

## Curriculum Vitae

David J. Hess

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### ACADEMIC POSITIONS

2011-present Professor, Sociology Department, Vanderbilt University  
After 2011: James Thornton Fant Chair in Sustainability Studies;  
Director, Climate and Environmental Studies  
2011-2020 Associate Director, Vanderbilt Institute for Energy and Environment  
1989-2011 Science and Technology Studies Department  
Rensselaer Polytechnic Institute  
2006-2011 Director, Program in Ecological Economics, Values, and  
Policy  
2000-2004 Department chair  
1998 Professor  
1994 Associate Professor  
1989 Assistant Professor  
1987-89 Visiting Assistant Professor, Colgate University

### EDUCATION

Ph.D. Cornell University, Anthropology with Latin American Studies (1987)  
M.A. Cornell University, Anthropology (1983)  
B.A. Harvard University, B.A., Economics (with honors, 1978)

### HONORARY POSITIONS AND AWARDS

2019 Ernest A. Jones Faculty Adviser Award, Vanderbilt University  
2019-present Editorial Board Member, *Energy Research and Social Science*  
2019 Finalist for the Campus Sustainability Research Award, American  
Association for Sustainability in Higher Education, for the paper

- “Climate Change Belief, Sustainability Education, and Political Values” (*Journal of Cleaner Production*). One of three finalists in the category “Published Research-Academics,” out of 350 papers across categories.
- 2017-present Editorial Board Member, *Tapuya: Latin American Science, Technology and Society*
- 2015-2021 Editorial Board Member, *Engaging Science, Technology, and Society*
- 2012 Star-Nelkin Award, Section on Knowledge and Society, American Sociological Association, for “Science and Neoliberal Globalization” (coauthored) in *Theory and Society*
- 2012-present Editorial Board Member, *Science as Culture*
- 2012-present Editorial Board Member, *Nature + Culture*
- 2011 Wiley Distinguished Professor Award, Rensselaer Polytechnic Institute
- 2010 Prize for Exemplary Cross-Field Scholarship, General Anthropology Division, American Anthropological Association for the article “Crosscurrents,” published in the *American Anthropologist*
- 2009 Robert K. Merton Award, Section on Knowledge and Technology, American Sociological Association, for an outstanding book on science, knowledge or technology published during the preceding 3 years
- 2007-present Editorial Board Member, *Social Studies of Science*
- 2007-present Editorial Board Member, *Sustainability: Science, Practice, and Policy*
- 2004 Professorial Visiting Fellow, University of Wollongong
- 2000 Diana Forsythe Prize, Committee of the Anthropology of Science and Technology and Society for the Anthropology of Work, American Anthropological Association, for the best book or series of published articles in the anthropology of work, science, and/or technology, including biomedicine
- 1999-2020 Editorial board member, *Qualitative Research*
- 1995-99 Editorial board member, *Luso-Brazilian Review*
- 1995 Senior Fulbright Fellowship, Brazil, and visiting professor, Universidade Federal Fluminense
- 1995 Rensselaer Early Career Award
- 1991-1993 Rensselaer Distinguished Teaching Fellowship Award
- 1985-1986 Social Science Research Council Fellowship (dissertation)
- 1984-1985 Fulbright-Hayes Fellowship (dissertation)
- 1983-1984 National Resource Fellowship (pre-dissertation)
- 1981-1983 Andrew Dickson White Fellowship (selective graduate fellowship)

## PUBLICATIONS

### I. Books and Edited Volumes

17. 2016 *Undone Science: Social Movements, Mobilized Publics, and Industrial Transitions*. MIT Press.
16. 2014 *Fields of Knowledge: Science, Politics, and Publics in the Neoliberal Age (Political Power and Social Theory, vol. 27)*, edited by Scott Frickel and David J. Hess.
15. 2012 *Good Green Jobs in a Global Economy*. MIT Press. Analysis of the intersection of green transition politics and the relative decline of the U.S. in the global economy, factors behind the unevenness of green transition policies in the U.S.
14. 2009 *Localist Movements in a Global Economy*. MIT Press. Analysis of environmental and equity dimensions of the economic development, buy local movements, urban agriculture, local energy, and community media with historical contextualization and policy analysis. Supplemental case studies at [www.davidjhess.org](http://www.davidjhess.org). Excerpted in: *Localization: A Transition Reader*, ed. by Raymond DeYoung and Thomas Princen (MIT Press).  
“Special Issue on Urban Agriculture,” ed. by Kim Jin-Oh. *Environment and Landscape Architecture*.
13. 2007 *Alternative Pathways in Science and Industry*. MIT Press. Analysis of the generative dimensions of social movements in industrial innovation with emphasis on environmental and equity issues.  
Excerpted in:  
“Science in an Era of Neoliberal Globalization.” In Sandra Harding (ed.), *The Postcolonial Studies Reader*. Routledge.
12. 2004 *Science as Culture*, editor of special issue on “Health, the Environment, and Social Movements,” 13(4). Edited collection with an introduction.
11. 2001 *Studying Those Who Study Us*, by Diana Forsythe. Posthumous collection on artificial intelligence and gender. Edited by and with an introduction by David J. Hess. Stanford: Stanford University Press.
10. 1999 *Evaluating Alternative Cancer Therapies*. Edited collection of interviews of leaders of the CAM cancer therapy movement. Rutgers University Press.
9. 1998 *Women Confront Cancer*. Edited collection of interviews with patient advocacy leaders. Coedited with my student Margaret Wooddell (first author). New York University Press.
8. 1997 *Can Bacteria Cause Cancer?* History and politics of medical researchers who investigated treatments associated with the role of bacteria in cancer etiology. New York University Press.
7. 1997 *Science Studies*. An advanced introduction to STS theory. New York University Press. Supplemental web lectures at [www.davidjhess.org](http://www.davidjhess.org).
6. 1995 *Science and Technology in a Multicultural World*. An exploration of various approaches to the culture concept in science and technology studies. Columbia University Press.
5. 1995 *The Brazilian Puzzle*. A comparative perspective in Brazilian studies. Coedited with Roberto DaMatta. Columbia University Press.
4. 1994 *Samba in the Night*. Fieldwork account of the religious movement in Brazil known as “Spiritism.” Columbia University Press.

