

# DASOM LEE

Ph.D. Candidate, Department of Sociology, Vanderbilt University

[dasom.lee.1@vanderbilt.edu](mailto:dasom.lee.1@vanderbilt.edu)

[www.dasomlee.com](http://www.dasomlee.com)

+1 615 945 0260

## EDUCATION

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2020 (exp.) Ph.D. Sociology, minor in Quantitative Methods, Vanderbilt University,  
Certificate in College Teaching (further specialized in online teaching)

Dissertation: Sustainable Development Goals and Corporate Actions: The  
Impacts of Corporate Interlocks and Institutional Logics on  
Corporate Social and Environmental Responsibility.

Committee: Professors David J. Hess (chair), Daniel B. Cornfield, Joshua  
Murray, Mark A. Cohen

Affiliations: Computational Thinking and Learning Initiative  
Institute for Software Integrated Systems  
Vanderbilt Institute for Energy and Environment

2014 M.A. Economics, Kyoto University, Japan

2009 B.Sc. Sociology, London School of Economics, United Kingdom

## RESEARCH INTERESTS

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Artificial Intelligence and Cyber-Physical Systems (energy and transportation: privacy,  
sustainability, equity); Organizational Informatics, Energy Transitions; Computational Social  
Science and Quantitative Methods.

## PUBLICATIONS

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Forthcoming **Lee, Dasom.** Corporate Social Responsibility and Sustainable Development  
Goal 9. *Encyclopedia of the UN Sustainable Development Goals: Goal 9  
Industry, Innovation and Infrastructure.*

2020 **Lee, Dasom,** David Hess, Himanshu Neema. The Challenges of Implementing  
Transactive Energy: A Comparative Analysis of Experimental Projects. *The  
Electricity Journal* 33(10). <https://doi.org/10.1016/j.tej.2020.106865>

2020 **Lee, Dasom** and David 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. <https://doi.org/10.1016/j.tra.2020.03.026>  
• Impact factor: 4.0

2020 Hess, David 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.  
<https://doi.org/10.1016/j.rser.2020.109716>  
• Impact factor: 12.1

2020 Neema, Himanshu, Janos Sztipanovits, David J. Hess, and **Dasom Lee.** TE-  
SAT: Transactive Energy Simulation and Analysis Toolsuite. 2020 IEEE  
Workshop on Design Automation for Cyber-Physical Systems and Internet of  
Things (DESTION). IEEE. <https://ieeexplore.ieee.org/document/9140486>

2019 **Lee, Dasom** and David Hess. Incumbent Resistance and the Solar Transition:

Changing Opportunity Structures and Framing Strategies. *Environmental Innovation and Societal Transitions* 33:183-195.

<https://doi.org/10.1016/j.eist.2019.05.005>

- Impact factor: 8.4

- 2008 Kim, Minjung, Susan Kim, Jaewon Kim, Hyeonsoon Kim, Haemin Kim, Eunhyun Mun, Yunho Bae, Misoon Baek, Byungon Shin, Hyewoo Yang, **Dasom Lee**, Byungryul Lee, Seokjoon Lee, Seoyeon Jang. 2008. 외국인 보호 및 교정 시설 방문조사 결과보고서 [A Survey on Undocumented Migrants in Detention Facilities in Korea], National Human Rights Commission of Korea. ISBN: 978-89-6114-043-0 93330. Authorship in alphabetical order.

