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Environmental Sciences Division	Department of Political Science	
Oak Ridge National Laboratory	University of Tennessee, Knoxville	(Home address)
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RESEARCH INTERESTS: Environmental and energy policy, futures studies, sustainability, climate change, decision making and uncertainty methods, technology policy, computers in society.

EDUCATION:

9/79-6/82 **Northwestern University**, Ph.D. in Urban and Regional Planning.
9/77-6/79 **Harvard University**, Masters in City and Regional Planning (Graduate School of Design and Kennedy School of Government).
9/73-6/77 **Stanford University**, B.S. in Civil Engineering.

EXPERIENCE:

8/07 - Present **Associate Head**, Department of Political Science, University of Tennessee, Knoxville
8/04 - Present **Professor**, Department of Political Science, University of Tennessee, Knoxville
8/04 - Present **Director**, Urban and Regional Planning Program, University of Tennessee, Knoxville
3/08 - Present **Faculty Associate**, Howard H. Baker Jr. Center for Public Policy
7/06 - Present **Leader**, Environmental Sustainability Group, Institute for a Secure and Sustainable Environment, University of Tennessee, Knoxville
9/01- Present **Senior Researcher**, Environmental Sciences Division, Oak Ridge National Laboratory
8/03 - 7/06 **Chair**, Urban Studies Program, University of Tennessee-Knoxville
8/03 - 7/04 **Interim Director**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
8/01- 7/04 **Professor**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
8/99 -7/01 **Associate Professor**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
9/97 - 9/01 **Senior Researcher**, Energy Division, Oak Ridge National Laboratory
10/95 - 9/98 **Co-principal Investigator**, National Center for Environmental Decision-making Research
9/88 - 8/97 **Group Leader**, Policy Analysis Systems Group, Oak Ridge National Laboratory.
1/83 - 8/88 **Research Staff**, Oak Ridge National Laboratory.

RECENT PROJECTS: U.S. DOE “National Evaluation of Weatherization Assistance Program”
Deloitte Touche “National Energy Portfolio Perspectives”
U.S. EPA “The Next Big Thing in Environmental Protection”
U.S. DOE “Renewable Portfolio Standards and Low Income Households”
NYSERDA “Directly Measuring Non-Energy Impacts”
U.S. DOE “Weatherization Assistance Program Evaluation Planning”
U.S. DOE “Estimating Energy Savings Attributable to the DOE State Energy Program”
U.S. DOE “Preliminary Estimates of Federal Energy Management Program Metrics”
NYSERDA “Assessing Synergistic Benefits of Market Transformation Programs”

U.S. EPA "Air Quality in the Great Smokey Mountains National Park"
U.S. DOE "Preliminary Estimates of Best Practices Program Metrics"
U.S. DOE "Benefits of Automotive Lightweight Materials Program Research Projects"
U.S. DOE "Impact of Weatherization on Demands for LIHEAP Benefits"

APPOINTMENTS: Peer Review Panel, Environmental Decision Making, EPA, Jan. 30-Feb. 1, 2008
Energy Working Group, University of Tennessee, Knoxville
Expert Reviewer, IPCC Working Group II Fourth Assessment, Fall, 2005
Peer Review Panel, STAR Fellowships, EPA, February 16-17, 2005
Associate, Energy, Environment and Resources Center, University of Tennessee,
Knoxville, 2002-2005
Expert Panel, State of California Non-Energy Benefits of Low Income
Weatherization Program Rate Test Assessment, San Francisco, CA, February 27,
2001
ICMA Risk Workgroup Member, June 2000 - June 2001
NSF Information Technology Research (ITR), Socio-economics Panel Reviewer,
Washington, DC, May 4-5, 2000.
NSF Knowledge and Distributed Intelligence Initiative (KDI) Panel Reviewer,
Washington, DC, July 12- 13, 1999.
Peer Review Panel for the Integrated Risk Project: EPA Science Advisory Board,
Washington, DC, July 1-2, 1999.
Peer Review Panel, EPA FUTURES — Detecting Early Signals Grants Program,
Washington, DC, March 1999.
Council Member, Social Science Computing Association, 1991-1996.
President, Social Science Computing Association, 1993-1994.

EDITORIAL Consulting Editor, *Futures*
BOARDS: Member, *Social Science Computing Review*

PROFESSIONAL Organizing Committee, Energy and Responsibility: A Conference on Ethics
MEETINGS: and the Environment, Knoxville, TN, April 10-12, 2008.
Organizing Committee, Using Assessments to Strengthen River Restorations
ICMA, Norfolk, Virginia, June 15-16, 2001
Organizing Committee, 2nd NCEDR Conference on Environmental Decision
Making, April 1999.
Organizing Committee, Workshop on Information Technology and Environmental
Decision Making, Kennedy School of Government, Harvard University,
Cambridge, MA, October 1998.
Organizing Committee, 1st NCEDR Conference on Environmental Decision
Making, May 1998.
Program Committee, Industrial Engineering Applications of Artificial Intelligence
and Expert Systems, June 1997.
Chair, Workshop on "Information Technology, K-12 Education, and the Issue of
Sustainability," Chattanooga, TN, September 24-26, 1995.
Program Committee, Conference on Computing for the Social Sciences, San Diego
Supercomputer Center, San Diego, CA, June 16-20, 1995.
Co-Chair, Workshop on "Public Policy Responsibilities in a Restructured Electric
Industry," Chicago, IL, April 3-4, 1995.
Co-Chair, Workshop on "IRP and the Electric Utility of the Future," Chicago, IL,
July 19_20, 1994.