3. 1993 *Science in the New Age*. Monograph on cultural aspects of the New Age movement and science in the U.S. University of Wisconsin Press. Chinese translation: Jiangxi Education Press, 1998. Republished 2020 Shanghai Jiaotong University Press.
2. 1992 *Knowledge and Society Volume 9*. Coedited with Linda Layne, introduction by Hess, series editor Arie Rip. JAI Press. A founding volume in anthropological and cultural approaches to science and technology studies.
1. 1991 *Spirits and Scientists*. Monograph on scientific and medical controversies associated with the Spiritist religious movement in Brazil. Pennsylvania State University Press.

## II. Refereed Journal Articles and Refereed Scientific Proceedings

99. Accepted. Dasom Lee, David J. Hess, and Michiel A. Heldeweg. Safety and Privacy Regulations for UAVs: A Multiple Comparative Analysis. *Technology in Society*.
98. Accepted. Ryan T. Trahan and David J. Hess. Will Power be Local? The Role of Local Power Organizations in Energy Transition Acceleration. *Technological Forecasting and Social Change* 183, 121884 <https://doi.org/10.1016/j.techfore.2022.121884>.
97. 2022. Dasom Lee and David J. Hess. Measuring Corporate Social Responsibility: An Evaluation of a New Sustainable Development Goals index for Fortune 500 Companies. *International Journal of Organizational Analysis* 30(7).
96. 2022. Dasom Lee and David J. Hess. Public Concerns and Connected and Automated Vehicles: Safety, Privacy, and Security. *Humanities and Social Sciences Communications* (Springer Nature), 9: article #90. Special issue "The Politics of Autonomous Vehicles," edited by Jack Stilgoe and Milos Mladenovic. <https://doi.org/10.1057/s41599-022-01110-x>.
95. 2022. Joshua Basseches, Rebecca Bromley-Trujillo, Max Boykoff, Trevor Culhane, Galen Hall, Noel Healy, David J. Hess, David Hsu, Rachel Krause, Harland Prechel, J. Timmons Roberts, Andrew Scerri, and Jennie Stephens. Climate Policy Conflict in the U.S. States: A Critical Review and Way Forward. *Climatic Change*. <https://link.springer.com/article/10.1007/s10584-022-03319-w>.
94. 2022. Benjamin K. Sovacool, David J. Hess, Roberto Cantoni, Dasom Lee, Marie Claire Brisbois, Hans Jakob Walnum, Ragnhild Freng Dale, Bente Johnsen Rygg, Marius Korsnes, and Anandajit Goswami. Conflicted Transitions: Actors, Tactics, and Outcomes of Energy Infrastructure Opposition and Community Mobilization in Carbon-intensive Regions. *Global Environmental Change* 73 (March, 2022), 102473, pp. 1-28. <https://doi.org/10.1016/j.gloenvcha.2022.102473>.
93. 2022. Rachel G. McKane and David J. Hess. Ridesourcing and Urban Inequality in Chicago: Connecting Mobility Disparities to Unequal Development, Gentrification, and Displacement. *Environment and Planning A* 54(3): 572-592. doi/10.1177/0308518X211047872

91. 2021. Ryan T. Trahan and David J. Hess. Who Controls Electricity Transitions? Digitization, Decarbonization, and Local Power Organizations. *Energy Research and Social Science* 80: 102219.
90. 2021. David J. Hess, Dasom Lee, Bianca Biebl, Martin Fränzle, Sebastian Lehnhoff, Himanshu Neema, Jürgen Niehaus, Alexander Pretschner, and Janos Sztipanovits. A Sociotechnical Design Perspective on Responsible Innovation: Perspectives on Problem Finding for Multidisciplinary Research on Digitized Energy and Automated Vehicles. *Journal of Responsible Innovation* 8(3): 421-444.  
doi.org/10.1080/23299460.2021.1975377.
89. 2022. David J. Hess, Rachel McKane, and Caroline Pietrzyk. End of the Line: Environmental Justice, Energy Justice, and Opposition to Power Lines. *Environmental Politics* 31(4): 663-683. 10.1080/09644016.2021.1952799.
88. 2021. David J. Hess, Rachel G. McKane, and Kaelee Belletto. Advocating a Just Transition in Appalachia: Civil Society and Industrial Change in a Carbon-Intensive Region. *Energy Research & Social Science* 75 (May): 102004. <https://doi.org/10.1016/j.erss.2021.102004>.
87. 2021. Himanshu Neema, Scott Phillips, Dasom Lee, David J. Hess, Zachariah Threet, Thomas Roth, and Cuong Nguyen. 2021. Transactive Energy and Solarization: Assessing the Potential for Demand Curve Management and Cost Savings. In DESTION '21: Design Automation for CPS and IoT, May 18, 2021, (Virtual). ACM, New York, NY, USA, 7 pages.  
<https://doi.org/m.n.o>.
86. 2021. Lee, Dasom, and David J. Hess. Privacy and Smart Meters in Residential Buildings: A Comparative Analysis and Assessment of Harmonization Potential. *Utilities Policy* 70: 101188.  
<https://doi.org/10.1016/j.jup.2021.101188>.
85. 2021. Hess, David J., and Rachel McKane. Making Sustainability Plans More Equitable: An Analysis of 50 U.S. Cities. *Local Environment* 26(4): 461-476. <https://doi.org/10.1080/13549839.2021.1892047>.
84. 2021. Sovacool, Benjamin, David J. Hess, Robert Cantoni. 2021. Energy Transitions from the Cradle to the Grave: A Meta-theoretical Framework Integrating Responsible Innovation, Social Practices, and Energy Justice. *Energy Research and Social Science* 75 (May, 2021), 102027, pp. 1-16.
83. 2021. Kungl, Gregor, and David J. Hess. Sustainability Transitions and Strategic Action Fields: A Literature Review and Discussion. *Environmental Innovation and Societal Transitions* 38: 22-33. (March)  
<https://doi.org/10.1016/j.eist.2020.10.004>.
82. 2020 Lee, Dasom, David J. Hess, and Himanshu Neema. 2020. The Challenges of Implementing Transactive Energy: A Comparative Analysis of Experimental Projects. *The Electricity Journal* 33(10): 106865.  
<https://www.sciencedirect.com/science/article/pii/S1040619020301573>.
81. 2020. Neema, H., Sztipanovits, J., Hess, D.J. and Lee, D., 2020, April. TE-SAT: Transactive Energy Simulation and Analysis Toolsuite. *2020 IEEE Workshop on Design Automation for CPS and IoT (DESTION)*. Sydney, Australia: pp. 19-20. IEEE. 10.1109/DESTION50928.2020.00009.

