

# CURRICULUM VITAE

## Brian Castellani, Ph.D.

Full Professor, Department of Sociology  
Durham University, UK

Adjunct Professor of Psychiatry  
Northeastern Ohio Medical University, USA

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[Complexity in Social Science](#)

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[International Journal of Social Research Methodology](#)

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[Complexity, Governance and Networks](#)

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Academic Blog: <http://sacswebsite.blogspot.com/>

### RESEARCH PROFILE

My areas of research are: the complexities of place and health; communities and global civil society; computational modeling and mixed-methods; complexity theory and policy evaluation; big data and digital sociology

### Education

1997	Ph.D. Sociology, Kent State University
1992	M.A. Clinical Psychology, Fuller Graduate School of Psychology
1988	B.A. Psychology, Kent State University

### Current Appointments

2018 to present	<i>Professor of Sociology</i> , Durham University, UK
2005 to present	<i>Adjunct Professor of Psychiatry</i> , Northeast Ohio Medical University, USA

### Previous Appointments

2013 to 2017	<i>Professor of Sociology</i> , Kent State University
2006 to 2012	<i>Associate Professor</i> , Department of Sociology, Kent State University
2002 to 2006	<i>Assistant Professor</i> , Department of Sociology, Kent State University
1997 to 2002	<i>Assistant Professor</i> , Behavioral Sciences, Northeast Ohio Medical University

### Fellowships and Visiting Appointments

2017 to 2018	CECAN Fellow, <a href="#">Centre for the Evaluation of Complexity Across the Nexus</a>
2016 (June)	<i>Systems Science Scholar</i> , <a href="#">Robert Wood Johnson Foundation/Academy Health</a>
2012 (Michaelmas)	<i>Leonard Slater Fellowship</i> , <a href="#">University College, Durham University</a>
2012 (Autumn)	<i>Visiting Scholar</i> , <a href="#">Institute for Creative Technologies, University of Southern California</a>

## PUBLICATIONS

### Books

Year	Book
2019	Castellani, B and R. Rajaram (forthcoming) <i>Data Mining Big Data: A Complex Critical Introduction</i> . Sage – part of the Sage Quantitative Methods Kit.
2018	Castellani, B. <i>The Defiance of Global Commitment: A Complex Social Psychology</i> . Routledge – part of the Complexity in Social Science Series.
2015	Castellani, B. et al. <i>Place and Health as Complex Systems: A Case-Based Study and Empirical Test</i> . Springer Briefs in Public Health.
2009	Castellani, B. and F. Hafferty. <i>Sociology and Complexity Science: A New Area of Inquiry</i> . Springer.
2000	Castellani, B. <i>Pathological Gambling: The Making of a Medical Problem</i> . New York: State University of New York Press.

### Peer Reviewed Articles

Year	Article	Impact
2019	Castellani, B., P. Barbrook-Johnson & C. Schimpf. <a href="#">Case-based methods and agent-based modelling: Bridging the divide to leverage their combined strengths</a> . <i>International Journal of Social Research Methodology</i>	2.14
2018	Castellani, B., F. Griffiths, R. Rajaram, & J. Gunn. <a href="#">Exploring Comorbid Depression and Physical Health Trajectories: A Case-Based Computational Modeling Approach</a> . <i>Journal of Evaluation in Clinical Practice</i> . 24(6) 1293-1309.	1.48
2018	Kingsbury, D. M., Bhatta, M. P., Castellani, B., Khanal, A., Jefferis, E., & Hallam, J. S. <a href="#">Factors Associated with the Presence of Strong Social Supports in Bhutanese Refugee Women During Pregnancy</a> . <i>Journal of immigrant and minority health</i> , 1-7.	1.28
2018	M Kingsbury, D., P Bhatta, M., Castellani, B., Khanal, A., Jefferis, E., & S Hallam, J. <a href="#">The Personal Social Networks of Resettled Bhutanese Refugees During Pregnancy in the United States: A Social Network Analysis</a> . <i>Journal of community health</i> , 1-9.	1.53
2017	Rajaram, R., B. Castellani and A. Wilson. " <a href="#">Advancing Shannon Entropy for Measuring Diversity in Systems</a> " <i>Complexity</i> .	4.62
2016	Castellani, B., and R. Rajaram. " <a href="#">Past the Power Law: Complex Systems and the Limiting Law of Restricted Diversity</a> ." <i>Complexity</i> .	4.62
2016	Buckwalter, G., B. Castellani, B. John, B. McEwen, A. Rizzo, K. O'Donnell and T. Seeman. " <a href="#">Allostatic Load as a Complex Clinical Construct: A Case-Based Computational Approach</a> ." <i>Complexity</i> .	4.62
2016	Rajaram, R., and B. Castellani. " <a href="#">An Entropy Based Measure for Comparing Distributions of Complexity</a> ." <i>Physica A: Statistical Mechanics and Its Application</i> .	1.94
2015	Castellani, B., R. Rajaram, J. Gunn, and F Griffiths. " <a href="#">Cases, Clusters, Densities: Modeling the Nonlinear Dynamics of Complex Health Trajectories</a> ." <i>Complexity</i> .	4.62
2014	Rajaram, R, and B. Castellani. " <a href="#">The Utility of Non-equilibrium Statistical Mechanics, Specifically Transport Theory, for Modeling Cohort Data</a> ." <i>Complexity</i> .	4.62
2013	Hafferty, F., B. Castellani, P. Hafferty, and P. Wojciech. " <a href="#">Anatomy and histology as socially networked learning environments: Some preliminary findings</a> " <i>Academic Medicine</i> , Sept 88(9): 1315-1323.	5.25
2012	Rajaram, R and B. Castellani. " <a href="#">Modeling Complex Systems Macroscopically: Case/Agent-Based Modeling, Synergetics and the Continuity Equation</a> ." <i>Complexity</i> , 18(2): 8-17.	4.62
2012	Castellani, B and R. Rajaram. " <a href="#">Case-Based Modeling and the SACS Toolkit: A Mathematical Outline</a> ." <i>Computational and Mathematical Organizational Theory</i> , 18(2): 153-174	.92
2010	Hafferty, F. and B. Castellani. " <a href="#">The Increasing Complexities of Professionalism</a> ." <i>Academic Medicine</i> , 85(2): 288-301	5.25