Program Committee, Conference on Computing for the Social Sciences, University of Maryland, College Park, MD, June 1-3, 1994.
Chair, Workshop on "Uncertainty and Global Climate Change," Knoxville, TN, March 22-23, 1994.
Co-Chair, National Information Infrastructure Education Forum, Arlington, VA, October 6-8, 1993.
Program Chairperson, Conference on Computing for the Social Sciences, National Center for Supercomputing Applications, Urbana, IL, May 19-21, 1993.
Co-Chair, Workshop on the "Urban Perspectives of Acid Rain," Raleigh, NC, September 23-24, 1992.
Organizing Committee, Conference on Advanced Computing and Information Technologies for the Social Sciences, University of Georgia, Athens, GA, April 8-10, 1991.
Co-Chairperson, Conference on Advanced Computing for the Social Sciences, Williamsburg, VA. April 10-12, 1990.

AWARDS: **Founders Award of Merit**, Social Science Computing Association, June 20, 1995.
Walter P. Murphy Fellowship, Northwestern University, 1979-80.
Newhouse Foundation Scholarship, Stanford University, 1976-77, 1975-76.

PROFESSIONAL AFFILIATIONS: Member, American Planning Association
Member, Society for Risk Analysis
Member, American Association for the Advancement of Science
Member, World Futures Society
Member, World Futures Studies Federation

JOURNAL ARTICLES/BOOK CHAPTERS

Tonn, B. and Blalock, B. "Intervention in Countries with Unsustainable Energy Policies: Is It Ever Justifiable?" Energy & Responsibility Conference Book Volume (Forthcoming)

Tonn, B. "Sustainability: Time is of the Essence," (Forthcoming chapter in book on sustainability)

Tonn, B. and Wagers, K. "Threats to Democratic Rationality," **World Futures** (Forthcoming)

Tonn, B. and MacGregor, D. "Introduction to the Special Issue on Human Extinction," **Futures**, Vol. 41, No. 10 (forthcoming)

Tonn, B. and Tonn, J. 2009. "A Literary Human Extinction Scenario," **Futures**, Vol. 41, No. 10 (forthcoming)

Tonn, B., and MacGregor, D. 2009. "A Singular Chain of Events," **Futures**, Vol. 41, No. 10 (forthcoming)

Tonn, B. 2009. "Beliefs about Human Extinction," **Futures**, Vol. 41, No. 10 (forthcoming)

Peretz, J. Das, S., and Tonn, B. 2009. "Evaluating Knowledge Benefits of Automotive Lightweighting Materials R&D Projects," **Evaluation and Program Planning**, Vol. 32, 300-309.

Poudyal, N., Hodges, D., Tonn, B., and Cho, S-H. 2009. "Valuing Diversity and Spatial Patterns of Open Space Plots in Urban Neighborhoods," **Forest Policy and Economics**, Vol. 11, 194-201.

Tonn, B. 2009 "Obligations to Future Generations and Acceptable Risks of Human Extinction" **Futures**, Vol. 41, No. 7, 427-435.

Tonn, B. Healy, K.C., Gibson, A., Ashish, A., Cody, P., Lula, S., Mazur, J., Beres, D., and Ritter, A.J. 2009. "Power from Perspective: Potential Future United States Energy Portfolios," **Energy Policy**, Vol. 37, 1432-1443.

Tonn, B. and MacGregor, D. 2009. "Individual Approaches to Futures Thinking and Decision Making," **Futures**, Vol. 41, 117-125.

Tonn, B. and Carpenter, P. 2008. "Technology for Sustainability," Sven Erik Jorgensen & Brian D. Fath (Eds.), **Encyclopedia of Ecology**, 1st Edition, Elsevier B.V., Oxford, 3489-3493.

Tonn, B. 2008. "Futures: The Next Big Things," **Futures**, Vol. 40, 909-912.

Das, S., Tonn, B., and Peretz, J. 2008 "Application of Economic Evaluation Techniques to Automotive Lightweighting Materials Research and Development Projects," **Research Evaluation**, Vol. 17, No. 2, 133-148.

Tonn, B. 2008 "A Methodology for Quantifying and Aggregating the Impacts of Environmental Scanning Leads," **Technological Forecasting and Social Change**, Vol. 75, 595-609.

Tonn, B. 2008 "Viewing Economics Through the Prism of Sustainable Development and Self-Sufficiency," **World Future 2008: Seeing the Future Through New Eyes**, World Future Society, Bethesda, MD. 281-302.

Tonn, B. Book Review. 2008. "Engaging the Future: Forecasts, Scenarios, Plans, and Projects," By Lewis Hopkins and Marisa Zapata in **Journal of the American Planning Association**, Vol. 74, No. 1, 139-140.

Tonn, B. Book Review: 2007 "Deep Futures: Our Prospects for Survival," by Doug Cocks in **Environments**, Vol. 35, No. 1, 115-117.

Tonn, B. 2007. "Futures Sustainability," **Futures**, Vol. 39, 1097-1116.

Tonn, B. and Conrad, F. 2007. "Thinking about the Future: A Psychological Analysis," **Social Behavior and Personality**, Vol. 35, No. 9, 889-902.

Tonn, B. 2007. "Living as if Futures Matter," in **Hopes and Visions for the 21st Century**, World Futures Society, Bethesda, MD, 345-360.

Tonn, B. and Peretz, J. 2007. "State-Level Benefits of Energy Efficiency," **Energy Policy**, Vol. 35, 3665-3674.