80. 2020. Benjamin Sovacool, David J. Hess, Sulfikar Amir, Frank Geels, Richard Hirsh, Leandro Rodriguez Medina, Clark Miller, Carla Alvial Palavicino, Roopali Phadke, Marianne Ryghaug, Johan Schot, Antti Silvast, Jennie Stephens, Andy Stirling, Bruno Turnheim, Erik van der Vleuten, Harro van Lente, Steven Yearley. Sociotechnical Agendas: Reviewing Future Directions for Energy and Climate Research. *Energy Research and Social Science* 70: 101617. (December) doi.org/10.1016/j.erss.2020.101617
79. 2020. Dasom Lee and David J. Hess. Regulations for On-Road Testing of Connected and Automated Vehicles: Assessing the Potential for Global Safety Harmonization. *Transportation Research, Part A: Policy and Practice* 136:85-98. (June) doi.org/10.1016/j.tra.2020.03.026
78. 2020. David J. Hess and Dasom Lee. Energy Decentralization in California and New York: Value Conflicts in the Politics of Shared Solar and Community Choice. *Renewable and Sustainable Energy Reviews* 121: 109716. (April). doi.org/10.1016/j.rser.2020.109716
77. 2020. David J. Hess. The Sociology of Ignorance and Post-Truth Politics. *Sociological Forum* 35(1): 241-249. (March). <http://dx.doi.org/10.1111/socf.12577>.
76. 2020. David J. Hess and Benjamin Sovacool. Sociotechnical Matters: Science and Technology Studies Perspectives in Energy Studies. *Energy Research and Social Science*. 65: 101462. (July). doi.org/10.1016/j.erss.2020.101462.
75. 2020. David J. Hess. Incumbent-led transitions and civil society: future autonomous vehicle policy and consumer organizations in the United States. *Technological Forecasting and Social Change* 151: 119825. (February) doi.org/10.1016/j.techfore.2019.119825
74. 2019. David J. Hess and Brandi Collins. Recycling water in U.S. cities: understanding preferences for aquifer recharging and dual reticulation systems. *Water Policy* 21 (6): 1207-1223. <https://doi.org/10.2166/wp.2019.162>. Forthcoming, October.
73. 2019. Dasom Lee and David J. Hess. Incumbent resistance and the solar transition: changing opportunity structures and framing strategies. *Environmental Innovation and Societal Transitions* 33: 183-195. //doi.org/10.1016/j.eist.2019.05.005. Forthcoming.
72. 2019. David J. Hess and Haley Gentry. 100% Renewable Energy Policies in U.S. Cities: Strategies, Recommendations, and Implementation Challenges. *Sustainability: Science, Practice, Policy* 15(1): 45-61. <https://doi.org/10.1080/15487733.2019.1665841>.
71. 2019. David J. Hess. Cooler Coalitions for a Warmer Planet: A Review of Political Strategies for Accelerating Energy Transitions. *Energy Research & Social Science* 57. <https://doi.org/10.1016/j.erss.2019.101246>.
70. 2019. David J. Hess and Alexander Maki. Climate Change Belief, Sustainability Education and Political Values: Assessing the Need for Higher-Education Curriculum Reform. *Journal of Cleaner Production* 228: 1157-1166. <https://doi.org/10.1016/j.jclepro.2019.04.291>
69. 2019.\* Jonathan Köhler et al. (including Hess). An Agenda for Sustainability Transitions Research: State of the Art and Future Directions.