2010	Castellani, B., Hafferty, F. and Ball, M. <a href="#">“E-Social Science from a Systems Perspective: Applying the SACS Toolkit.”</a> <i>Journal of Sociocybernetics</i> , 7(2): 89-106.	--
2009	Hafferty, F.W. and B. Castellani <a href="#">“A Sociological Framing of Medicine’s Modern-Day Professionalism Movement.”</a> <i>Medical Education</i> , 43(9): 826-828.	4.0
2003	Castellani, B. J. Castellani, and S. Spray. <a href="#">“Grounded Neural Networking: Modeling Complex Quantitative Data.”</a> <i>Symbolic Interaction</i> , 26(4): 577-589	.63
2003	Castellani, B. and J. Castellani. <a href="#">“Data Mining: Qualitative Analysis with Health Informatics Data.”</a> <i>Qualitative Health Research</i> , 13(7): 1005-1018.	2.03
2002	Castellani, B., R. Wedgeworth, J. Buckwalter, B. Taber, G. Bartlett, D. and D. Wear. “Do Clinical Faculty Endorse Preparation for Today’s Changing Healthcare System?” <i>Journal of Managed Care Medicine</i> , 6(2):28-31.	--
2002	Wear D. and B. Castellani. “Motherhood and Medicine: The Experience of Double Consciousness.” <i>Annals of Behavioral Science and Medical Education</i> , 8(2): 92-96.	--
2000	Castellani, B. and D. Wear. <a href="#">“Physician Views on Practicing Professionalism in the Corporate Age.”</a> <i>Qualitative Health Research</i> , 10(4): 490-506.	2.03
2000	Wear, D. and B. Castellani. <a href="#">“Development of Professionalism: Curriculum Matters.”</a> <i>Academic Medicine</i> 75(6): 602-611.	5.25
2000	Wear, D. and B. Castellani. <a href="#">(Re) considering Context in Patient-Doctor Relationships.</a> <i>Annals of Behavioral Science and Medical Education</i> 7(1): 13.	
1999	Wear, D. and B. Castellani. <a href="#">“Conflicting Plots and Narrative Dysfunction in Health Care.”</a> <i>Perspectives in Biology and Medicine</i> , 42(4): 544-558.	1.34
1999	Castellani, B. <a href="#">“Michel Foucault and Symbolic Interactionism: The Making of a New Theory of Interaction.”</a> <i>Studies in Symbolic Interaction</i> , 22:108-137.	.13
1997	Castellani, B., R. Wedgeworth, E. Wootton, and L. Rugle. <a href="#">“A Bi-Directional Theory of Addiction: Examining Coping and the Factors Related to Substance Relapse.”</a> <i>Addictive Behaviors</i> , 22(1): 139-144.	2.76
1996	Castellani, B., E. Wootton, L. Rugle, R. Wedgeworth, K. Prabucki, and R. Olson. <a href="#">“Homelessness, Negative Affect, and Coping Amongst Veterans with Gambling Problems who Misused Substances.”</a> <i>Psychiatric Services</i> , 47(3):298-299.	2.81
1995	Castellani, B., and L. Rugle. <a href="#">“A Comparison of Pathological Gamblers to Alcoholics and Cocaine Misusers on Impulsivity, Sensation Seeking, and Craving.”</a> <i>Substance Use and Misuse</i> , 30(3), 275-289.	1.23

