

**Current position:**

**Virginia Tech School of Public and International Affairs (Blacksburg, Virginia)**

*Assistant Professor of Urban Affairs and Planning, 2015 - present*

- *Current research:* Joint fact-finding in science-intensive disputes; collaboration at the science-policy interface; methods to increase empathy and understanding; renewables siting; facilitating coastal climate adaptation through the use of serious games; invasive species management; reducing nutrient pollution; increasing statistical understanding
- *Teaching:* Collaborative Planning and Community Involvement; Sustainable Policy Making and Planning in Europe (study abroad); Introduction to Environmental Policy and Planning; studios
- *Service:* VT Faculty Senate and Senate Cabinet (CAUS representative); Policy Destination Area stakeholder & chair of curriculum committee; Commission on Faculty Affairs member; Center for Communicating Science Advisory Board member; MURP admissions committee; Interfaces of Global Change Integrated Graduate Education Program curriculum committee member
- *Other affiliations:* Global Change Center at Virginia Tech

**Education:**

**Massachusetts Institute of Technology (Cambridge, Massachusetts)**

*PhD in Public Policy and Planning, 2015*

- *Dissertation:* Institutionalizing Uncertainty: Exploring how infrastructure stakeholders can prepare for uncertain climate futures. Cases in Rotterdam, Singapore and Boston
- *Exam fields:* Public Policy; Sustainability in Theory and Practice
- *Committee:* Prof. Lawrence Susskind (MIT, chair), Prof. Adil Najam (Boston University – Pardee School of Global Studies), and Prof. Richard de Neufville (MIT – Engineering Systems Division)

*Master in City Planning, 2009 (GPA 4.8/5.0)*

- *Specialization:* Environmental Policy & Planning
- *Master's thesis:* Climate change-induced resettlement
- *Other key projects:* MIT D-Lab in Qinghai, China; practicum on urban climate adaptation in eThekweni (Durban), South Africa

**University of Guelph (Guelph, Ontario, Canada)**

*Honors Bachelor of Arts, 2002*

- Geography (major) and International Development (minor)

**Teaching Experience:**

- **Planning Theory and History** (Spring 2019)  
*Virginia Tech, PhD and Masters-level course*
- **Collaborative Policy-Making and Planning, Instructor** (fall 2015 - present)  
*Virginia Tech, graduate and undergraduate courses introducing engagement methods*
- **Environmental Policy and Planning, Instructor** (fall 2016 – present)  
*Virginia Tech, undergraduate introductory course for students from various disciplines*

- **Sustainable Policy Making and Planning in Europe, Instructor** (Summer 2016 - present)  
*Virginia Tech, graduate and undergraduate study abroad program*
- **Environmental Planning Studio** (Spring 2018)  
*Graduate level studio with retirement home developer Smith/Packett to consider integration of sustainability into their facilities*
- **Ph.D. Colloquium** (Fall 2017, Spring 2018)  
*PhD students share their work and learn about special topics, like academic publishing*
- **Urban Development Project Review Studio** (Spring 2017)  
*Virginia Tech, graduate level studio focused on campus planning for ‘creativity and innovation’*
- **Art and Science of Negotiation, Instructor** (Spring 2014 and Spring 2015) and **TA** (2012)  
*Massachusetts Institute of Technology, Undergraduate negotiation course*
- **Negotiation and Dispute Resolution in the Public Sector, TA** (2011 and 2012)  
*Massachusetts Institute of Technology, graduate-level negotiation and facilitation course*
- **Negotiation in Scientific and Technical Fields, Co-Instructor** (Summer 2013)  
*Massachusetts Institute of Technology, executive education course*
- **Climate Change and Sustainable Land-Water Management, Instructor** (2011)  
*Arab Water Academy and World Bank Institute, executive education course for govt. officials*
- **Local Communities Adapting to Climate Change: Managing Risk in Decision Making** (2009 - 2011) *Lincoln Institute and Consensus Building Institute, executive education*
- **Course for Sustainability: Strategies, Methodologies, Policies and Actions for Central and Eastern Europe, Instructor and Project Manager** (2005 - 2007)  
*Regional Environmental Center for CEE, Venice International University, and the Italian Ministry for the Environment, Land and Sea, course for senior government officials*
- **Junior Fellows/Young Environmental Leaders Programme, Instructor** (2003 - 2007)  
*Regional Environmental Center for Central and Eastern Europe, program for young NGO leaders*
- **Invited guest lectures** at the University of Tokyo, Boston University, Technical University of Ostrava (Czech Republic), and the University of Massachusetts – Lowell