- Environmental Innovation and Societal Transitions* 31: 1-32.  
doi.org/10.1016/j.eist.2019.01.004.\*
68. 2019. David J. Hess. Coalitions, framing, and the politics of energy transitions: Local democracy and community choice in California. *Energy Research and Social Science* 50: 38-50. <https://doi.org/10.1016/j.erss.2018.11.013>
67. 2019. \*Thushara Gunda, David J. Hess, George Hornberger, and Scott Worland. Water Security in Practice: the Quantity-Quality-Society Nexus. *Water Security* 6: 100222. <https://doi.org/10.1016/j.wasec.2018.100022>.
66. 2019. David J. Hess and Madison Renner. Conservative Political Parties and Energy Transitions in Europe: Opposition to Climate Mitigation Policies. *Renewable and Sustainable Energy Reviews* 104: 419-428. <https://doi.org/10.1016/j.rser.2019.01.019>
65. 2019. David J. Hess and Lacey A. Satcher. Conditions for Successful Environmental Justice Mobilizations: An Analysis of Fifty Cases. *Environmental Politics* 10.1080/09644016.2019.1565679
64. 2018. David J. Hess. The Anti-Dam Movement in Brazil: Expertise and Design Conflicts in an Industrial Transition Movement. *Tapuya: Latin American Science, Technology, and Society* 1(1): 256-279. 10.1080/25729861.2018.1548160.
63. 2018. David J. Hess. Social Movements and Energy Democracy: Types of Processes of Mobilization. *Frontiers in Energy*, special issue on “Energizing Global Democracy,” 6: #135. <https://doi.org/10.3389/fenrg.2018.00135>.
62. 2018. David J. Hess and Magdalena Sudibjo. Supporting Regional Cleantech Sectors in North America. *Sustainability: Science, Practice, and Policy* 14(1): 22-30. <https://doi.org/10.1080/15487733.2018.1536308>
61. 2018. Jonathan M. Gilligan, Christopher A. Wold, Scott C. Worland, John J. Nay, David J. Hess, and George M. Hornberger. Urban Water Conservation Policies in the United States. *Earth’s Future* 6(7): 955-957. <http://dx.doi.org/10.1029/2017EF000797>.
60. 2018. David J. Hess and Kate Pride Brown. Water and the Politics of Sustainability Transitions: From Regime Actor Conflicts to System Governance Organizations. *Journal of Environmental Policy and Planning* 20(2): 128-142. 10.1080/1523908X.2017.1341304.
59. 2018. Rachel G. McKane, Lacey Satcher, Stacey L. Houston II, and David J. Hess. Race, Class, and Space: An Intersectional Approach to Environmental Justice in New York City. *Environmental Sociology* 4(1): 71-92.
58. 2018. David J. Hess. Energy Democracy and Social Movements: A Multicoalition Perspective on the Politics of Energy Transitions. *Energy Research and Social Science* 40: 177-189.
57. 2018. David J. Hess, Quan D. Mai, Rachel Skaggs, and Magdalena Sudibjo. Local Matters: Political Opportunities, Spatial Scale, and Support for Green Jobs Policies. *Environmental Innovation and Societal Transitions* 26:158-170. <https://doi.org/10.1016/j.eist.2017.03.003>.
56. 2018. David J. Hess and Brandi Collins. Climate Change and Higher Education: Assessing and Improving the College Core. *Journal of Cleaner Production* 170: 1451-1458. <https://doi.org/10.1016/j.jclepro.2017.09.215>.

55. 2017.\* Benjamin Sovacool and David J. Hess. Ordering Theories: Typologies, and Conceptual Frameworks for Technology and Society. *Social Studies of Science* 47(5): 703-750.
54. 2017. David J. Hess, Christopher A. Wold, Scott C. Worland, and George M. Hornberger “Measuring Urban Water Conservation Policies: Toward a Comprehensive Index.” *Journal of the American Water Resources Association*. 53(2): 442-455. 10.1111/1752-1688.12506.
53. 2017. Kate Pride Brown and David J. Hess. “The Politics of Water Conservation: Identifying and Overcoming Political Barriers to Successful Policies.” *Water Policy* 19(2): 304-321. 10.2166/wp.2016.089.
52. 2016. David J. Hess and Kate Pride Brown. “Green Tea: Clean-Energy Conservatism as a Countermovement.” *Environmental Sociology* 3(1): 64-75. DOI 10.1080/23251042.2016.1227417.
51. 2016. Kate Pride Brown and David J. Hess. “Pathways to Policy: Partisanship and Bipartisanship in Renewable Energy Policy.” *Environmental Politics* 26: 971-990. 10.1080/09644016.2016.1203523
50. 2016. David J. Hess, Christopher A. Wold, Elise Hunter, John Nay, Scott Worland, Jonathan Gilligan, and George M. Hornberger. “Drought, Risk, and Institutional Politics in the American Southwest.” *Sociological Forum* 31(S1): 807-827. 10.1111/socf.12274. Open access.
49. 2016. Anna Lamprou and David J. Hess. 2016. “Finding Political Opportunities: Civil Society, Industrial Power, and the Governance of Nanotechnology in the European Union.” *Engaging Science, Technology, and Society* 2: 35-54.
48. 2016. Hess, David J. “The Politics of Niche-Regime Conflicts: Distributed Solar Energy in the United States.” *Environmental Innovation and Societal Transitions* 19: 42-50. 10.1016/j.eist.2015.09.002.
47. 2016 Hess, David J., Quan D. Mai, and Kate Pride Brown. “Red States, Green Laws: Ideology and Renewable Energy Legislation in the United States.” *Energy Research and Social Science* 11: 19-28.
46. 2015 Hornberger, George M., David J. Hess, and Jonathan Gilligan. “Water Conservation and Hydrological Transitions in American Cities.” *Water Resources Research* 51(6): 4635-3649.
45. 2015 Hess, David J. “Public as Threats? Integrating Science and Technology Studies (STS) and Social Movement Studies (SMS).” *Science as Culture* 24(1): 69-82.
44. 2015 Hess, David J., and Quan Mai. “The Convergence of Economic Development and Energy Transition Policies in State-government Plans in the United States.” *Sustainability: Science, Practice, and Policy* 11(1): 5-20. [http://sspp.proquest.com/static\\_content/vol11iss1/1404-006.hess.pdf](http://sspp.proquest.com/static_content/vol11iss1/1404-006.hess.pdf)
43. 2014 Hess, David J., Jonathan S. Coley, Quan D. Mai, and Lucas Hilliard. “Party Differences and Energy Reform: Fiscal Conservatism in the California Legislature.” *Environmental Politics* 24(2): 228-248.
42. 2014 Hess, David J. and Quan D. Mai. “Renewable Electricity Policy in Asia: A Qualitative Comparative Analysis of Factors Affecting Sustainability Transitions.” *Environmental Innovation and Societal Transitions* 12:31-46.