Tonn, B., and Marland, G., 2007. "A Method for Attributing Carbon Sequestered in Wood Products to Multiple Parties," **Environmental Science and Policy**, Vol. 10, 162-168.

Tonn, B. 2007. "The Intergovernmental Panel for Climate Change: A Global Scale Transformative Initiative," **Futures** Vol. 39, 614-618.

Tonn, B. 2007. "Determinants of Futures-Oriented Environmental Policies: A Multi-Country Analysis," **Futures** Vol. 39, 773-789.

Tonn, B. and Eisenberg, J. 2007. "The Aging U.S. Population and Residential Energy Demand," **Energy Policy**, Vol. 35, 743-745.

Tonn, B., Conrad, F., and Hemrick, A. 2006. "Cognitive Representations of the Future: Survey Results," **Futures** Vol. 38, 810-829.

Tonn, B. 2006. "Coevolution of Social Science and Emerging Technologies," W. Bainbridge and M. Roco (Eds.) **Managing Nano-Bio-Info-Cogno Innovations: Converging Technologies in Society**, Springer, Dordrecht, The Netherlands, 309-336.

Tonn, B., English, M., and Turner, R. 2006. "The Future of Bioregions and Bioregional Planning," **Futures**, Vol. 38, No. 4, 379-381.

Tonn, B., English, M., Turner, R., and Hemrick, A. 2006. "The Future of Bioregional Planning in the Southern Appalachian Man and the Biosphere Region," **Futures**, Vol. 38, No. 4, 490-504.

Tonn, B., Peretz, J., Reed, G., and Robles, L. 2006. "Ozone Concentrations Around the Great Smoky Mountains National Park," **Futures Research Quarterly**, Vol 21, No. 3, 57-80.

Peretz, J., Tonn, B., Garnmeister, S., Reed, G., and Robles, L. 2005. "Using Scenarios to Assess the Impact of Air Pollution in the Great Smoky Mountains National Park," **Public Works Management and Policy**, Vol. 10, No. 2, October 2005, pp. 170-185.

Tonn, B. and Hogan, M. 2005. "House of Lords: Guardians of Future Generations," **Futures**, Vol. 38, 115-119.

Peretz, J., Das, S. and Tonn, B. 2005. "Evaluating the Short-Run Benefits of Federal R&D Expenditures," **Journal of Technology Transfer**, 30(3), 2005, pp. 287-301.

Peretz, J., Tonn, B., and Folz, D. 2005. "Explaining the Performance of Mature Municipal Solid Waste Recycling Programs," **Journal of Environmental Planning and Management**, Vol. 48, No. 5, 627-650.

Tonn, B. 2005. "Thinking About the Future: Observations from the Field," **Futures Research Quarterly**, Vol. 20, No. 4, 33-46.

Tonn, B. 2005. "Imprecise Probabilities and Scenarios," **Futures**, Vol. 37, No. 8, 767-775.

Tonn, B. 2004. "Darwin and Beyond," **Futures**, Vol. 36, No. 10, 1121-1125.

Das, S., Tonn, B., and Peretz, J. 2004. "Benefit-Cost Analysis of Automotive Materials Lightweighting Projects," **International Journal of Energy Technology Policy**, Vol. 2, No. 4, 369-391.

Tonn, B. 2004. "MyEmpowerNet.gov: A Proposal to Enhance Policy E-Participation" **Social Science Computing Review**, Vol. 22, No. 3, 335-356.

Tonn, B. and Cottrill, C. 2004. "An Environmental Plan for the Middle Nolichucky River Area," **Environmental Practice**, Vol. 6, No. 1, 50-62.

Tonn, B. and Hemrick, A. 2004. "Impacts of the Use of E-mail and the Internet on Personal Trip Making Behavior," **Social Science Computing Review**, Vol. 22, No. 2, 270-280.

Tonn, B. 2004. "Religion, Futures and Futurism," **Futures**, Vol. 36, No. 9, 1045-1048.

Tonn, B. 2004. "Research Society: Science and Technology for the Ages," **Futures**, Vol. 36, 335-346.

Tonn, B. 2004. "Integrated 1000-Year Planning," **Futures**, Vol. 36, 91-108.

Tonn, B. 2003. "An Equity-First, Risk-Based Framework for Managing Global Climate Change," **Global Environmental Change**, Vol. 13, 295-306.

Schweitzer, M. and Tonn, B. 2003. "Nonenergy Benefits of the U.S. Weatherization Assistance Program: a Summary of Their Scope and Magnitude." **Applied Energy**, Vol. 76, 321-335.

Tonn, B., Schexnayder, S., Peretz, J., Das, S. and Waidley, G. 2003. "Assessment of Waste Issues Associated with the Production of New, Lightweight, Fuel Efficient Vehicles," **Journal of Cleaner Production** Vol. 11, No. 7, 753-766.

Tonn, B., Wagner, S. and Schmoyer, R. 2003. "Weatherizing the Homes of Low-Income Home Energy Assistance Program Clients: A Programmatic Assessment," **Energy Policy**, Vol. 31, 735-744.

Tonn, B. and Conrad, F. 2003. "Using Informants' Judgments to Infer Attributes in Dynamic Domains," **Field Methods**, Vol. 15, No. 2, 202-217.

Tonn, B. 2003. "Introduction: What Futures for Social Science?" **Futures**, Vol. 35, No. 6, 547-551.

Tonn, B. 2003. "The Future of Futures Decision Making," **Futures**, Vol. 35. No. 6, 673-688.