## Book Chapters

Year	Chapter Name
2019	Castellani, B. The Complex Global Crisis of Population and Public Health. In Apostolopoulos, Hassmiller Lich, and Lemke’s <i>Complex Systems and Population Health: A Primer</i> . Oxford University Press. (Forthcoming in 2019)
2018	Dister, C., R. Rajaram and B. Castellani. “Modeling Social Complexity in Infrastructures: A Case-based Approach to Improving Reliability and Resiliency.” In E. Mitleton-Kelly, A. Paraskevas, and C. Day’s (Eds) <i>Handbook of Research Methods in Complexity Science: Theory &amp; Application</i> . Edward Elgar Publishing
2014	Castellani, B. <i>Map of Complexity Science</i> . In “9th Iteration (2013): Science Maps Showing Trends and Dynamics,” <i>Places &amp; Spaces: Mapping Science</i> , edited by Katy Börner and Todd N. Theriault.
2013	Castellani, B., C. Schimpf and F. Hafferty. <a href="#">“Medical Sociology and Case-Based Complexity Science: A User’s Guide.”</a> In Martin and Sturmburg (Eds) <i>Handbook Of Systems and Complexity in Health</i> . Springer. pp. 521-535.
2012	Hafferty, F. and B. Castellani. “Theories of Social Relations.” In Olle Sahler and John Carr’s (Editors.) <i>The Behavioral Sciences and Health Care, 3rd Edition</i> , Cambridge MA: Hogrefe & Huber Publishers.

2010	Hafferty, F.W. and Castellani, B. " <a href="#">The Two Cultures of Professionalism: Sociology and Medicine.</a> " In <i>The Handbook of Health, Illness and Healing: Blueprint for the 21<sup>st</sup> Century</i> , Bernice Pescosolido, Jack Martin, Jane McLeod, and Anne Rogers (ed.). New York: Springer.
2009	Hafferty, F.W. and Castellani, B. "The Hidden Curriculum: A Theory of Medical Education" In <a href="#">Handbook of the Sociology of Medical Education</a> , Caragh Brosnan and Brian S. Turner (eds.). London: Routledge.
2006	Castellani, B. and F. Hafferty. " <a href="#">The Complexities of Professionalism: A Preliminary Investigation.</a> " In Delese Wear and Julie Aultman's (Editors) <i>Professionalism in Medicine: Critical Perspectives</i> . Kluwer Academic Publishers.
2006	Hafferty, F and B. Castellani. "Medical Sociology." In Clifton Bryant and Dennis Peck's (Editors) <a href="#">Handbook of 21<sup>st</sup> Century Sociology</a> . California: Sage.
2004	Castellani, J. and B. Castellani. "Data Mining Process and Analysis Strategies for Special Education Technology Decision-Making." In D. Edyburn, K. Higgins, & R. Boone (Editors), <a href="#">Handbook of Special Education Technology</a> . Milwaukee, WI: Knowledge by Design, Inc.

### Invited Commentaries

Year	Article or Book Chapter
2014	Castellani, B. " <a href="#">Complexity and the Failure of Quantitative Social Science.</a> " <i>Discover Society</i> .
2014	Castellani, B. " <a href="#">Fifteen Years a Complexity Scientist.</a> " <i>Theory, Culture &amp; Society</i> .
2010	Castellani, B. "Complexity Art: An Introduction to the work of Damon Soule." In Mars-1, Edonna, Vernon, Matsuyama, Soule, Choong Lee and Hardgrave's <i>Further</i> . New York.
2001	Castellani, B. "Is Pathological Gambling Really a Problem?—You Bet!" <i>Psychiatric Times</i> , 28(20):64-66.
1995	Rugle, L., and B. Castellani. "Understanding and Treating Pathological Gambling." <i>Treatment Today</i> , 7(3), 7-9.

