers?

Hear directly from our panelists on these and related questions. Collectively they offer decades of engineering experience from a wide variety of companies and career paths.

### Panelists

#### **William G. Fry, P.E., Senior Manager – Federal Services Group, Accenture**

Mr. Fry is a Professional Engineer with over thirty five years of experience focused in the fields of water resources, disaster recovery, and surveying/mapping. His experiences include working for national engineering firms and owning and operating his own regional surveying firm. In 2009 he joined Accenture, a 211,000 person international management, technology, and outsourcing firm. As a Senior Manager in the firm's Federal Services group he provides program management consulting to technical Federal programs. Mr. Fry holds a Civil Engineering degree from Duke University and serves as Chairman of the Board of George Mason University's Civil Engineers Institute.

#### **Colonel Ed Gibson, U.S. Army (Retired)**

Col. Gibson's engineering career began as a Second Lieutenant in the U.S. Army Corps of Engineers (USACE). In the Army, he held a number of important command and staff positions including command of the 65<sup>th</sup> Engineer Combat Battalion (Divisional) in the 25<sup>th</sup> Infantry Division in Vietnam. Following a second tour in Vietnam he commanded the United States Army Engineer Center Brigade in Fort Belvoir. He has received numerous awards, decorations, and commendations for his military service. Col. Gibson retired from civil service as Chief of Military Personnel Division at the USACE Headquarters in 1992. He remains active in the engineering community, operating a voluntary career network.

#### **Jamie Bain Hedges, P.E., Director, Planning and Engineering, Fairfax Water**

Ms. Hedges has over twenty years of water utility engineering experience with Fairfax Water, a utility that supplies water to 1.7 million Northern Virginians. In her current role she is responsible for overseeing the planning, design, and construction of Fairfax Water's facilities. Other areas of responsibility include source water management and planning; system hydraulic modeling and analysis; site plan review, and GIS. Ms. Hedges has a B.S. in Civil Engineering and an MBA from Virginia Tech and she is on the Board of George Mason University's Civil Engineers Institute.

#### **Hardeep S. Rana, P.E., Director of Corporate Engineering and Chief Engineer, Washington Gas**

Mr. Rana has over thirty years of engineering experience in the natural gas industry. He is responsible for design and engineering (D&E) activities at Washington Gas, including System Planning and Materials Engineering. He has extensive experience in the D&E of production and storage facilities, gate stations, and transmission and distribution facilities. He has an undergraduate degree in Mechanical Engineering from the University of Maryland and a Masters of Engineering Administration from George Washington University, and serves as Vice-Chairman of the Board of George Mason University's Civil Engineers Institute.

#### **Terry A. Suehr, P.E., Senior Project Manager, PBS&J**

Ms. Suehr began her career as an officer in the U.S. Coast Guard. After the excitement of chasing drug runners and rescues at sea, she chose to move on to the field of site design and land development for a private engineering firm. She continues to work as a private consultant for PBS&J and has risen to the level of Senior Project Manager. In her role, Ms. Suehr has designed and managed projects for private developers, local municipalities, and the federal government. Her most recent projects include a Japanese Air Base in Djibouti, Africa and several bases for U.S. and Afghan forces in Afghanistan. Ms. Suehr is on the Board of George Mason University's Civil Engineers Institute.