Tonn, B. 2003. Book Review. Concrete and Clay: Reworking Nature in New York City by Matthew Gandy, (MIT Press, Cambridge, MA.) **Journal of Planning Education and Research**, Vol. 22, No. 3, 319-320.

Tonn, B. and Das, S. 2002. "Assessment of Platinum Availability for Advanced Fuel-Cell Vehicles," **Transportation Research Record**, 1815, 99-104.

Tonn, B., and Ogle, L. 2002. "Gatlinforge: A Vision of a Future Gateway Community," **Futures Research Quarterly**, Vol. 18, No. 3, 5-39.

Tonn, B. and Ogle, E. 2002. "A Vision for Communities in the 21st Century: Back to the Future," **Futures**, Vol. 34, No. 8, 717-734.

Schweitzer, M., Berry, L., Jones, D., and Tonn, B. 2002. "Quantifying the Output of the State Energy Program: The Enumeration Indicators Approach," **Energy Studies Review**, Vol. 10, No. 2, 140-156.

Tonn, B. 2002. "Urban and Rural Values: Technological Perspectives," E. Novaky, T. Gaspar, and G. Tyukodi (Eds.) **Changing Values – Forming New Societies**, Futures Studies Center, Budapest University of Economic Sciences and Public Administration, Budapest, Hungary, 118-122.

Tonn, B. 2002. "Anytown USA in the Year 2050: Glimpses of the Future," **Planning Forum**, Vol. 8, 79-95.

Tonn, B. 2001. "Distant Futures and the Environment," **Futures**, Vol. 34, No. 2, 117-132.

Tonn, B., Zambrano, P., and Moore, S. 2001. "Community Networks or Networked Communities: State-of-the-Art," **Social Science Computer Review**, Vol. 19, No. 2, 201-212.

Tonn, B., Petrich, C., and Waidley, G., 2001. "The Aging U.S. Population and Environmental Policy," **Journal of Environmental Planning and Management**, Vol. 44, No. 6, 851-876.

Tonn, B. 2001. "Institutional Designs for Long-term Stewardship of Nuclear and Hazardous Waste Sites," **Technological Forecasting and Social Change**, Vol. 68, 255-273.

Tonn, B. and Peretz, J. 2001. "A Method for Gauging the Limits to Foresight in Environmental Decision Making," **Technological Forecasting and Social Change**, Vol. 67, 35-53.

Tonn, B. 2000. "Monetary Policy and the Non-Profit Sector," Opinion Piece, **Chronicle of Philanthropy**, Oct. 19.

Tonn, B. and Martin, M. 2000. "Industrial Energy Efficiency Decision Making," **Energy Policy**, Vol. 28, 831-843.

Tonn, B., English, M., and Travis, C., 2000. "A Framework for Understanding and Improving Environmental Decision Making," **Journal of Environmental Planning and Management**, Vol. 43, No. 2, 165-185.

Tonn, B. 2000. "Technology for a Sustainable Environment: A Futures Perspective – Commentary," **Public Works Policy & Management**, Vol. 4, No. 3, 171-176.

Tonn, B. 2000. "Overview of Special Issue on Communities and National Laboratory Research Programs," **Public Works Policy & Management**, Vol. 4, No. 3, 196-197.

Tonn, B. 2000. "Ensuring the Future," **Futures**, 32, 17-26.

Tonn, B. 2000. "Comments on the State of American Environmental Decision Making," **Environmental Practice**, Vol. 2, No. 2, 135-138.

Tonn, B. 2000. "Environmental Decision Making in the Face of Uncertainty," **Environmental Practice**, Vol. 2, No. 2, 188-202.

Tonn, B. 1999. Review of: *Sustainable Cities and Energy Policies* by R. Capello, P. Nijkamp, and G. Pepping: Springer, Berlin. **Environment and Planning C**, Vol. 17, No. 6, 773-774.

Tonn, B. 1999. "Sustainability and Supra-Communitarianism," **Foresight**, Vol. 1, No. 4, 343-352.

Tonn, B. 1999. "Sociodiversity: Learning to Make Sustainability Decisions," **Futures Research Quarterly**, Vol. 15, No. 2, 53-74.

Yuracko, K., Tonn, B., Morris, M., and Bogard, J. 1999. "Better D&D Decision-Making Through Life Cycle Analysis" **RadWaste**, Vol. 6, No. 4, 31-37.

Tonn, B. and Peretz, J. 1999, "Institutional Problems Facing Environmental Decision Makers in Local, State, and Other Subnational Governments," **Environmental Practice**, Vol. 1, No. 1, 25-36.

Tonn, B. 1999, "Transcending Oblivion," **Futures**, Vol. 31, 351-359.

Tonn, B., Wagner, C., Schweitzer, M., Godfrey, G., and MacGregor, D., 1998, "Methodology for Assessing Potential Future Environmental Legislative, Regulatory, and Judicial Events," **Futures Research Quarterly**, Vol. 14, No. 1, pp. 47-75.

Tonn, B. 1998, "Public Works Directors Take Lead in Protecting Environment," **APWA Reporter**, Vol. 65, No. 3, pp. 22-23.

Tonn, B., and Petrich, C., 1998. "Everyday Life's Constraints on Citizenship in the United States," **Futures**, Vol. 30, No. 8, 783-813.

Pollard, V. and Tonn, B., 1998. "Revisiting the 'Court of Generations' Amendment: A Conversation," **Futures**, Vol. 30, No. 4, 345-352.