## WORK IN PROGRESS

- Under Review Hess, David, **Dasom Lee**, Bianca Biebl, Martin Franzle, Sebastiaan Lehnhoff, Jurgen Niehaus, Alexander Pretschner, and Janos Szipanovits. A Sociotechnical Design Perspective on Responsible Research and Innovation: Perspectives for Problem Finding for Research on Digitized Energy and Automated Vehicles. *Journal of Responsible Innovation*.
- Under Review **Lee, Dasom** and David Hess. Privacy and Smart Meters: A Comparative Analysis and Assessment of Harmonization Potential. *Utilities Policy*.
- Under Review **Lee, Dasom**. Measuring Corporate Social Environmental Responsibility: An evaluation of a new index based on the Sustainable Development Goals. *Sociological Perspectives*.
- Under Review **Lee, Dasom**. Transnational Capitalist Class and Corporate Social and Environmental Responsibility: Comparing the global corporate citizenship and universal owner perspectives. *Social Science Research*.
- Under Review **Lee, Dasom**. Responsible and Profitable: The Co-existence of Institutional Logics in Corporations. *Socio-Economic Review*.
- In Progress Neema, Himanshu, **Dasom Lee**, David Hess, Scott Phillips, and Zak Threet. Local Virtual Power Plans and Transactive Energy: Simulations on Economic Savings.
- In Progress Park, Kendall, Allison Elias, and **Dasom Lee**. Diversity and CSR Board Directorships' Effects on Corporate Financial Performance.
- In Progress Hess, David and **Dasom Lee**. A Survey on the Public's Attitudes and Perceptions toward Connected and Automated Vehicles: Security, Privacy, Safety, Sustainability, and Equity.

## TEACHING EXPERIENCE

### Instructor:

- 2019 Human Behavior in Organizations, Vanderbilt University. (Instructor evaluation 4.89/5.)
- 2018 Professional Development Workshop: Introduction to Statistics, Exploring in Diversifying Engineering Faculty Initiative, Vanderbilt University.
- 2013 Lecturer (as a graduate student), East Asian Economy, Graduate School of Economics, Kyoto University
- 2011 Teacher, English as a second language, Miki's British School, Korea.

### Teaching Assistant:

- 2020 Spring: Training on Cyber-Physical Systems Virtual Organization, Institute for Software Integrated Systems (co-lectured)
- 2018 Fall: Energy Transitions and Society
- 2018 Spring: Introduction to Social Research
- 2018 Spring: Contemporary Social Issues
- 2017 Fall: Masculinity and Men's Health

2017	Spring: Race, Gender, and Sport
2016	Fall: Race, Gender, and Sport
2016	Spring: Business, Civil Society, Environment

### GRANTS, FELLOWSHIPS, HONORS

2020-2021	HASTAC Scholar, Computational Thinking and Learning Initiative (\$500)
2020	Russell Hamilton Graduate Leadership Grant (\$750)
2015-2020	Marion T. Loftin Scholarship, Vanderbilt University (\$3,000 annually)
2015-2020	Graduate Assistantship, Vanderbilt University
2018	Small Research Grant, Vanderbilt University (\$390)
2018	Graduate School Travel Grant, Vanderbilt University (\$500)
2012-2014	Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT) Scholar: Full tuition and Stipend offered for 5 years
2013-2014	Graduate School of Economics, Kyoto University Teaching Scholarship
2014	Germany and the Netherlands Field Research Trip Travel Grant, Kyoto University
2013	Field Research in China Travel Grant, Kyoto University
2009	Department of Sociology, London School of Economics, Graduation Honors

### RESEARCH AND WORK EXPERIENCE

2018-Present	Dr. David Hess. PIRE: Science of Design for Societal-Scale Cyber-Physical Systems. National Science Foundation.
2019	Dr. Daniel Cornfield. Local Arts Agency. Quantitative Methods Graduate Research Assistant.
2018	Dr. Ebony McGee (Peabody College, Vanderbilt University). Exploration in Diversifying Engineering Faculty Initiative (EDEFI). Quantitative Methods Research Assistant. National Science Foundation.
2018	Dr. David Hess. Frames and Institutional Logics Changes in Utilities and Solar Companies 2005-2017. Fant Fund Research Assistant.
2016-2018	Dr. Josh Murray and Dr. Jen Heerwig (SUNY Stony-Brook). Data on Corporate Elites Networks 1980-2014. Russell Sage Foundation Presidential Grant.
2015-2016	Dr. Katharine Donato. Metropolitan Statistical Areas and Foreign-Born Demographic Changes 1990-2015.
2012	Junior Program Specialist, UNESCO Asia-Pacific Center of Education for International Understanding, Korea. Directed and managed international educational exchange programs and worked as a liaison for the programs.

