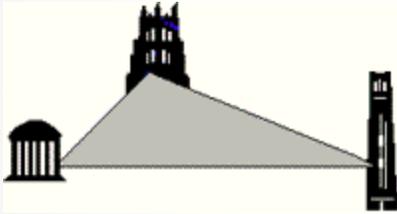


Exposing Technologists to Policy: The Triangle Institute for Security Studies

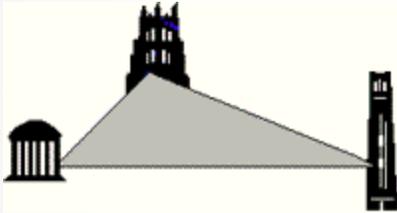
William A. Boettcher III
Associate Professor
School of Public and International Affairs
North Carolina State University
TISS Executive Board



About TISS

- TISS is an interdisciplinary consortium sponsored by three North Carolina research universities - Duke University, North Carolina State University, and the University of North Carolina at Chapel Hill. Its members share an interest in issues of national and international security, broadly defined.
- The purpose of TISS is to promote communication, education, and research in the field. To that end we organize presentations and conferences for our members, work to promote public interest in security studies, and foster research. Our core programs consist of our conferences and our speaker series.

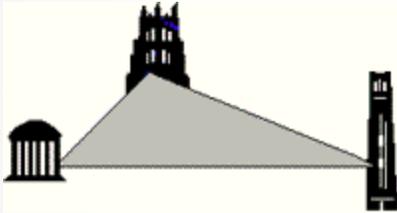




About TISS- Key Faculty and Staff

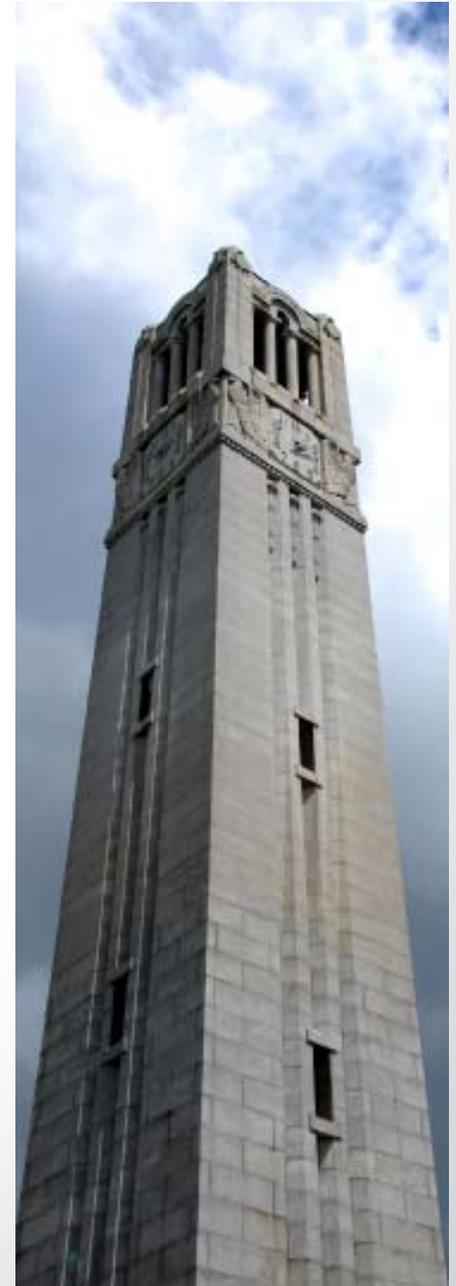
- Duke- Peter Feaver (TISS Executive Director), Alex Roland, Alex Downes, David Schanzer, Henry Brands, Eric Lorber
- UNC- Richard Kohn, Tim McKeown, Joe Caddell, Wayne Lee
- NCSU- Bill Boettcher, Rick Kearney, Mark Nance, Michael Struett, Michael Cobb, Tom Birkland, Lada Kochteeva, Carolyn Pumphrey (TISS Coordinator)
- NCCU- Rolin Mainuddin