Tonn, B., and Petrich, C. 1998, "Can Government Public Participation Programs Foster Environmental Citizenship?" **Interact**, Vol. 4, No. 1, 83-105.

Tonn, B., 1999, "Decision Day," in *Co-Creating a Public Philosophy for Future Generations*, Eds. T. Kim and J. Dator, Adamantive Press, Twickenham, United Kingdom, 223-241.

Tonn, B., and Peretz, J. 1997. "Field Notes on Using Risk in Environmental Decision-making; Lack of Credibility All Around," **Inside EPA: Risk Policy Report**, Summer, p. 34-36.

Tonn, B., and Schweitzer, M., 1997, "Institutional and Programmatic Suggestions for Satisfying Public Policy Responsibilities in a Retail Competitive Electric Industry," **Energy Policy**, Vol. 25, No. 1, pp. 29_42.

Tonn, B. 1997, "Conflict is A Choice," Review of *Resolving Environmental Conflict: Towards Sustainable Community Development* by Chris Maser, **Forum**, Vol. 12, No. 4, p. 148.

Tonn, B., 1996, "A Design for Future-Oriented Government," **Futures**, Vol. 28, No. 5, pp. 413-431.

Hirst, E., and Tonn, B., 1996, "Social Goals and Electric-Utility Deregulation," **Issues in Science and Technology**, Vol. 12, No. 3, pp. 43-47.

Tonn, B., and Berry, L., 1996, "The Value of Imprecise Uncertainty Concepts and Methods for Evaluating DSM," **Journal of the Association of Energy Services Professionals**, Vol.2, No. 2, pp. 87_104.

Tonn, B., 1996, "An Algorithmic Approach to Combining Belief Functions," **The International Journal of Intelligent Systems**, Vol. 11, pp. 463-476.

Tonn, B., 1996, "Citizen Juries and Future Generations," **The Knowledge Base of Future Studies**, Ed. Richard Slaughter, Vol 2: Organizations, Practices, Products, Future Studies Centre, Melbourne, Australia, pp. 245-259.

Tonn, B., and White, D., 1996, "Sustainable Societies in the Information Age," **The American Sociologist**, Vol. 27, No. 1, pp. 102-121.

Tonn, B., 1996, "Global Society and Information Technology: Social Science Challenges in the 21st Century," **Social Science Computer Review**, Vol. 14, Nol. 1, pp. 78-80.

Tonn, B., 1996, "Summary of CSS'95," **Social Science Computer Review**, Vol. 14, No. 2, pp. 187_189.

Tonn, B., and Schaffhauser, Jr., A., 1995, "Global and Electric Utility Industry Scenarios," **Futures Research Quarterly**, Vol. 11, No. 4, pp. 5-38.

Tonn, B., and Feldman, D., 1995, "Non-Spatial Government," **Futures**, Vol. 27, No. 1, pp. 11-36.

Hirst, E., Tonn, B., and Bauer, D., 1995, "The Future of IRP," **The Electricity Journal**, Vol. 8, No. 3, pp. 74_84.

Brown, T., Peterson, G., and Tonn, B., 1995, "The Values Jury to Aid Natural Resource Decisions," **Land Economics**, Vol. 71, No. 2, pp. 250-260.

Tonn, B., 1994, "Future Generations, Environmental Ethics, and Global Environmental Change," **Creating a New History for Future Generations**, T. Kim and J. Dator (Eds.), Institute for the Integrated Study of Future Generations, Kyoto, Japan, November, pp. 141-158.

Peretz, J., Tonn, B., Bohm, R., Elliott, S., and Hwang, H., 1994, "Hazardous Waste Capacity Assurance Planning: Volumes for One-Time Remediation," **Remediation**, Vol. 4, No. 3, pp. 405-424.

Tonn, B., 1994, "Using the National Information Infrastructure for Social Science, Education, and Informed Decision Making," **Social Science Computer Review**, Vol. 12, No. 2, pp. 166-182.

Stevens, S., Tonn, B., and Southworth, F., 1994, "A Study of the Potential for Cooperation Between Models and Modelers," **Social Science Computer Review**, Vol. 12, No. 2, pp. 231-241.

Tonn, B., 1994, Book review of "Assigning Liability for Superfund Cleanups: An Analysis of Policy Options" by K. Probst and P. Portney. **Forum**, Vol. 9, No. 3, pp. 140-141.

Tonn, B., Russell, M. and Warren, J., 1993, "RCRA Corrective Action Costs: An Estimating Model for Nonfederal Facilities," **Remediation**, Vol. 3, No. 2, pp. 157-182.

Russell, M., and Tonn, B., 1993, "Response to Comments on the 'Hazardous Waste Legacy,'" **Environment**, Vol. 35, No. 1, p. 42.

Tonn, B., Goeltz, R., and Chiang, T.L., 1993, "An Object-Based Interviewing System," **Social Science Computer Review**, Vol. 11, No. 1, pp. 48-62.

Tonn, B. and Schaffhauser, Jr., A., 1992, "Towards a More General Theoretical and Mathematical Model of Uncertainty for Policy Analysis," **Environment and Planning A**, Vol. 24, pp. 1337-1353.

Tonn, B., Goeltz, R., and Travis, C., 1992, "Eliciting Reliable Uncertainty Estimates," **Expert Systems**, Vol. 9, No. 1, pp. 25-33.

Potter, D., Miller, J., Tonn, B., Gandham, R., Lapena, C., 1992, "Improving the Reliability of Heuristic Multiple Fault Diagnosis via the EC-based Genetic Algorithm," **International Journal of Applied Artificial Intelligence**, Vol. 2, pp. 5-23.