### Book Reviews

Year	Article
2013	Castellani, B. " <a href="#">The Transformation of Contemporary Healthcare: The Market, the Laboratory, and the Forum by Tiago Moreira.</a> " April 2013, <i>Sociology of Health and Illness</i> .
2012	Castellani, B. " <a href="#">Social Understanding: On Hermeneutics, Geometrical Models and Artificial Intelligence (Theory and Decision Library A:).</a> " <i>Journal of Artificial Societies and Social Simulation</i>
2010	Castellani, B. " <a href="#">A Review of Mind and Society: Special Issue on Social Simulation, Volume 8, Number 2, 2009.</a> " <i>Journal of Artificial Societies and Social Simulation</i> .
1996	Castellani, B. Adolescent Gambling, Is It a Problem? A Review of a Recent Book by Griffiths. <i>Addiction</i> , 91(10): 1556-1557.

### Educational Websites, Software Apps and Blogs

Name	Hits	Time period
<a href="#">Sociology and Complexity Science Blog (Blog)</a>	<b>206,438</b>	2010 to 2017
<a href="#">Map of the Complexity Sciences (Website)</a>	<b>198,000</b>	2009 to 2017
<a href="#">Social Complexity (Wikipedia Entry)</a>	<b>40,829</b>	2015 to 2017
<a href="#">Case-Based Modeling and the SACS Toolkit (Website)</a>	<b>4,784</b>	2016 to 2017

<a href="#">COMPLEX-IT, a freeware R-Studio App (Website)</a>	<b>142</b>	Oct 2017
<a href="#">Complexity in Health and Infrastructure Group (Website)</a>	no stats	2014 to 2017

## RECENT GRANT ACTIVITY

### Awarded Grants

<i>Year</i>	<i>Grant</i>	<i>Award</i>
2018	Current: With Nigel Gilbert (University of Surrey) as PI, I am part of the team of co-investigators involved in CECAN's newly funded three-year ESRC Centres Transition grant (£1,153,713), of which Durham receives (£19,249).	£19,249
2018	<a href="#">The Ed and Carol Murray Social Justice Seminar: Understanding Regional Complexity</a> (Workshop grant)	\$9,200
2017-2018	<a href="#">CECAN Fellowship: The COMPLEX-IT App: linking agent-based and case-based modeling for ex-post evaluations and counterfactual analysis.</a> (Fellowship grant)	£10,000
2017	<a href="#">COMPLEX-IT and the SACS TOOLKIT: A Case-Based Computational Modeling Platform for Data Mining Complex Issues in Policy and Evaluation</a> (Travel grant)	£1,000
2016	<a href="#">Systems Science Scholar Award, Robert Wood Johnson Foundation/Academy Health</a> (Travel grant)	\$1,400
2016	<a href="#">7<sup>th</sup> ESRC Research Methods Festival, University of Bath</a> (Travel grant)	£1,400
2014	<b>(Co-PI)</b> Exploring the use social network analysis to understand faculty development impacts. <i>AMEE Research Grant, 2014-2015</i> , (PI) Lief S, Department of Psychiatry, University of Toronto Medical School (Research grant)	\$15,295
2013	<b>(Co-PI)</b> <a href="#">Complexity and Method in the Social Sciences: An Interdisciplinary Approach.</a> Research Seminars Competition 2012-2013. Economic and Social Research Council, (PI) Emma Uprichard, Centre for Interdisciplinary Methodologies, Warwick University. (Seminar grant)	£29,603
2013	(Co-PI) Controlling Community Health across Time: Cases, Regions and Densities versus Nodes, Sub-graphs and Networks) <i>Strategic Award, the Warwick Research Development Fund, Warwick University</i> , (PI) Emma Uprichard, Centre for Interdisciplinary Methodologies, Warwick University. (Research grant)	£9,709
2013	<b>(Co-PI)</b> Complexity and Case Based Methods Research <i>Development Award, Warwick Research Development Fund, Warwick University</i> , (PI) Emma Uprichard, Centre for Interdisciplinary Methodologies, Warwick University. (Research grant)	£2,647
2010	<b>(PI)</b> Field Experience to Establish a Center for Complexity in Health. Professional Development Award, Regional Campuses, Kent State University. (Center grant)	\$10,000
<b>8 Year TOTAL =</b>		<b>£81,568</b>

### Consultant

<i>Year</i>	<i>Grant</i>	<i>Award</i>
2011-2013	<b>(Consultant) YEAR 2</b> of <i>Stress Resilience in Virtual Environments: The STRIVE Project</i> . Principal Investigator: J. Galen Buckwalter. The Telemedicine and Advanced Technology Research Center (TATRC), U.S. Army Medical Research and Materiel Command (USAMRMC).	\$1,250,000

2012	(Consultant) Office of Naval Research Stress Sensing Project. Principal Investigator: J. Galen Buckwalter. Office of Naval Research.	\$850,000
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## Reviewer

