

TIMOTHY (Tim) R. HANNIGAN

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EDUCATION

- D.Phil. (PhD) Management Research, Said Business School, University of Oxford (2013)
- Visiting research student in residence, Northwestern University (2012)
- Master of Science in Analysis, Design and Management of Information Systems, *with Distinction* London School of Economics and Political Science, (2007)
- Bachelor of Arts (*Hons*), Economics and Computer Science, Queen's University, Kingston, Canada (2005)

ACADEMIC APPOINTMENTS

- Associate Professor of Organization Theory and Entrepreneurship, Alberta School of Business, University of Alberta (2022-Current)
- Co-Coordinator of the Interpretive Data Science (IDeaS) Group, Alberta School of Business (2018-Current)
- Visiting Professor (during sabbatical) at University of Ottawa's Telfer School of Management (2023)
- Assistant Professor of Organization Theory and Entrepreneurship, Alberta School of Business, University of Alberta (2015-2022)
- Postdoctoral Research Fellow, Oxford Centre for Corporate Reputation, Said Business School, University of Oxford (2013-2015)

RESEARCH AND TEACHING INTERESTS

Organizational Theory, Early Moments, Field and Market Emergence, Technology and Innovation Strategy, Entrepreneurial Ecosystems, Blockchain, Scandal, Organizational Wrongdoing, Topic Modeling.

RESEARCH PUBLICATIONS

- Pozner, J.E. & Hannigan, T.R. (In Press), How relational publics become a scandal audience: values and the creation of scandal. *Organization Theory*.
- Gamache, D., Devers, C., Klein, F., & Hannigan, T.R. (2023). Shifting perspectives: How scrutiny shapes the relationship between CEO gender and acquisition activity. *Strategic Management Journal*.
- Hannigan, T.R. (2023). Relational publics: studying organizational possibilities. *Organization Studies*.
- Hannigan, T.R., Pak, Y., & Jennings, P.D. (2022). Mapping the multiverse: A cultural cartographic approach to realizing entrepreneurial possibilities. In Lockwood, C, & J.-F. Soublière (eds.), *Research in the Sociology of Organizations*.

- Jennings, P.D., Hannigan, T.R., & Jennings, J.E. (2022). Introduction – “Reversing Entrepreneurship’s Arrow”: The Metaphor’s Model and Research Implications. *Research in the Sociology of Organizations*.
- Hannigan, T.R., Briggs, A., Valadao, R., Seidel, MD., Jennings, P.D. (2021). A new tool for policymakers: Mapping cultural possibilities in an emerging AI entrepreneurial ecosystem. *Research Policy*.
- Hannigan, T.R., Wang, M.S., Steele, C.W.J., Seidel, M.D.L., Cervantes, E., Jennings, P.D. (2020). A community-based sociocultural network approach to controlling COVID-19 contagion: Seven suggestions for improving policy. *Behavioral Science & Policy*.
- Seidel, V. P., Hannigan, T.R., & Phillips, N. (2020). Rumor Communities, Social Media, and Forthcoming Innovations: The Shaping of Technological Frames in Product Market Evolution. *Academy of Management Review*, 45(2), 304–324.
- Hannigan, T.R., Haans, R.F.J., Vakili, K., Tchaljian, H., Glaser, V.G., Wang, M., Kaplan, S., & Jennings, P.D. (2019). Topic Modeling in Management Research: Rendering New Theory from Textual Data. *Academy of Management Annals*, 13(2), 586-632.
- Hannigan, T.R., Seidel, V.P., Yakis Douglas, B. (2018). Product innovation rumors as forms of open innovation. *Research Policy*, 47, 953–964.
- Hannigan, T. R., & Casasnovas, G. (2021). New structuralism and field emergence: The co-constitution of meanings and actors in the early moments of social impact investing. In C. W. J. Steele, T. R. Hannigan, V. Glaser, M. Toubiana, & J. Gehman (eds.), *Macrofoundations: Exploring the institutionally situated nature of activity* (Research in the Sociology of Organizations, 68, pp. 147–183). Bingley: Emerald Publishing.
- Steele, C. & Hannigan, T.R. (2021). Integrating and complicating the micro- and macro- ‘foundations’ of institutions: towards a more optometric institutionalism and an institutionalist optometry. In C. W. J. Steele, T. R. Hannigan, V. Glaser, M. Toubiana, & J. Gehman (eds.), *Macrofoundations: Exploring the institutionally situated nature of activity* (Research in the Sociology of Organizations, 68, pp. 19-46). Bingley: Emerald Publishing.
- Steele, C., Hannigan, T.R., Toubiana, M., Glaser, V., & Gehman, J. (2020). Macrofoundations: Exploring the Institutionally Situated Nature of Activity. In C. W. J. Steele, T. R. Hannigan, V. Glaser, M. Toubiana, & J. Gehman (eds.), *Macrofoundations: Exploring the institutionally situated nature of activity* (Research in the Sociology of Organizations, 68, pp. 3-16).
- Glaser, V.L., Valadao, R. & Hannigan, T.R. (2021) *Algorithms and Routine Dynamics*, in Cambridge Handbook of Routine Dynamics.
- Hannigan, T.R. (2016). *Categories and reputation*, in SAGE Encyclopedia of Corporate Reputation. SAGE publications
- Hannigan, T.R. (2015). *Close encounters of the conceptual kind: Disambiguating social structure from text*. *Big Data & Society*, 2(2)