Russell, M., Colglazier, W., and Tonn, B., 1992, "The Hazardous Waste Legacy," **Environment**, Vol. 34, No. 6, pp. 12-15, 34-39.

Tonn, B., 1991, "The Court of Generations: A Proposed Amendment to the U.S. Constitution," **Futures**, Vol. 23, No. 5, pp. 482-498.

Truett, T., Yow, T., and Tonn, B., 1991, "Influencing Public Policy through Information Sharing," **IEEE Transactions: Special Issue on Public Policy and Professional Communication**, Vol. 34, No. 4, pp. 228_232. •

Tonn, B., 1991, "Recommendations for Decentralized Information Technology Innovation and Management," **The Information Society**, Vol. 7, No. 2, pp. 139-154.

Tonn, B., and White, D., 1991, "Energy Savings in New, Low-Rise Multifamily Buildings Due to Energy Efficient Building Practices," **Energy Systems and Policy**, Vol. 14, pp. 85-111.

Tonn, B., 1991, Guest Editor, "Symposium on Advanced Social Science Computing," **Social Science Computer Review**, Vol. 9, No. 1, Spring Issue.

Tonn, B., and Wagner, C., 1991, "Risk Assessment with Lower Probabilities," **Journal of Environmental Sciences**, Vol. 20, No. 2, pp. 169-178.

Tonn, B., Goeltz, R., and Travis, C., 1991, "Elicitation of Natural Language Representations of Uncertainty Using Computer Technology," in **Risk Analysis: Prospects and Opportunities**, C. Zervos (Ed.), Plenum Press, New York, pp. 143-152.

Tonn, B., and Goeltz, R., 1990, "An Experiment in Combining Estimates of Uncertainty," in **New Risks: Issues and Management**, L. Cox and P. Ricci (Eds.), Plenum Press, New York, pp. 403-412.

Tonn, B., 1990, "The Development of the Ideas of Uncertainty Representation," **Environment and Planning A**, Vol.23, No. 6, pp. 783-812.

Tonn, B., Travis, C., Goeltz, R., and Phillippi, R., 1990, "Knowledge-Based Representation of Risk Beliefs," **Risk Analysis**, Vol. 10, No. 1, pp. 169-184.

Wagner, C., and Tonn, B., 1990, "Diagnostic Conditionalization," **Mathematical Social Sciences**, Vol. 19, pp. 159-165.

Tonn, B., and White, D., 1990, "Residential Wood Combustion for Space Heating in the Pacific Northwest: Difficulties for Electric Utilities," **Energy Policy**, Vol. 18, No. 3, pp. 283-292.

Tonn, B., and Goeltz, R., 1990, "Psychological Validity of Uncertainty Combining Rules in Expert Systems," **Expert Systems**, Vol. 7, No. 2, pp. 94-101.

Travis, C., Phillippi, R., and Tonn, B., 1989, "Judgment Heuristics and Medical Decisions," **Patient Education and Counseling**, Vol. 13, pp. 211-220.

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Tonn, B. and Healy, KC. 2008. "Power From Perspective: Potential Future United States Energy Portfolios," Howard Baker Center for Public Policy, University of Tennessee, Knoxville, Sept. 12.

Invited Presentation, 2008. "The Oil Shock Challenge," Tennessee Advisory Committee on Intergovernmental Relations, June 12.

Invited Presentation, 2007. "Trends, Scenarios, and Transportation: 2050," World Transport Conference, Berkeley, California, July 28.

Invited Lecture, 2005. "Living For and With Futures," Budapest Futures Course, Budapest, Hungary, August 25.

Invited Participant, 2004. "Aging Americans: Impacts on Ecology and Environmental Quality Workshop," Environmental Protection Agency, Research Triangle Park, August 10 - August 12.

Lecturer, 2004. "Thinking About the Future: Observations from the Field," 21st Century Lecture Series, World Futures Society Conference, Washington, DC, July 31 - August 2.

Invited Panelist, 2003. "What's in the Tool Box for Effective Evaluation of Federal and State Energy Programs?" International Energy Program Evaluation Conference, Seattle, Washington, August 20-33.

Invited Lecturer, 2002. "Dot Coms and the Future of the Internet," University of Tennessee Alumni Summer College, Knoxville, TN, August 16.

Invited Lecturer, 2002. "Anytown USA in the Year 2050: Glimpses of the Future" Oak Ridge Institute for Continued Learning, Oak Ridge, TN, July 23 and 30.

Invited Participant, 2002. Conference on Estimating the Benefits of DOE's R&D Programs, Arlington, VA, March 4-5.

Invited Participant, 2001. Workshop on Public Participation in Environmental Decision Making, National Research Council, National Academy of Sciences, Washington, DC, December 14.

Invited Speaker, 2001. "Anytown USA in the Year 2050: Glimpses of the Future," City of Franklin/Williamson County, TN Chamber of Commerce, October 30.

Invited Speaker, 2001. "Anytown USA in the Year 2050: Glimpses of the Future," College of Arts and Sciences Pre-Game Showcase. University of Tennessee, Knoxville, October 6.

Invited Lecturer, 2001. Budapest Futures Course, Budapest, Hungary, August 29.

Invited Paper Commentator, 2000. NSF/EPA Workshop on Community Environmental Decision Making, Arlington, VA, May 9.

Invited Presentation, 1999. "The Future of Development and Cultural Diversity," World Futures Studies Federation Conference, Bacolod City, Philippines, Dec. 5-8.