### **Previous Professional Experience:**

**MIT Science Impact Collaborative** – A research team developing and testing innovative ways to manage science-intensive environmental policy questions.

*Assistant Director, 2013-2014*

- Co-organized various events, including a workshop on the use of serious games for teaching and research, and a devising seminar on Arctic fisheries with senior stakeholders
- Represented the initiative in various forums

**The Consensus Building Institute (Cambridge, Massachusetts)** - CBI is a leading organization in the fields of negotiation and dispute resolution.

*Senior Consultant (part-time), 2007 – 2013*

- Developed and delivered various trainings. For example, a lecture and exercise on climate change negotiations for senior civil servants from across the Middle East and North Africa
- Prepared numerous role-play simulation exercises. For example, an exercise on climate change adaptation planning for civil servants and other key stakeholders involved in the Ghanaian hydroelectricity sector

- Coordinated the *Local Communities Adapting to Climate Change: Managing Risk in Decision Making* course for local government officials. Developed an online version
- Worked on various mediation and facilitation projects, including the *Connecticut River Watershed Project Assessment Report* and the *Cambridge Climate Emergency Congress*
- Completed a working paper for the Lincoln Institute of Land Policy on sea level rise adaptation

**The Regional Environmental Center for Central and Eastern Europe (Hungary)** – The REC is an international organization working in 17 Central and Eastern European countries

*Project Manager, NGO Support and Capacity Building Programmes, April 2005 – July 2007*

- Managed the *Course for Sustainability: Strategies, Methodologies, Policies and Actions for Central and Eastern Europe*, an intensive training program for senior civil servants from across the region. Supervised and supported the project team. Lectured on urban sustainability, and coordinated and worked with other lecturers
- Worked on various other projects strengthening both government and civil society organizations
- Administered regional grants for NGOs, particularly in the Balkans region
- Developed new project proposals for various donors

*Project Officer, NGO Support Programme, March 2003 – April 2005*

- Facilitated training sessions for *Young Environmental Leaders* from CEE and managed the REC's internship program
- Administered grants and monitored and evaluated the financial aspects of projects
- Developed a community-based social marketing project for NGOs

*Assistant to the Deputy Executive Director, March 2003 – February 2004*

*Social Marketing and Communications Officer, Information Programme, September 2002 – March 2003*

### **Awards and Fellowships:**

- Faculty/Staff Civility award, Virginia Tech Student Affairs (2019)
- Institute for Society, Culture & Environment Scholars Grant (2018-2019)
- Graduate Research Fellow, Program on Negotiation at Harvard Law School (2014-2015)
- World Social Science (ISSC) Risk Interpretation and Action Fellow (New Zealand, 2013)
- Martin Family Society Fellow for Sustainability, MIT (2012-2013)
- O. Robert Simha Prize for Outstanding Work in Planning Affecting Cambridge, MA or Higher Education (2009)
- MIT Presidential Fellow (2009-2010)
- Grants and support from the Dutch Knowledge for Climate research program, Program on Negotiation at Harvard Law School, and the Water Diplomacy Program at Tufts

### **Key Leadership and Voluntary Activities:**

- Member of the Virginia Tech Faculty Senate, and cabinet representative for College of Architecture and Urban Studies. Serve on Commission on Faculty Affairs and other university committees
- Secretary of MIT's Graduate Student Council (2010-11)
- Co-founder of Sustainability@MIT - A group of over 800 students devoted to advancing sustainability through both practice and research
- Founding president of the MIT Food Initiative (now MIT Food and Agriculture Collaborative)

## **Publications:**

### **Books**

Schenk, T. (2018). *Adapting Infrastructure to Climate Change: Advancing decision-making under conditions of uncertainty and complexity*. London and New York: Routledge.