CONFERENCE ORGANIZING, PAPER PRESENTATIONS

Hannigan, T.R., Jancsary, D., & Zilber, T. “Institutions, Innovation, Impact: How to Conduct Institutional Research that Really Matters”. Convenor for Standing Working Group Sub-theme, EGOS, 2023.

Furnari, S., Gehman, G., Granqvist, N., Hannigan, T.R., Kodeih, F., Logue, D., Zietsma, C. “Addressing the World’s Pressing Challenges with Institutional Theory?” Convenor for PDW, EGOS, 2023.

Presenter, Session Chair. Paper Development Workshop “From Margins to Mainstream: Novel Perspectives on the Emergence of Fields and Markets”, Aalto University School of Business. Helsinki, Finland. 2023

Presenter, Session Chair. Organization Studies Summer Workshop on Utopia and Dystopia, Athens, Greece. 2023

Hannigan, T.R. “Rendering with Varieties of Topic Models”. Telfer Research Seminar Series, University of Ottawa. 2023

Funari, S., Hannigan, T.R., Kirsch, D. A., Ventresca, M., & Villamor, M. “The Social Structure of The Future: Early Moments, Interstitial Spaces and The Possible Histories of Fields and Industries.” Organizer/Presenter, Symposium, AOM, 2022.

Hannigan, T.R. “Narrated Networks: Integrating Network Structure and Content.” Presenter, Symposium, AOM, 2022.

Hannigan, T.R., Jennings, P. D., Kennedy, M., Vergne, J., Porac, J., Aceves, P., Aranda, A. M., & Goldberg, A. “Computational Text Analysis: Value Added to Strategy and Organization Research.” Organizer/Presenter, Symposium, AOM, 2021.

Hannigan, T.R., Briggs, A., Valadao, R., Seidel, M.-D.L., & Jennings, P.D. “A new tool for policymakers: Mapping cultural possibilities in an emerging AI entrepreneurial ecosystem.” Presenter, PDW on Text Data in Innovation Research, AOM 2021.

Hannigan, T.R. “Language, Meaning, and Organizing- Exploring Multi-level Theorizing and Analysis”. Discussion moderator, PDW, AOM 2021.

Eng, N., Pak, Y., Hannigan, T.R., & Jennings, P.D. “Covid Masks as Evolving Boundary Objects In Two Contrasting Cultural Fields”, EGOS, 2021.

Benke, G., Ogden, J., Hannigan, T.R., & Oard, D. “BHC Roundtable: Making Sense of Digital Sources.” Business History Conference 2021. Organizers: Drucker, S., Kirsch, D., Kuppili Venkata, S., & Nix, A.

Song, J.S., Harmon, D., Srivastava, S., Corritore, M., Hannigan, T.R., & Rhee, E.Y. “Co-Construction of Shared Understandings Under Uncertainty: Computational Linguistic Approaches”. Presenter. Symposium, AOM, 2020.

Reger, R., Etter, M., Zavyalova, A., Vaast, E., Barnett, M., Hannigan, T.R., Barros, M., Castello, I. “Broadening our Sight Through Social Media (Data) in Organization and Management.” Facilitator/Presenter, Professional Development Workshop, AOM, 2020.

Mentor, “Content and Text Analysis in Organizational Research: Techniques and Applications”, Professional Development Workshop, AOM, 2020.

Hannigan, T.R., Jennings, P.D., Glaser, V., Haans, R., Tchalian, H., & Valadao, R. “Advances in Topic Modeling: Curating Corpora, Using Structured Models, and Theorizing with Visuals”. Co-organizer/presenter, Professional Development Workshop, AOM, 2020.