Invited Keynote Speaker, 1999. "Technology for Sustainable Environment: A Futures Perspective," EPA/NSF Workshop on Technology for Sustainable Environment, Arlington, VA, January 21.

Invited Seminar Speaker, 1999. "Overview of Community-based and Decision Making Research at Oak Ridge National Laboratory," Los Alamos National Laboratory, January, 12.

Invited Speaker, 1998. "Community Sustainability Decision Making," National League of Cities Conference, Kansas City, MO. December, 5.

Invited Panelist, 1998. "What Might We Miss" Workshop on Information Technology and Environmental Decision Making, Kennedy School of Government, Harvard University, October, 1-3.

Invited Keynote Speaker, 1998, "Environmental Decision Making in the Face of Uncertainty," Central and Southern Appalachian Workshop, Morgantown, WV, May 28.

Invited Discussant, 1998, "Where Do We Want To Go Tomorrow?" Conference on Computing for the Social Sciences, New Haven, CT, May 22.

Invited Discussant, 1998, "Imprecise Probabilities and Options Pricing," Allied Social Sciences Conference, Chicago, Illinois, January 3.

Invited Speaker, 1997. "How the Role of the Public Works Director Impacts Your Community's Environment," International Public Works Congress and Exposition, Minneapolis, MN, September.

Invited Panelist, 1997. "The Road Ahead," Conference on Computing for the Social Sciences, Walla Walla, Washington, June.

Invited Featured Speaker, 1997. "Global and Electric Power Industry Scenarios," 1997 Energy Utility Symposium *Visions of the Future*," Oklahoma Corporation Commission, Oklahoma City, Oklahoma, June 19-20.

Invited Panelist, 1996. "Future Generations: Caring, Helping, Hoping," *Future Vision: Ideas, Insights, and Strategies*. The Eighth General Assembly of the World Future Society, Washington, D.C. July 14-18.

Invited Participant, 1996. "Symposium on Future-Oriented Government," Honolulu, Hawaii, January 10-12.

Invited Debate Participant, 1995. "Resolved: Information Technology Will Improve the Quality of Life Significantly for Americans in the 21st Century," 1995 Conference on Computing for the Social Sciences, San Diego Super Computing Center, San Diego, California, June 19.

Invited Participant, 1995. National Science Foundation Workshop on Culture, Society and Advanced Information Technology, Washington, D.C., June 1-2.

Invited Participant, 1994. "First International Future Generations, Kyoto Forum," Kyoto, Japan, November 24-26.

Invited Panelist, 1994. "Perspectives on the Information Society and Social Sciences," Conference on Computing for the Social Sciences, University of Maryland, June 1-3.

Invited Discussant, 1994. "The Social Challenge of Rapid Change in the Information Infrastructure: Everything Has Changed But Our Thinking," Conference on Computing for the Social Sciences, University of Maryland, June 1-3.

Invited Presentation., 1994, "Intergenerational Considerations As Seen From A Policy Perspective," presented at the Workshop on Uncertainty and Global Climate Change Research, Knoxville, Tennessee, March, 22_23.

Invited Panelist, 1993. "What Do We Owe Future Generations?" Creating the 21st Century: Rights, Responsibilities, and Actions, World Futures Society Conference, Washington, D.C., June 27 - July 1.

Invited Participant, 1992. "Information Technology and White Collar Productivity Workshop," Institute for Information Studies, Aspen Institute, October.

OTHER PRESENTATIONS

Tonn, B. and Blalock, B. 2008. "Intervention in Countries with Unsustainable Energy Policies: Is It Ever Justifiable?" Energy & Responsibility: A Conference on Ethics and the Environment, April 10-12, Knoxville, Tennessee.

Poudyal, N., Hodges, D., and Tonn, B. 2008. "Valuing Diversity and Spatial Configuration of Open Space Plots in Urban Neighborhoods," Southern Forest Economics Workshop, March 9-11.

Tonn, B., Ball, J., Gast, F., Kenehan, S., and Waite, B. 2006. "The Case for Regional Climate Change Adaptation Planning" Southeastern Conference for Public Administration September 29, 2006 Athens, GA and at the 17th Annual Southern Appalachian Man and Biosphere November 30, 2006 Gatlinburg, TN

Tonn, B., and Schweitzer, M. 2005. "National Evaluation of the Weatherization Assistance Program," National Weatherization Training Conference, Atlanta, December 14, 2005.

Tonn, B., Conrad, F., and Hemrick, A., 2005. "Cognitive Representations of the Future: Survey Results," 19th World Futures Studies Federation Conference, Budapest, Hungary, August 22.

Tonn, B. 2005. "Human Extinction Scenarios," 19th World Futures Studies Federation Conference, Budapest, Hungary, August 22.

Peretz, J. and Tonn, B. 2004. "Impacts of Policies on Vehicle Miles Traveled in the Great Smoky Mountains National Park," Southeastern Conference for Public Administration, Charlotte, North Carolina, October 2004.

Tonn, B. and Ezzell, T. 2004. "An Assessment of Visioning and Values in Rural Appalachia," American Planning Association's 2004 National Planning Conference, Washington, DC, April 24-28.

Peretz, J., Tonn, B., and Garnmeister, S. 2003. "Air Quality Issues in the Great Smoky Mountains National Park: The Role of Our Transportation Choices," Southeastern Conference for Public Administration, Savannah, Georgia, Oct. 12-14.

Tonn, B. 2002. "Integrated 1000-Year Planning," World Futures Studies Federation Conference, Kure, Japan, Nov. 13-16.