Year	Grant
2012 to present	<a href="#">Horizon 2020: The EU Framework Programme for Research and Innovation</a>
2014	<a href="#">National Science Foundation, Cultural Anthropology</a>
2014	Alberta Gambling Research Institute
2014	Università degli Studi di Macerata, International Research Office, Italy
2014	ESRC Future Research Leaders (Early Scholars Award), UK.
2013	“Partnership University Fund,” through the Office for Science & Technology (OST) of the Embassy of France in the United States of America

## PRESENTATIONS

### Recent Invited Addresses

Year	Presentation
2017	Presentation at CECAN (Centre for the Evaluation of Complexity Across the Nexus) July 7 <sup>th</sup> , University of Surry. Title: <u>COMPLEX-IT and the SACS TOOLKIT: A Case-Based Computational Modeling Platform for Data Mining Complex Issues in Policy and Evaluation</u>
2017	Presentation at CECAN (Centre for the Evaluation of Complexity Across the Nexus) July 7 <sup>th</sup> , London. Title: <u>Addressing Complexity in Nexus Issues: A Case-Based Approach to Evaluation Research</u>
2016	Presentation at the Academy Health Conference, Boston MA, June. Title: <u>You Can Improve Health by Modeling It As Complex.</u>
2014	Keynote Speech “Modeling Complexity: A Case-Based Density Approach.” <i>Simplifying Assumptions in Models of Complex Systems: Break, Make Justify</i> , University of Birmingham, 7 May 2014.
2014	Keynote Speech <i>10th Annual Alberta Gambling Research Institute's Conference</i> . Banff, Alberta, April 4 and 5, 2014.
2013	Castellani, B and R. Rajaram 2013. “Modeling Big Data Longitudinally: The Importance of Cases, Densities, Trajectories, and Complexity.” Invited presentation at the <i>Centre for Interdisciplinary Methodologies, Warwick University</i> . November 2013
2013	Castellani, B and R. Rajaram 2013. “Managing the Dynamical Complexities of Community, Place and Health: Control Theory, Network Science, Case-Based Modelling and Complexity Theory.” <i>Centre for Interdisciplinary Methodologies, Warwick University</i> . August 2013.
2012	Master Class on Complexity run with David Byrne, <i>School of Applied Social Sciences Seminar Series 2012-2013</i> , Durham University.
2011	Invited to be the guest speaker and complexity methods expert for the <i>National Board of Internal Medicine (ABIM) Foundation's Roundtable on Professionalism in Practice</i> , Philadelphia, PA.
2011	Invited in summer 2011 to co-chair a pre-conference session in Vienna on complexity science and medical education at the <i>2011 Association for Medical Education in Europe Conference</i> .
2011	Invited, spring 2011, to present on the SACS Toolkit at the <i>Eighth International Conference on Complex Systems</i> , hosted by the <i>New England Complex Systems Institute (NESI)</i> , Boston, MA.
2001	Castellani, B. 2001 Development of Professionalism: Curriculum Matters. <i>Joint Meeting of the Association for Surgical Education and the Association of Program Directors in Surgery</i> . Nashville, Kentucky, USA (Spring 2001).