Matsuura, M. & T. Schenk, eds. (2017). *Joint Fact Finding in Urban Planning and Environmental Disputes*. London and New York: Routledge.

### **Journal Articles**

Yeganeh, A.J., A.P. McCoy & T. Schenk (2020). Determinants of climate change policy adoption: A meta-analysis. *Urban Climate*, 31: 100547.

Barney, J.N., T. Schenk, D.C. Haak, S. Salom, B. Brown & E.R. Hotchkiss (2019). Building Partnerships and Bridging Science and Policy to Address the Biological Invasions Crisis. *Invasive Plant Science and Management*, 1-5. doi:10.1017/inp.2018.33

Chu, E., T. Schenk & J. Patterson (2018). The Dilemmas of Citizen Inclusion in Urban Planning and Governance to Enable a 1.5 °C Climate Change Scenario. *Urban Planning*, 3(2): 128–140.

Edelenbos, J., I. van Meerkerk & T. Schenk (2018). The Evolution of Community Self-Organization in Interaction With Government Institutions: Cross-Case Insights From Three Countries. *American Review of Public Administration*, 48(1), 52-66. doi:10.1177/0275074016651142.

Eriksen, C., E.E. Hudson-Doyle, R. Alaniz, C. Adler, T. Schenk & S. Vallance (2018). Embodied uncertainty: living with complexity and natural hazards. *Journal of Risk Research*, 21(3): 290-307.

Rumore, D., T. Schenk & L. Susskind (2016). Role-play simulations: A tool for climate adaptation education and engagement. *Nature Climate Change*, 6: 745-750.

Shi, L., E. Chu, I. Anguelovski, A. Aylett, J. Debats, K. Goh, T. Schenk, K.C. Seto, D. Dodman, D. Roberts, J.T. Roberts & S.D. VanDeveer (2016). Roadmap towards justice in urban climate adaptation research. *Nature Climate Change*, 6: 131–137.

Schenk, T., R.A.L. Vogel, N. Maas & L. Tavasszy (2016). Joint Fact-Finding in Practice: Review of a Collaborative Approach to Climate-Ready Infrastructure in Rotterdam. *European Journal of Transport and Infrastructure Research*, 16(1): 273-293.

Susskind, L. & T. Schenk (2014). Can Games Really Change the Course of History? *Négociations*, 2(22): 29-39.

World Social Science Fellows on Risk Interpretation and Action (2014). Reporting on the Seminar – Risk Interpretation and Action (RIA): Decision Making Under Conditions of Uncertainty. *Australasian Journal of Disaster and Trauma Studies*. 18 (1), pp. 27-37.

Schenk, T. & L.C. Stokes (2013). The Power of Collaboration. *IEEE Power & Energy*, May/June: 56-65.

Bollinger, L.A., C.W.J. Bogmans, E.J.L. Chappin, G.P.J. Dijkema, J.N. Huibregtse, N. Maas, T. Schenk, M. Snelder, P. van Thienen, S. de Wit, B. Wols & L.A. Tavasszy (2013). Climate Adaptation of Interconnected Infrastructures: A Framework for Supporting Governance. *Regional Environmental Change*, 13(1); DOI: 10.1007/s10113-013-0428-4.

Susskind, L., A. Camacho & T. Schenk (2011). A Critical Assessment of Collaborative Adaptive Management in Practice. *Journal of Applied Ecology*, doi: 10.1111/j.1365-2664.2011.02070.x.

Susskind, L., A. Camacho & T. Schenk (2010). Collaborative Planning and Adaptive Management in Glen Canyon: A Cautionary Tale. *Columbia Journal of Environmental Law*, vol. 35, vo. 1.