Tonn, B. 2001. "Globalization, Communities, and Futures Perspectives," World Futures Studies Federation Conference, Brasov, Romania, September 5-8.

Tonn, B. 1999. "Constraints to Community Sustainability," National Conference on Environmental Decision Making, Knoxville, TN, April 12-14.

Peretz, J. and Tonn, B. 1999. "Institutional Issues Facing Subnational Decision Makers: Why are These Issues Problematic in Environmental Decision Making?" Southeastern Conference on Public Administration, Pensacola, FL, January 21-23.

Peretz, J., Tonn, B., and Foltz, D. 1998. "Participatory Democracy in Environmental Evolution: Does It Make A Difference in Solid Waste Recycling Programs?" National Conference on Environmental Decision Making, Knoxville, TN, May 4-6.

Tonn, B., English, M., and Travis, C. 1998. "An Environmental Decision-making Framework," National Conference on Environmental Decision Making, Knoxville, TN, May 4-6.

Travis, C., Moore, D., and Tonn, B. 1998. "A Factor Analysis of Elements of Environmental Problems," Southeastern Psychological Association, Mobile, AL, March.

Turner, R. S., Tonn, B., and English, M. 1997. "Environmental Decision Making: A Framework and Institutional and Information Needs," Presentation at Regional Workshop on the Use of Environmental Information Systems for Decision Making, Kuwait Institute for Scientific Research, December 1-3.

Travis, C., Moore, D., and Tonn, B., 1997, "Building A Tool for Environmental Decision Making," Society for Judgment and Decision Making Annual Meeting, Philadelphia, PA, November.

Peretz, J., and Tonn, B., 1997. "Challenges Facing Municipal Solid Waste Recycling Coordinators: Preliminary Results of a National Survey," Southeastern Conference on Public Administration, Knoxville, TN, September.

Tonn, B., 1997. "Community Information Systems: A Discussion Face-to-Face," Conference on Computing for the Social Sciences, Walla Walla, Washington, June.

Tonn, B. and Peretz, J. 1997. "Risks to Environmental Decision-making: Notes from the Field," Risk Assessment and Policy Association Biennial International Meeting, Alexandria, VA, March.

Tonn, B. 1996. "Public Participation in Environmental Decision-making: Expectations, Constraints, and Process Recommendations," Society for Risk Analysis Annual Meeting, New Orleans, LA, December.

Petrich, C. and Tonn, B., 1996. "Societal Health and Urban Sustainability Indicators," Presented at the APEC Sustainable Cities Workshop, Monterey, California, August 26-28.

Tonn, B. And Conrad, F., 1996, "Elicitation of PC Software Characteristics Using the Internet," Presented at the Conference on Computing for the Social Sciences, Minneapolis, Minnesota, May 13_15.

Tonn, B., 1994, "Uncertainty Protocols," presented at the Workshop on Uncertainty and Global Climate Change Research, Knoxville, Tennessee, March, 22-23.

Participant, Aspen Institute, "Democracy in the Information Age," July 1993.

Tonn, B., Goeltz, R., and Chiang, T.L., 1992, "An Object-based Interviewing System," Conference on Computing for the Social Sciences, Ann Arbor, Michigan, May 4-7. (Also, presented at 1993 American Statistical Association meetings, Ft. Lauderdale, Florida, January 3-5.)

Tonn, B., Russell, M., and Warren, J., 1991, "Estimated Costs of RCRA Corrective Action" Society for Risk Analysis, 1991 Annual Meeting.

Tonn, B., Goeltz, R., and Schmidt, K., 1991, "An Example of Systems Integration for RCRA Policy Analysis," Presented at Advanced Computing and Information Technologies for the Social Sciences, Athens, Georgia, April 8-10.

Tonn, B., 1990, "ARK: An Automated Knowledge Acquisition Tool," Presented at Decision Support Methods for the Electric Power Industry, Electric Power Research Institute, May.

Tonn, B., 1990, "Bonneville Power Administration Communications Alarms Processor Expert System," Presented at Expert Systems Workshop, Program for Strategic Computing and Telecommunications in the Public Sector, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, May.

Tonn, B., 1990, "Uncertainty in Artificial Intelligence," Invited Seminar, AI Department, University of Georgia, Athens, Georgia, February.

Tonn, B., 1986, "The How and Why of Prototyping Expert Systems, Uncertainty in Artificial Intelligence and Expert Systems," AI: The Emerging Technology, May 20-21, Montgomery, Alabama.

Tonn, B., Kunz, D., Barnes, D., and Hosack, G., 1985, "A Micro-Computer Based Expert System Prototype," presented at the Joint National ORSA/TIMS Meeting, Atlanta, Georgia, November.

Barnes, D., Hosack, G., Tonn, B., and Kunz, D., 1985, "Expert Systems and the Navy Budgeting Process," presented at the Joint National ORSA/TIMS Meeting, Atlanta, Georgia, November.

Hirst, E., and Tonn, B., 1985, "Use of Detailed Evaluation Data to Develop a Low Cost Monitoring System: The BPA Residential Weatherization Program," Second Annual Conference on Energy Conservation Program Evaluation, Chicago, IL, August.

Travis, C., and Tonn, B., 1985, "Anomalies in Medical Decision Making: The Perception of Risk," presented at the 31st Annual Meeting of the Southeastern Psychological Association, Atlanta, Georgia.

Other Publications

Tonn, B. 2009. "We Need to Address Climate Change Now," Knoxville News Sentinel, April 25, p. B3.