## Conference Presentations

<i>Year</i>	<i>Presentation</i>
2018	Castellani, Brian. Castellani, Brian. "Linking agent-based and case-based modeling for ex-post evaluations and counterfactual analysis." CECAN Intra-project Meeting and Workshop. March
2018	Castellani, Brian. "Advancing case-based methods and QCA for modeling dynamics." <a href="#">CECAN Policy Evaluation for a Complex World</a> , July.
2018	Castellani, Brian. "The complexity perspective and why dynamic patterns are important." 8 <sup>th</sup> <a href="#">ESRC Research Methods Festival, University of Bath</a> , July.
2017	Castellani, Brian. "The COMPLEX-IT App for modeling social complexity." <a href="#">CECAN International Symposium on Complexity Approaches to Evaluate Global Nexus Policy Challenges</a> , November.
2016	Castellani, Brian. " <a href="#">Complexity, Cases and Health</a> ." 7 <sup>th</sup> ESRC Research Methods Festival, University of Bath, July.
2014	Castellani, Brian 2014. "Modeling Complex Systems: A Case-Based Complexity Approach." <a href="#">European Conference on Complex Systems, Lucca Italy</a>
2013	Byrne, David, B. Castellani and E. Uprichard 2013. " <a href="#">Understanding Complex Social Systems: The Use of Multiple Methods to Provide Multiple Perspectives</a> ." 7 <sup>th</sup> <i>Annual European Consortium Political Research, Bordeaux France</i> .
2012	Hafferty, F and B. Castellani 2012. "Medical School Mission Statements: An Analysis of Behavioral Science Themes." Association for the Behavioral Sciences and Medical Education, 42 <sup>nd</sup> Annual Meeting, San Antonio, TX, October 4-6, 2012.
2011	Castellani, et al 2011. "Complexity, Professionalism and the Hidden Curriculum in Medical Education." Pre-Conference Workshop, at the International Association for Medical Education Conference, Vienna, Austria.
2011	Castellani, B and R. Rajaram 2011. "Case-Based Modeling and the SACS Toolkit: A Mathematical Outline." Eighth International Conference on Complex Systems, hosted by the New England Complex Systems Institute (NESI), Boston, MA, June 6 <sup>th</sup> .
2010	Castellani, B. and J. Castellani 2010. "The Reflexive Strengths of the SACS Toolkit for Modeling Complex Systems. International Sociological Association Meetings, 2010, Gothenburg, Sweden.
2010	Hafferty, F and B. Castellani 2010 "Professionalism and Mayo: An Opportunity to Redefine the Future of Medicine," Department of Medicine Grand Rounds and The S. Brenndan Moore Annual Lecture, Mayo Clinic, Rochester, MN, January 25, 2010.
2010	Hafferty, F., Castellani B., and Antiel 2010 "New Tools for Mapping Medicine's Modern Day Professionalism Movement," Faculty of Medicine, McGill University, Montreal, Canada, February 4, 2010.
2010	Hafferty, F., and B. Castellani 2010. "Decoding the Learning Environment of Medical Education: A Hidden Curriculum Perspective on Faculty Development as a Process of Tacit Learning." Background paper for a conference on <i>A 2020 Vision of Faculty Education Development Across the Medical Education Continuum</i> , Baylor College of Medicine, Houston, TX, February 26, 2010.
2009	Hafferty, F. and B. Castellani 2009 "The Complexities of Professionalism: A Research Agenda," Presentation in preparation for a special Flexner Centennial Issue of Academic Medicine, Association of American Medical Colleges, Washington, D.C., April 20, 2009
2009	Castellani, B. Hafferty, F and Ball, M. "The SACS Toolkit: E-Social Science from a Systems Perspective." Sociocybernetics Conference, Urbino Italy, June 2009.

2008	Castellani, B. "Pareto, Schelling and Social Mobility: Addressing the U.S. Housing/Financial Crisis." ICAM Conference, <i>Center for the Study of Complex Systems</i> , Department of Physics, <i>University of Michigan</i> , Ann Arbor MI, November 2008.
2008	Hafferty, FW and Castellani, B. "Using Social Network Analysis to Study Medical Education." <i>Pritzker School of Medicine</i> , October 24, 2008.
2008	Hafferty, FW and Castellani, B. "Professionalism as a Social Movement." <i>American College of Physicians: Internal Medicine</i> 2008, Washington, D.C., May 15, 2008.
2007	Castellani, B. "The Sociology and Complexity Website: An E-learning Tool for Social Scientists." ICAM Conference, <i>Center for the Study of Complex Systems</i> , Department of Physics, <i>University of Michigan</i> , Ann Arbor MI, November 2007.
2007	Hafferty, FW and Castellani, B. "Professionalism and the Hidden Curriculum." <i>Brody School of Medicine</i> , Greenville, NC, January 15, 2007.
2007	Hafferty, FW and Castellani, B. "The Hidden Curriculum: A Faculty Development Workshop." <i>Mayo Medical School</i> , Rochester MN, April 17, 2007.
2007	Hafferty, F. and B. Castellani. 2007. "Exploring Professionalism: A Workshop for Fourth Year Medical Students." <i>Northeastern Ohio University College of Medicine</i> , Ohio.
2005	Castellani, B. 2005 Greed and the American Dream of Success. <i>Seven Deadly Sins Series</i> . Kent State University, Ashtabula Campus, Ashtabula, Ohio, USA. (Spring 2005).
2005	Castellani, B. 2005. "The Sociology of Complexity: Tools for 21 <sup>st</sup> Century Sociology." <i>Society for the Study of Symbolic Interactionism Conference</i> . Philadelphia, PA.
2003	Castellani, B. 2003. "Teaching Culture to Medical Students." <i>The Felix Padilla Conference on Teaching Diversity in Higher Education</i> , KSU, Ashtabula.
2002	Castellani, B., and F. Hafferty 2002. "The New Professionalism in Medicine: What Medical Sociology Has to Offer." Organizer and Presenter. <i>The Annual American Sociology Association Meetings</i> . Chicago: Illinois.
2001	Hafferty, F., Eckenfelds, E., Castellani, B., and Calderon, J. 2001. The Perils of Becoming an Altruistic Physician: The "Me" Generation Enters Medical School." <i>The 30<sup>th</sup> Annual Meeting of the Association for the Behavioral Science and Medical Education</i> . Cape Cod
2000	Castellani, B. and D. Deckert 2000. What Does Culture have to do with Mental Health? <i>The 29<sup>th</sup> Annual Meeting of the Association for the Behavioral Science and Medical Education</i> . Santa Fe, New Mexico.
2000	Castellani, B. J. Varley, and D. Deckert 2000. Isn't Cultural Sensitivity Just Competent Psychiatry?: Teaching Culture to Psychiatry Residents. <i>The 29<sup>th</sup> Annual Meeting of the American Association of Directors of Psychiatric Residency Training</i> . Puerto Rico
1999	Castellani, B. and S. Lee Spray 1999. Decentralization and the Professional Practice of Medicine. <i>The Annual American Sociology Association Meetings</i> . Chicago: Illinois.
1999	Calderon, Jose, Fred Hafferty, Brian Castellani, Kenneth Wolf, Nancy Chin, and Alicia Monroe 1999. AIME: Development of a Template for Auditing the Preparedness of Medical Schools to Conduct Programs in Cultural Diversity. <i>28th Annual Meeting of the Association for the Behavioral Science and Medical Education</i> . Savannah, Georgia.
1999	Castellani, B. and B. Minogue 1999. "Managed Care and Foregoing Treatment." <i>Annual Bioethics Network of Ohio (BENO) Conference</i> . Cleveland, Ohio.
1998	Castellani, B and P. Hartung 1998. Preparing Medical Students for Careers in the Changing Health Care Context. <i>27th Annual Meeting of the Association for the Behavioral Science and Medical Education</i> . Jackson Hole, Wyoming.
1998	Castellani, B. 1998. Pathological Gambling: A Case Study in the Sociology of Knowledge. <i>The Annual American Sociological Association Meetings</i> . San Francisco: California.
1998	Castellani, B. 1998 Pathological Gambling in Historical Context. <i>The 12th National Conference on Problem Gambling</i> . Las Vegas: Nevada.
1998	Castellani, B. 1998. Pathological Gambling, the Making of a Medical Problem. <i>The 5th Annual Florida Conference on Compulsive Gambling</i> . Orlando, Florida.