41. 2014 Hess, David J. "Smart Meters and Public Acceptance: Comparative Analysis and Governance Implications." *Health, Risk, and Society* 16(3): 243-258.
40. 2014 David J. Hess and Jonathan Coley. "Wireless Smart Meters and Public Acceptance: The Environment, Limited Choices, and Precautionary Politics." *Public Understanding of Science* 23(6): 688-702.
39. 2014 Hess, David J. "When Green Became Blue: Epistemic Rift and the Corraling of Climate Science." *Political Power and Social Theory* 27: 123-153.
38. 2014 Hess and Frickel. "Introduction: Fields of Knowledge and Theory Traditions in the Sociology of Science." *Political Power and Social Theory*, 27: 1-30.
37. 2014 Hess, David J. "Sustainability Transitions: A Political Coalition Perspective." *Research Policy* 43(2): 278-283.
36. 2013 Hess, David J. "Industrial Fields and Countervailing Power: The Transformation of Distributed Solar Energy in the United States." *Global Environmental Change* 23(5): 847-855.
35. 2013 Hess, David J. "Transitions in Energy Systems: The Mitigation-Adaptation Relationship." *Science as Culture*, special issue on energy futures. 22(2): 197-203.
34. 2013 Hess, David J. "Neoliberalism and the History of STS Theory: Toward a Reflexive Sociology." *Social Epistemology* 27(2): 177-193.
33. 2012 Jonathan Coley and David J. Hess. "Green Energy Laws and Republican Legislators in the United States." *Energy Policy* 48(1): 576-583.
32. 2011 Hess, David J. "To Tell the Truth: On Scientific Counterpublics." *Public Understanding of Science* 20(5): 627-641.
31. 2011 Hess, David J. "Bourdieu and Science and Technology Studies: Toward a Reflexive Sociology." *Minerva* 49(3): 333-348.
30. 2011 Hess, David J. "Electricity Transformed: Neoliberalism and Local Energy in the United States." *Antipode* 43(3): 1056-1057.
29. 2011\* Hess, David J. "Science and Neoliberal Globalization: A Political Sociological Approach." Coauthored with Kelly Moore, Scott Frickel, and Daniel Kleinman. *Theory and Society* 40(5): 505-532.
28. 2010 Hess, David J. "Sustainable Consumption and the Problem of Resilience." *Sustainability: Science, Practice, and Policy* 6(2): 1-30.
27. 2010 Hess, David J. "Declarations of Independents: On Local Knowledge and Localist Knowledge." *Anthropological Quarterly* 83(1): 147-170.
26. 2010\* Frickel, Scott, Sahra Gibbon, Jeff Howard, Joana Kempner, Gwen Ottinger, and David J. Hess. "Undone Science: Social Movement Challenges to Dominant Scientific Practice." *Science, Technology, and Human Values* 35(4): 444-473.
25. 2010 Hess, David J. "Environmental Reform Organizations and Undone Science in the United States: Exploring the Environmental, Health, and Safety Implications of Nanotechnology." *Science as Culture* 19(2): 181-214.
24. 2009 Hess, David J. "The Potentials and Limitations of Civil Society Research: Getting Undone Science Done." *Sociological Inquiry* 79(3): 306-327.
23. 2008 Hess, David J. "Localism and the Environment." *Sociology Compass* 2(2): 625-638.

22. 2007 Hess, David J., and Langdon Winner. "Enhancing Justice and Sustainability at the Local Level: Affordable Policies for Urban Governments." *Local Environment*. 12(4): 1-17.
21. 2007 Hess, David J. "Crosscurrents: Social Movements and the Anthropology of Science and Technology." *American Anthropologist* 109(3): 463-472.
20. 2007 Hess, David J. "What is a Clean Bus? Object Conflicts in the Greening of Urban Transit." *Sustainability: Science, Practice, and Policy* 3(1): 1-14.
19. 2006\* Hess, David J., and Brian Martin. "Backfire, Repression, and the Theory of Transformative Events." *Mobilization: An International Quarterly* 11(2): 249-267.
18. 2005 Hess, David J. "Technology- and Product-Oriented Movements: Approximating Social Movement Studies and STS." *Science, Technology, and Human Values* 30(4): 515-535.
17. 2004 Hess, David J. "Organic Agriculture and Food in the U.S.: Object Conflicts in a Health-Environmental Social Movement" *Science as Culture* 13(4): 493-514.
16. 2004 Hess, David J. "Medical Modernization, Scientific Research Fields, and the Movement for Complementary and Alternative Cancer Therapies." *Sociology of Health and Illness* 26(6): 695-709.
15. 2003 Frances Bronet, Ron Eglash, Gary Gabriele, David J. Hess, and Larry Kagan. "Product Design and Innovation: Evolution of an Interdisciplinary Design Curriculum." *International Journal of Engineering Education (IJEE)* 19(1): 183-191.
14. 2002 Hess, David J. "The Raw and the Organic: Politics of Therapeutic Cancer Diets in the U.S." *Annals of the American Academy of Political and Social Science* 583(September): 76-97.
13. 2002 Hess, David J. "Stronger Versus Weaker Integration Policies." *American Journal of Public Health* 92(10): 12-14.
12. 2002 E.J. Woodhouse, David J. Hess, Steve Breyman, and Brian Martin. "Science Studies and Activism: Possibilities and Problems for Reconstructivist Agendas," *Social Studies of Science* 32(2): 297-319.
11. 1999 Hess, David J. "Suppression, Bias, and Selection in Science: The Case of Cancer Research." *Accountability in Research* 6: 245-257.
10. 1999 Hess, David J. "The Autonomy Question and the Changing Conditions of Social Scientific Work." *Anthropology of Work Review* 20(1): 27-34.
9. 1996 Hess, David J. "Technology and Alternative Cancer Therapies." *Medical Anthropology Quarterly* 10(4): 657-74.
8. 1994\* Arturo Escobar with David J. Hess, Isabel Licha, Will Sibley, Marilyn Strathern, and Judith Sutz. "Welcome to Cyberia: Notes on the Anthropology of Cyberculture." *Current Anthropology*. 35(3): 223-24.
7. 1992 Hess, David J. "Umbanda and Quimbanda Magic in Brazil: Rethinking Aspects of Bastide's Work." *Archives des Sciences Sociales des Religions* 79: 139-53.
6. 1990 Rebecca Howard, David J. Hess, and Margaret Darby. "Hiring Across the Curriculum." *Writing Program Administration* 13.3: 27-36.