## **Book Chapters**

- Meyers, R., P. Miller, T. Schenk, W.M. Ford, R.F. Hirsh, S. Klopfer, A. Marathe, A. Seth & M.J. Stern (forthcoming). A framework for sustainable siting of wind energy facilities: Economic, social, and environmental factors. *Energy Impacts: Coordinating Research on the Social Impacts of Energy Development*. University Press of Colorado.
- Chu, E. & T. Schenk (2017). Communicating About Climate Change With Urban Populations and Decision-Makers. *Oxford Research Encyclopedia of Climate Science*. <http://climatescience.oxfordre.com/view/10.1093/acrefore/9780190228620.001.0001/acrefore-9780190228620-e-413>.
- Schenk, T., E. Czaika, D. Rumore & M. Russo (2016). Joint fact-finding: An approach for advancing interactive governance when scientific and technical information is in question. *Critical Reflections on Interactive Governance*. L. Edelenbos and I. van Meerkerk, eds. Cheltenham, UK: Edward Elgar Publishing.
- Schenk, T. & L. Susskind (2015). Using role-play simulations to encourage adaptation: Serious games as tools for action research. *Action Research for Climate Change Adaptation: Developing and applying knowledge for governance*. A. van Buuren, J. Eshuis and M. van Vliet, Eds. London and New York: Routledge.
- Schenk, T. (2014). Boats and Bridges in the Sandbox: Using Role Play Simulation Exercises to Help Infrastructure Planners Prepare for the Risks and Uncertainties Associated With Climate Change. *Infranomics: Sustainability, Engineering Design and Governance*. A.V. Gheorghe, M. Maserà and P.F. Katina, eds. Berlin, Germany: Springer.
- Juras, A. & T. Schenk (2005). Budapest Sewage Works: Partial privatization of a Central European Utility. *Limits to Privatization: How to Avoid Too Much of a Good Thing*. E.U. von Weizsäcker, O.R. Young and M. Finger, Eds. London and Sterling, VA: Earthscan, pp 34-39.
- Juras, A. & T. Schenk (2005). Union Minière Pirdop Copper, Bulgaria: A case of privatization and the environment. *Limits to Privatization: How to Avoid Too Much of a Good Thing*. E.U. von Weizsäcker, O.R. Young and M. Finger, Eds. London and Sterling, VA: Earthscan, pp 47-50.

## **Other Articles & Publications**

- Schenk, T. & E. Buchanan (2016, Oct 12). Making Frenemies: Virginia Tech project aims to facilitate more civil discourse among the utterly opposed. *Roanoke Times*.
- Schenk, T. & O. Ferguson (2012). *Coastal States' Climate Adaptation Initiatives: Sea Level Rise and Municipal Engagement*. Lincoln Institute of Land Policy Working Paper, WP12TS1.
- Schenk, T., D. Plumb & E. Paul (2011). Preparing Through Simulation: Using Role-Play Exercises to Incorporate Climate Risks Into Decision-Making. *Practical Solutions for a Warming World: American Meteorological Society Conference on Climate Adaptation*, July 2011.
- Schenk, T. (2008, April). Assessing the State of Conflict Assessment. *CBI Reports*, April, 2008.
- Filcak, R., T. Schenk & R. Atkinson (2006). *Sustainability in Action: NGO Initiatives for Sustainable Development in the Western Balkans*. Szentendre, Hungary: The Regional Environmental Center for Central and Eastern Europe.
- Schenk, T. (2006, October). The Road to Suburbia. *The GreenHorizon*, vol. 3, no. 3, 15.
- Schenk, T. (2006, August). Chewing Slowly in CEE. *Diversity*, vol. 2, no. 4, 14.
- Simpson, J., T. Schenk & G. Krzywkowska (2003). *Snapshot of Environmental Information Systems in South Eastern Europe: Current Progress and Future Priorities*. Szentendre, Hungary: The Regional Environmental Center for Central and Eastern Europe.