1997	Castellani, B. 1997. Pathological Gambling, the Birth of a New Medical Object of Investigation. <i>The 22nd Annual Meeting of the Association for Humanistic Sociology</i> . Pittsburgh, PA.
1997	Castellani, B. 1997. Discursive Negotiations: A New Theory of Knowledge. <i>Society for the Study of Symbolic Interactionism Conference</i> . Toronto, Canada.
1997	Castellani, B. 1997. "Constructing the Classroom as a Postmodern, Student-Run Government." <i>The Annual American Sociological Association Meetings</i> . Toronto, Canada.
1996	Castellani, B. 1996. "Humanistic Teaching Methods." <i>The 21st Annual Meeting of the Association for Humanistic Sociology</i> . Hartford, Connecticut.
1996	Castellani, B. 1996. "Symbolic Interaction and the Postmodern Terrain." Discussant for four papers by Stanford Lyman, Douglas Kellner, Jonathan Epstein, and Simon Gottschalk. <i>Society for the Study of Symbolic Interactionism Conference</i> . New York.
1996	Castellani, B. 1996. "Are the Rules of Engagement Between Philosophy and the Social Sciences Hostile or Friendly: Comments from a Sociologist of Knowledge." <i>The 3rd Annual Kent State University May 4th Philosophy Graduate Student Conference</i> .
1995	Castellani, B. 1995 "Interpretive Archeology: Knowledge, Power, and Social Practice." <i>The Association for Humanistic Sociology Conference</i> . Columbus, Ohio.
1994	Castellani, B. and F. Falk 1994. "Smoothing Polynomials Using Partial Least Squares Estimates." <i>The Midwest Sociological Association Conference</i> . St. Louis, Missouri.
1994	Castellani, B. and C. Ritter 1994. "Interaction Terms: Using Partial Least Squares Estimates." <i>The Midwest Sociological Association Conference</i> . St. Louis, Missouri.

