

Joint VCU-ANS and VA-ANS Meeting

October 26, 2017, 5:30 PM

VCU School of Engineering, Room E3229 East Engineering Hall

[401 W. Main St. Richmond, VA](#)

Andrew Paterson

Principal, Environmental Business International

“Trending Now: Shifts in Drivers for the Commercial Nuclear Global Landscape”

Topic

Expanding populations in Asia, high levels of economic growth, and increasing urbanization are combining to create demand for large amounts of reliable and affordable base-load electricity. Governments in Asia and some in the Middle East have recognized this need and have made nuclear power a major part of the energy mix they are developing to meet this demand. China alone is expected to have eight mega-cities (population over ten million) and more than 200 cities with over one million residents by 2030. Affordable baseload electricity is crucial for these countries to sustain the high level of economic growth they have experienced during the last decade. Government support, via regulations and financing, has been pivotal to the accelerated growth of nuclear energy. In China and India, as well as most of Asia and Europe, government enterprises are responsible for the construction and operation of nuclear power plants. The USA cannot idly let its leadership position wither away in the global nuclear energy landscape. In the nuclear arena, leadership cannot be simply “restored” based on the old “push” model of Supply-side dominance from the 20th Century. Urban demand-side factors outside Europe and North America now are pulling nuclear power construction forward in the 21st Century to satisfy burgeoning electric demand, primarily in Asian cities, and for growing populations and water needs in the Middle East and Africa. USA and allies must redefine leadership in nuclear energy via international partnerships and alliances that are unfolding now.

Speaker Biography

Mr. Paterson brings nearly three decades of experience to projects in the energy and environmental industries, focused on analysis of policy and commercial markets in energy technology and finance. He is a board member and principal with Environmental Business International (since 1990), and a principal with its financing affiliate, Verdigris Capital, LLC. While at Econergy, a private equity developer of clean energy and carbon resource projects, he worked on energy project finance and carbon management projects focused in the Americas (acquired in December 2008 by GDF-Suez). From 1997-2006, he worked in the Policy Office of the U.S. Department of Energy analyzing and implementing many aspects of the Energy Policy Act of 2005.

Mr. Paterson speaks at numerous industry conferences and is a skilled moderator in energy policy forums, and speaks on policy developments each year at the Environmental Business Summit. He works with numerous industry groups and NGOs: EPRI, NARUC, EEI, SSEB, IEA, CSLF, GABI. He also lectured on Energy Market and Policy Trends at the Naval Post-graduate School (2010-14). In 2013 he was selected Scholar of the Year at the George Mason University School of Public Policy, and is now pursuing a PhD in Energy Policy at GMU. He was chosen to speak at the 2014 Global Leaders Forum in Seoul, Korea Nov. 19-20 on National Nuclear Energy Strategies.” For the last three years he has spoken at the annual Summit of the Nuclear Infrastructure Council on “Policy and Market Drivers in the Global Nuclear Energy Landscape.” During 2015-16, he served on the ANS Committee to the States aimed at evaluating improvements to rate structures and policy measures for the current reactor fleet.

Schedule

- Social Hour – 5:30 p.m.
- Dinner – 6:15 p.m.
- Presentation – 7:00 p.m.
- Adjourn – 8:00 p.m.

Cost

\$30 for members and \$15 for students. Add \$5 for non-ANS members. A cash bar will be available.

Reservations for this meeting can be made until 4:00 p.m. on Monday, October 23, 2017. This deadline is hard. Cancellations or no-shows after the RSVP deadline will be responsible for their dinner costs.