5. 1990 Hess, David J. "Ghosts and Domestic Politics in Brazil." *Ethos: Journal of the Society for Psychological Anthropology* 18(4): 407-38.
4. 1989 Hess, David J. "Disobsessing Disobsession: Religion, Ritual, and Social Science in Brazil." *Cultural Anthropology* 4(2): 182-193.
3. 1987 Hess, David J. "O Espiritismo e as Ciências [Spiritism and the Sciences]." *Religião e Sociedade* 14(3): 40-54.
2. 1987 Hess, David J. "The Many Rooms of Brazilian Spiritism." *Luso-Brazilian Review* 24.2: 15-34.
1. 1987 Hess, David J. "Religion, Heterodox Science, and Brazilian Culture." *Social Studies of Science* 17: 465-477.

### III. Book Chapters and Encyclopedia Entries

37. In progress. "Ignorance Studies/Agnology." In William C. Cockerham, Jonathan Gabe, Stella Quah & J. Michael Ryan (editors), *The Wiley-Blackwell Encyclopedia of Health, Illness, Behavior, and Society*. Wiley-Blackwell.
36. Accepted. Dasom Lee and David J. Hess. "Clean Energy Conservatism." In Christine Overdevest (ed.), *Elgar Encyclopedia of Environmental Sociology*. Edward Elgar.
35. Accepted. David J. Hess. "Social Movements, Science, and Technology: Conflict and Innovation." Forthcoming in Ulrike Felte and Allan Irwin (eds.), *Encyclopedia of Science and Technology Studies*. Edward Elgar.
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32. 2022. David J. Hess. "Environmental Movements and Industrial Transitions." In Marco Giugni and Maria Grasso, eds., *Routledge Handbook of Environmental Movements*. New York: Routledge. Pp. 482-502.
31. 2022. Hess, David J. "Undone Science and Smart Cities: Civil Society Perspectives on Risk and Emerging Technologies." Johannes Glückler, Heinz-Dieter Meyer, Laura Suarsana (eds) *Knowledge and Civil Society (Knowledge and Space, Vol 17)*. Cham: Springer International. Pp. 57-73.
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29. 2018. Holly J. McCammon, Allison McGrath, David J. Hess, and Minyoung Moon. 2017. "Women, Leadership, and the U.S. Environmental Movement." In Holly J. McCammon and Lee Ann Banaszak (eds.), *100 Years of the*

- Nineteenth Amendment: An Appraisal of Women's Political Activism.*  
Oxford University Press.
28. 2017. David J. Hess and Rachel G. McKane. "Renewable Energy Research and Development: A Political Economy Perspective." In David Tyfield, Rebecca Lave, Samuel Randalls, and Charles Thorpe, eds. *Routledge Handbook of the Political Economy of Science*. Pp. 275-288.
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  24. 2014 Hess, David J. "Beyond Scientific Consensus: Scientific Counterpublics, Countervailing Industries, and Competing Research Agendas." In Peter Wehling, Willy Viehöver, and Sophia Koenen, eds. *The Public Shaping of Medical Research: Patient Associations, Health Movements, and Biomedicine*. Routledge. Pp. 151-171.
  23. 2014 Hess, David J. "Political Ideology and the Green-Energy Transition in the United States." In Daniel Kleinman and Kelly Moore, eds. *Routledge Handbook of Science, Technology, and Society*. New York: Routledge. Pp. 277-291.
  22. 2013 Hess, David J. "Local and Not-So-Local Exchanges: Alternative Economies, Ethnography, and Social Science." In Jeff Juris and Alex Khasnabish (eds.), *Insurgent Encounters: Transnational Activism, Ethnography, and the Political*. Duke University Press.
  21. 2013 Hess, David J. "Sustainable Consumption, Energy, and Failed Transitions: The Problem of Adaptation." In Maurie Cohen, Halina Brown, and Philip Vergragt (eds.), *Innovations in Sustainable Consumption: New Economics, Socio-Technical Transitions, and Social Practices*. Northampton, MA: Edward Elgar. Pp. 159-178.
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  19. 2012 Hess, David J. "The Green Transition, Neoliberalism, and the Technosciences." In Luigi Pellozoni and Marja Ylönen (eds.), *Neoliberalism and Technosciences: Critical Assessments*. Edward Elgar. Pp. 209-230.
  18. 2012 Hess, David J., and Anna Lamprou. "Nanotechnology and the Environment." In Donald Mclaurcan, ed., *Nanotechnology and Global Sustainability*. CRC Press.

17. 2010 Hess, David J. "A Political Economy of Sustainability: Alternative Pathways and Industrial Innovation." In Steven Moore (ed.), *Pragmatic Sustainability: Theoretical and Practical Tools*. MIT Press.
16. 2008 Hess, David J., Steve Breyman, Nancy Campbell, and Brian Martin. "Science, Technology, and Social Movements." *Handbook of Science and Technology*, edited by Ed Hackett, Olga Amsterdamska, Michael Lynch, and Judy Wajcman.
15. 2006 Hess, David J. "Antiangiogenesis Research and the Dynamics of Scientific Research Fields: Historical and Institutional Perspectives in the Sociology of Science." In Scott Frickel and Kelly Moore (eds.), *The New Political Sociology of Science: Institutions, Networks, and Power*. University of Wisconsin Press.
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13. 2005 Hess, David J. "Complementary and Alternative Medicine." In Carl Mitcham, ed., *Encyclopedia of Science, Technology, and Ethics*. Detroit: Macmillan Reference USA. Vol. 1: 384-387. Updated in 2014.
12. 2005 Hess, David J. "Complementary and Alternative Medicine." In Sal Restivo, ed., *Oxford Encyclopedia of Science, Technology, and Society*. Pp. 67-72. Oxford University Press.
11. 2001 Hess, David J. "Scientific Culture." In Neil J. Smelser and Paul B. Bates, eds., *International Encyclopedia of the Social and Behavioral Sciences*, Oxford, Pergamon
10. 2004 Hess, David J. "CAM Cancer Therapies in Twentieth-Century North America: Examining Continuities and Change." In Robert Johnston (ed.), *The Politics of Healing*. Routledge.
9. 2003 Hess, David J. "Technology, Medicine, and Modernity." In Arie Rip, Philip Brey, and Tom Misa, *Technology and Modernity*. Cambridge, MA: MIT Press.
8. 2001 Hess, David J. "Ethnography and the Development of Science and Technology Studies." *Sage Handbook of Ethnography*. Paul Atkinson, Amanda Coffey, Sara Delamont, Lyn Lofland, and John Lofland, eds. Translated into Russian (*Etnograficheskoe Obozrenie*).
7. 2000 Hess, David J. "Patients, Science, and Alternative Cancer Therapies." In *Preventing Cancer in North America*, edited by Diane Wiener. Greenwood Press.
6. 2000 Hess, David J. "Medical Integration and Questions of Universalism." [Portuguese] In Laura Graziela Gomes, ed. *Twentieth Anniversary Commemoration of Carnavais, Malandros, e Heróis*. Rio de Janeiro: Editora da Fundação Getúlio Vargas.
5. 1995 Hess, David J. "Hierarchy, Hegemony, and the Construction of Brazilian Religious Therapies." In *The Brazilian Puzzle: Culture on the Borderlands of the Western World*, edited by David J. Hess and Roberto DaMatta. New York: Columbia University Press.