### HONORS AND AWARDS

- 2013 Complexity Map was selected to become part of the Science Maps Showing Trends and Dynamics (2013) for the [Places & Spaces: Mapping Science](#)
- 2012 Nominated for the Outstanding Scholar of the Year Award, Kent State University
- 2010 Nominated by the Provost of Kent State University to represent Kent State University in the *2010 Carnegie Foundation for the Advancement of Teaching U.S. Professors of the Year Award*.
- 2010 Received the *Academic Medicine Classics Award* (given by the journal to its highest citation articles) for my article "The Development of Professionalism: Curriculum Matters"
- 2003 Inducted into the *Kent State University Chapter* of the *Golden Key International Honor Society*.
- 2002 Nominated for the *Arts and Sciences Distinguished Teacher Award*.
- 2002 *Faculty of the Year Award* at Kent State, Ashtabula.

### TEACHING

#### Introductory Courses

Introduction to Sociology (SOC 12050)

#### Health/Medical Sociology Courses

Sociology of Health and Health Care (SOC 42563)  
 Culture and Psychiatry (Psychiatry Residency Program, Northeast Ohio Medical University)  
 Sociology of Mental Health  
 Drugs in Society  
 Community Health Science Practicum (Northeast Ohio Medical University)

#### Methods and Methodology Courses

Special Topics: Complexity Science and Method (SOC 42905)  
 Statistics/Data Analysis (SOC 32220)  
 Epidemiology and Biostatistics (Northeast Ohio Medical University)  
 Advanced Data Analysis (SOC 42224)

Sociological Analysis (SOC 22100)  
Researching Society (SOC 32210)

### **Theory Courses**

Sociological Theories (SOC 42126)

### **Social Psychology Courses**

Individual and Society (SOC 32400)

### **Globalization/International Studies Courses**

Global Social Problems (SOC 22778)

### **Recent Dissertations and Theses**

- Doctoral Candidate, Glasgow Caledonian University (Keith Baker Committee Lead), 2018
- Doctoral Candidate, Bamberg University (Lasse Gerrits Committee Lead), Germany, 2018
- Diana Kingsbury, Doctoral Candidate, Public Health, Kent State University, 2017
- Corey Schimpf, Doctoral Candidate, Systems Engineering, Purdue University 2015
- Scot Tribuzi, Doctoral Candidate, Hospitality Management, Kent State University, 2015
- Salem Othman, Doctoral Candidate, Computer Science, Kent State University, 2014
- Victor Lee, Doctoral Candidate, Computer Science, Kent State University 2012
- David Skubby, Doctoral Candidate, Sociology, University of Akron, 2011
- Corey Schimpf, Masters Candidate, Sociology, Purdue University 2010

## **SERVICE ACTIVITIES**

### **University Committees:**

- Member, Provost Advisory Committee for Regional Campus Reappointment, Tenure and Promotion (2007-2010, 2013 – 2014)
- Vice-Chair, Regional Campus Faculty Advisory Committee (2010)
- Member, Regional Campus Faculty Advisory Committee (2007-2010, 2013 – present)
- Member, KSU Diversity Council (2003 – 2006)

### **Campus Committees:**

- Chair, Faculty Council, KSU Ashtabula—(2007-2010, 2013-2014)
- Member, Regional Campus, Faculty Advisory Committee (2007-2010, 2013—Current)
- Chair, RTP Committee (2007-2010, 2013—Current)
- Chair, NTT Reappointment Committee (2007-2010, 2013—Current)

### **Standing Sociology Department Committees:**

- Member, Faculty Advisory Council, Sociology Department (2005 – 2007 & 2011- 2013)
- Member, RTP Committee (2012 – present)
- Member, Department Integration Committee for Sociology and Criminal Justice (2010)
- Member, Online Learning Committee (2009)

### **Organizing Committee for Conferences and Seminars**

- (2018) [The Ed and Carol Murray Social Justice Seminar Understanding Regional Complexity: Advocating, Creating and Transporting Change Across the Nexus](#). Organizing Committee.
- (2014) [The first International Conference on Systems and Complexity in Health](#). Co-hosted by Georgetown University Medical Center, November 13-14, 2014.

- (2013 to 2015) [ESRC Seminar on Complexity and Method in the Social Sciences: An Interdisciplinary Approach](#). Three-year seminar (three times a year), which we held at University of Warwick, based on an ESRC grant that my UK colleagues and I received. Organizing Committee, with Emma Uprichard and David Byrne

### **Editorial Boards**

- [Routledge, Complexity in Social Science Series](#)
- [International Journal for Social Research Methods](#)
- [Complexity Governance and Networks](#)

### *Recent Ad hoc reviews*

Complexity  
Journal of Artificial Societies and Social Simulation  
Milbank Quarterly  
Sociology of Health and Illness  
Social Science and Medicine  
Academic Medicine  
Addiction  
Political Studies  
Psychiatry Research  
Qualitative Health Research  
Symbolic Interaction