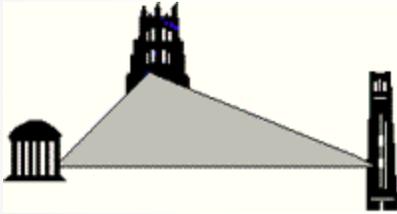




About TISS- A Broad Community

- Physicists/Engineers- John Ahearne, Thomas Clegg, Hugon, Karwowski, Henry Petrosky, Ayman Hawari, Man-Sung Yim, David McNelis, Chris Gould, Calvin Howell, Werner Tornow, Henry Weller
- Policymakers/Military- Paul Carew, Michael Cotter, Charles Dunlap, CAPT Steve Matts
- Social Sciences and Humanities- Sean Giovanello, Douglas MacLean, Jalil Roshandel, Christopher Schroeder

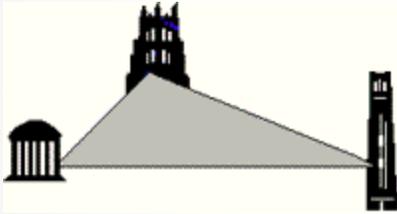




About TISS- Recent Activities

- Nuclear Security Initiative- Talks by Stephen Stedman, Adam Stulberg, John Prados; Guest Lecturers for Man-Sung Yim's NE 591 "Nuclear Nonproliferation and Safeguards Technology and Policy;" Linkages between NE and SPIA/TISS (merged classes, shared undergraduate research, INMM chapter); Meetings with Hall, Icenhour and ORNL Representatives
- Wide Area Persistent Surveillance Conference- Contractors, Engineers, Military Officers, Policymakers, Historians, Political Scientists, Students
- Keynote Speakers- Zakaria, McMaster

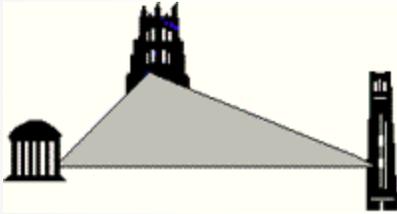




About TISS- Future Activities

- Nuclear Security Initiative- “Securing Our Nuclear Future” Conference, September 13 (issues related to globalization of nuclear industry); Continuation of Friday Luncheon Series (Fuhrman, Schanzer, Giovanello); Expanded linkages between NCSU NE and SPIA (ACC-GTRP Grant); ORNL-UTK
- Energy and Security Initiative- “The National Security and Energy Dilemma” Conference, March 3-4 (broad scope of agenda and participants)
- Keynote Speakers- Gates

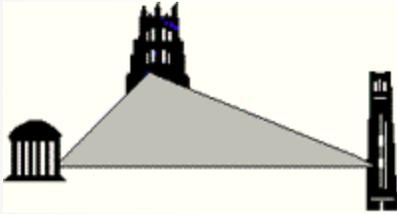




TISS/SPIA Research Connections

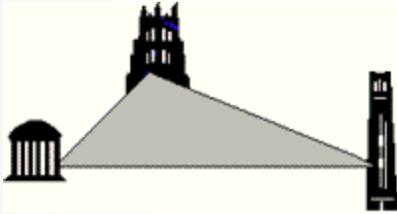
- Feaver/Gelpi and Boettcher/Cobb work on public opinion
- Feaver's work on nonproliferation policy and experience as policymaker (Clinton and Bush NSC staffer)
- Boettcher's work on homeland security technology
- Downes' nonproliferation simulation
- Cobb's work on public acceptance of nanotechnology
- Nance's work on illicit trade networks
- Kochteeva's work on environmental policy
- Birkland's work on disaster preparedness and response





Technologists and Policymakers





How Policymakers Think

- Vague understanding of risk and uncertainty (naïve social scientists)- sensitivity to gain/loss framing, subadditivity of probabilities, certainty bias, over/under-estimation of highly probable/unlikely events
- Problems with policymakers- follow political “instincts,” devalue/oversimplify scientific advice, use science to justify ideological positions, water down advice (everything is negotiable), appeal to uninformed public, process not outcome oriented
- Problems with science/technology- probabilistic/uncertain results, limited scope of research, distance from practitioners/policymakers