4. 1998 Hess, David J. "If You're Thinking of Living in STS....A Guide for the Perplexed." In Gary Downey and Joe Dumit (eds.), *Cyborgs and Citadels: Anthropological Interventions in Emerging Sciences and Technologies*. Santa Fe: SAR Press.
3. 1992 Hess, David J. "Disciplining Heterodoxy, Circumventing Discipline." *Knowledge and Society Volume 9: The Anthropology of Science and Technology*. JAI Press.
2. 1992 Hess, David J. "The New Ethnography and the Anthropology of Science and Technology." Introductory essay, *Knowledge and Society Volume 9: The Anthropology of Science and Technology*. JAI Press.
1. 1991 Hess, David J. "On Earth as It Is in Heaven: Reading Spiritist Otherworldly 'Ethnographies.'" In Roberto Reis (ed.), *Toward Socio-Criticism: Selected Proceedings of the Conference "Luso-Brazilian Literatures, A Socio-Critical Approach."* Arizona State University at Tempe, Center for Latin American Studies.

#### IV. Book Reviews, Commentaries, Etc. 2010-

- 2022 "The value of analytic diversity in urban sustainability studies." *Local Environment* 27(3): 267-271.
- 2018 "We aren't teaching what students need to know about climate science." *Chronicle of Higher Education*, June 8.
- 2017 David J. Hess and Harald Rohrer. "Civil Society, Culture, and Social Movements in Transitions." Sustainable Transition Research Network. [www.transitionnetwork.org](http://www.transitionnetwork.org).
- 2015 "Power, Ideology, and Technological Determinism." *Engaging Science, Technology, and Society* 1: 121-125.
- 2013 "Epistemic Modernization and Social Movements." *Mobilizing Ideas*. May. <http://mobilizingideas.wordpress.com>
- 2012 "Election Tuesday Blog." MIT Press.  
 "Good Green Jobs in a Global Economy." Page99 Blog.  
 "The New Developmentalism: How the Long-Term Shifts to an Asia-Centered, Low-Carbon Global Economy Are Connected." Invited commentary, *World Financial Review*, Nov.-Dec.  
 "A Theory of Fields: A Review." *Mobilizing Ideas*. June 13, <http://mobilizingideas.wordpress.com/2012/06/13/a-theory-of-fields-a-review/>.  
 "Notes on the Relationship Between CAM and the Social Sciences." (Invited commentary on Hans Baer and colleagues.) *Medical Anthropology Quarterly* 26(2): 283-286.  
 "Opening Political Opportunities for a Green Transition." Invited commentary, blog of the Committee for the Anthropology of Science, Technology, and Computing. [Blog.castac.org](http://blog.castac.org).
- 2011 "Various Roles of Community Gardens." *e/a: Environment and Landscape Architecture of Korea* 279 (July): 154-159.

- 2010 “Bridging Climate Action Policies and Green Job Development,” invited white paper for the New York Climate Action Council
- 2010 *Building Clean-Energy Industries and Green Jobs: Policy Innovations at the State and Local Government Level.* (330-page research report.) By David J. Hess, David Banks, Bob Darrow, Joe Datko, Jaime D. Ewalt, Rebecca Gresh, Matthew Hoffmann, Anthony Sarkis, and Logan Williams. Troy, NY: Science and Technology Studies Department, Rensselaer Polytechnic Institute. [www.davidjhess.net](http://www.davidjhess.net).