### INVITED PRESENTATIONS

2020	<b>Lee, Dasom</b> and David Hess. On-Road Testing of Connected and Automated Vehicles Regulations: Assessing the Potential for Global Safety Harmonization. Workshop: Social Dynamics beyond Vehicle Autonomy. Institute for Pure and Applied Mathematics.
2020	Hess, David, <b>Dasom Lee</b> , and Rachel McKane. Safety and Equity Issues in Connected and Automated Vehicles. Driving Despite Impairments. Technical University Munich, Germany.

### CONFERENCE PRESENTATIONS

2020	<b>Lee, Dasom</b> and David Hess. Privacy and Smart-Meters: A Comparative Analysis and Assessment of Harmonization Potential. Association for Public Policy Analysis & Management.
2020	<b>Lee, Dasom</b> . Measuring Corporate Social and Environmental Responsibility: An Evaluation of a New Index Based on the Sustainable Development Goals. Accepted at the Annual Meeting of the American Sociological Association.

- 2020 **Lee, Dasom.** Why do Corporations Change?: Developing a New Understanding of the Industry Opportunities Structures Perspective. Accepted at the Society for the Study of Social Problems 2020 Annual Meeting.
- 2019 **Lee, Dasom** and David Hess. Incumbent Resistance and Solar Transition: Linkages between Framing Strategies and Opportunity Structures. Industry Studies Association Annual Conference.
- 2019 McGee, Ebony, **Dasom Lee**, Jeremy Lynch, and Dara Naphan-Kingery. Race, Gender, and Mental Health Among Engineering Doctoral Students: Determinants of Stress and Seeking Help. American Educational Research Association.
- 2018 **Lee, Dasom;** Intersectional Organization: 2006 Immigration Protests in MSAs and Changes in Identity Politics in Labor Movements, American Sociological Association.
- 2014 **Lee, Dasom;** East Asia Power Hierarchy and Its Implications, Erasmus University, Holland.
- 2013 **Lee, Dasom;** Capitalism and Racial Thinking: The relations between the rise of capitalism and the place of sub-continental Indians in the discourse of racism and cultural superiority in the 18<sup>th</sup> and 19<sup>th</sup> century, 61<sup>st</sup> Annual Conference of Japan Society of Political Economy: Cataclysm of Global Economy and Future of Capitalism, Kanagawa, Japan.
- 2013 **Lee, Dasom;** Transnational Families: Korean Students' Perception of the Changes of Their Family Relationship due to the Students' Migration, Yanbian University 3<sup>rd</sup> Korea, China, Japan Language and Cultural Comparative Studies International Symposium, China.
- 2013 **Lee, Dasom;** A Qualitative Analysis on the Changes of Perspectives of a Japanese University Students towards Multiculturalism after Entering Higher Education, Annual Sociological Conference of Kansai University, Kansai University, Japan.

## ADVANCED METHODS TRAINING

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Latent Growth Curve Modeling, Bayesian Analysis, Structural Equation Modeling, Multilevel Analysis, Categorical Data Analysis, Fixed and Random Effects Model, Exploratory and Graphical Data Analysis, Social Network Analysis, Item Response Theory, Geographic Information System, Regression Modeling Strategies.

## PROFESSIONAL SERVICE

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2020-Present President, Department of Sociology, Vanderbilt University  
 2018-Present Associate Editor, *Work and Occupations*  
 2018-2019 Brownbag Series Coordinator, Vanderbilt University  
 Ad hoc reviewer for *Energy Research and Social Science* and *Work and Occupations*

## PROFESSIONAL AFFILIATIONS

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American Sociological Association  
 Academy of Management  
 Association for Public Policy Analysis & Management  
 Society for the Study of Social Problems  
 Alliance for Research on Corporate Sustainability  
 Industry Studies Association

## LANGUAGES

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English (Fluent), Korean (Native)  
 R, MPlus, WinBUGS, UCINET, AMOS, LISREL, Python, GridLAB-D (energy simulation program).