### **INVITED LECTURES AND SEMINARs (2010-)**

- 2022 “A comparative, sociotechnical design perspective on Responsible Innovation.” David Hess, Dasom Lee, et al. Workshop on Bridging International Societal Differences in Autonomous and Digitalized Energy Systems. ACM e-energy, June 28.  
Keynote, York University. Undoing the Crisis, Keynote lecture. York University Graduate STS Conference, Toronto, June 23.
- 2021 “Mobilized Publics and Energy Transitions.” Invited lecture, Norwegian University of Science and Technology, November.  
“Social Movements and Knowledge: Exploring the Interfaces of Expertise, Technology Design, and Interdisciplinary Collaboration,” Invited lecture, Cornell University, September.  
“Can We Utilize Smart Meter Data and Maintain Consumer Privacy?” Dasom Lee and David Hess, Institute of Public Utilities, Michigan State University, May (NSF PIRE grant).  
“Ignorance as Dynamic Process: A Social Scientific Perspective,” David Hess, Université de Limoges, April.  
“Climate Change, Engineering, and the Interdisciplinary Curriculum,” David Hess, University of Exeter, June.  
“Safety and Privacy Regulations for UAVs: A Comparative Perspective,” Dasom Lee and David Hess. Invited presentation, Workshop on Assured CPS (Cyberphysical Systems) Autonomy for 3D Urban Transportation: Drones, Flying Cars, and Beyond,” University of California at Berkeley, June (NSF PIRE grant).
- 2020 “Safety and Equity Issues in Connected and Automated Vehicles.” David Hess, Dasom Lee, Rachel McKane. Invited presentation, Technical University of Munich, December. (NSF PIRE grant.)  
“Assessing Societal Concerns of Automated Vehicles: Policy and Design Implications.” David Hess, Dasom Lee, and Rachel McKane. UCLA, Institute for Pure and Applied Mathematics, Workshop IV: Social Dynamics beyond Vehicle Autonomy, December. (NSF PIRE grant.)
- 2019 “Political Strategy and Environmental Reform.” Presentation at the Behavioral Wedge +10 conference, Vanderbilt Law School.  
“Smart Meters and Opposition in the United States and Canada. Presentation for Technoscientific Controversies in the Public Sphere: the Smart Meters Case.” University of Padua, Feb. 1. Padova Sciences-Technology-

- Innovation-Society Centre (University of Padua, Italy), in collaboration with the Interdisciplinary Institute for Innovation (French National Centre for Scientific Research-Télécom ParisTech School, Paris).
- 2018 “Civil Society and Connected and Autonomous Vehicles in the United States.” Symposium on Societal and Technological Research Challenges for Highly Automated Road Transportation Systems in Germany and the US: Diversities and Synergy Potentials. Washington, D.C.  
 “Smart cities and future knowledges: undone science, civil society, and social movements.” With Magdalena Sudibjo. Knowledge and Civil Society Symposium, University of Heidelberg.  
 “World Making Fields: Science and the Law.” Symposium on Identifying Gaps, Building Bridges: Fostering Exchanges between Sociolegal Studies and STS (NSF Workshop), Drexel University.
- 2017 “Undone Science: Linking STS, Ignorance Studies and Mobilizations,” invited lecture, Université Paris Dauphine.  
 “Remaking the Energy Grid: Social Movements, Industrial Change, and Energy Democracy in New York State.” Symposium on Energy Democracy (NSF Workshop), University of Utah.
- 2016 “Undone Science and Social Movements: Mobilized Publics, Political Judo, and Climate Change.” Invited lecture, Thomas Gieryn Lecture, Indiana University
- 2015 “STS, Technology Transitions, and Sustainability Policy,” Invited keynote lecture, ST Global Conference, National Academy of Science.  
 “Theory Traditions in STS,” STS Department lecture, Virginia Tech.  
 “Weapons of the Niche: Mobilizing Support for Green-Energy Policy in a Time of Polarized Politics,” Invited Lecture, University of Tennessee
- 2014 “Incumbent-Challenger Relations and Countervailing Industrial Power: The Utilities, Distributed Solar Energy, and State Governments in the United States.” Invited presentation for “International Workshop on Incumbent-Challenger Interactions in Energy Transitions,” University of Stuttgart.
- 2013 “The Corraling of Climate Science: How Effective?” Holtz Center, University of Wisconsin at Madison  
 “Countervailing Power, Political Coalitions, and Environmental Governance: The Politics of Green-Energy Transitions in the United States,” University of Maryland, National Environmental Synthesis Center  
 “Climate Change and Global Problems.” Model UN lecture, Vanderbilt University.  
 “Life and Death in 2050: Knowledge, Technology, and the Future.” Invited lecture, Vanderbilt University Law School, seminar on “the law in 2050.”
- 2012 “Changing Frameworks in Local and Regional Development,” invited seminar for the LSED Euro-Med Research Group, European Neighborhood Policy Instrument Cross-Border Cooperation in the Mediterranean (Portugal, France, Italy, Israel, Palestine)  
 “Green Jobs, the Developmentalist State, and American Politics.” Colloquium, Earth and Environmental Sciences Department, Vanderbilt University



- “The New Developmentalism: Brazil, the U.S., and Energy Policy.” Invited keynote presentation, conference on STS in Latin America, Indiana University
- “Engagement and STS.” Invited presentation in the STS graduate seminar, Virginia Tech.
- Green for All Academy, panel presentation on “Policies, Regulations, and Incentives”
- “Transitions, Societal Change, and Countervailing Power: Finance, Democracy, and Green Energy in the United States.” University of Sussex, invited presentation for workshop on Grassroots Innovation.
- “Beyond Scientific Consensus: Scientific Counterpublics, Countervailing Industries, and Competing Research Agendas.” University of Augsburg, invited presentation for workshop on patient advocacy movements
- “When Green Became Blue: Climate Science, Energy Policy, and the Emergence of Contrapublics.” University of Wisconsin, invited paper for workshop on political sociology of science.
- 2011 “Building Local Living Economies in America,” Ethical Culture Society of New York; similar lecture also given at the Nashville Public Library
- “Building Clean Energy Industries and Green Jobs,” invited plenary lecture, Tennessee Sustainable Economy Summit
- “Design, Policy, and Sustainability,” lecture for the Institute of Sustainability, Lipscomb University
- 2010 “Localist Movements in a Global Economy,” Northeastern University
- “Clean-Tech Clusters and State Government Policies,” New York State Energy Research and Development Authority”
- Plenary panel presentation, Massachusetts Green Careers Conference
- “From Green Energy to Green Jobs: Rebuilding Local Economies,” Plenary lecture, Live Green Conference
- “The Buy Local and Bank Local Movement,” invited lecture, Sustainable Communities, White River Junction, Vermont
- “Social Movements, Publics, and Scientists,” invited plenary lecture, Japanese Society for Studies of Science and Technology
- “Pathways to a Great Transition?” Invited lecture, Tellus Institute, Boston
- “Interdisciplinary Research, Publics, and Civil Society.” Invited presentation, NSF conference on interdisciplinary science, Boston University