Hannigan, T.R. & Valadao, R. “Interpretive Data Science & Topic Modeling” Professional Development Workshop, SAP Community Day, EGOS, 2020.

Co-organizer, Interpretive Data Science Workshop, University of Alberta. October 2019.

Hannigan, T.R., Harmon, D. & Tchalian, H. “Cutting-Edge Linguistic Methods: Taking Stock of Advances in the Systematic Study of Meaning Structures” Co-organizer/moderator, Symposium. AOM, 2019.

Hannigan, T.R. “Content Analysis”. Participant/mentor, Professional Development Workshop. AOM, 2019.

Hannigan, T.R. “Symposium on Social media and social evaluations “Presenter/panelist, Symposium , 2019.

Valadao, R., Glaser, V., Hannigan, T.R., & Steele, C., “Understanding analytics: different methods to investigate the relationship between big data, algorithms, and culture” Co-organizer/moderator, Professional Development Workshop. AOM, 2019

Valadao, R., Glaser, V., & Hannigan, T.R. “Assembling Frankensteins: How the Creation of Provisional Artifacts Routine Dynamics.” Presented by Valadao, R. EGOS, Edinburgh, 2019.

Hannigan, T.R. “Machine learning and Management Research: Topic Modeling”. Presenter, Canadian Conference of Electrical and Computer Engineering, Edmonton, 2019.

Jennings, P.D., Hannigan, T.R., Haans, R., Vakali, K., Glaser, V., Tchalian, H., & Wang, M. “Topic Modeling: A Hands-On Approach to Analysis and Theory Building.” Co-organizer/presenter, Professional Development Workshop. AOM, 2018.

Pozner J-E. & Hannigan, T.R. “Reputation, Role-Conflict, and Scandal: The Impact of Ethical Breaches on Individual Reputations”. Presenter, Professional Development Workshop. AOM, 2018.

Hannigan, T.R., Tchalian, H., Nelson, L. & Kiley, J. “Curating Big Datasets”. Presenter, Academy of Management Big Data Conference, Surrey, UK, 2018.

Hannigan, T.R. & Casasnovas, G. “The Early Moments of Impact Investment.” Presenter, Alberta Institutions Conference, 2018.

Hannigan, T.R. & Haans, R. “Topic Modeling, Teaching & Tips Seminars in Research Methods”. Presenter, SMO Department, University of Alberta, 2017.

Hannigan, T.R., Seidel, V.P., Yakis-Douglas, B. “Product innovation rumours as forms of open innovation” Presenter. West Coast Research Symposium, Edmonton, 2017.

Jennings, P.D., Kaplan, S.K., Hannigan, T.R., Haans, R., Vakali, K., Tchalian, H., Glaser, V., & Wang, M. “Topic Modeling in Quant and Qual Research: A Hands-On Approach”. Co-organizer and Presenter, Professional Development Workshop. AOM, 2017.

Hannigan, T.R., Ventresca, M., Casasnovas, G. & Nyberg, R. “Early Moments: A Toolkit for Institutional Thinking and Analysis”. Presenter. European Theory Development Workshop, Zurich, 2017.

Hannigan, T.R., Ventresca, M., Casasnovas, G. & Nyberg, R. "Early Moments". Presenter. EGOS, 2017.

Hannigan, T.R. & Porac, J. "The process of scandal formation and the role of social control agents." Presenter. EGOS, 2016.

Hannigan, T.R. & Bundy, J. "Making Organizations Meaningful: What's Next in Measurement, Data and Analytic Toolkits?" Presenter, Professional Development Workshop. AOM, 2016.

Pozner J-E. & Hannigan, T.R. "Symposium on Stigma and Legitimacy Loss: Professions, Social Judgments, and Symbols in Crime and Punishment". Presenter, Symposium. AOM, 2016.

Gamache, D., Klein, F., Devers, C. & Hannigan, T.R. "To Buy, Or Not to Buy? The Influence of CEO Gender on Acquisition Investment Behavior Research". Paper presented at AOM, 2016.

Hannigan, T.R. 'Theory Section Author Meets Critics Session. Big Data/Big Theory.' Panel at American Sociological Meetings, August, 2016.

Hannigan, T.R., Yakis-Douglas, B. & Porac, J. "Oxford Conference on Scandals" Co-organizer, presenter, University of Oxford, September, 2015.

Hannigan T.R., Porac J., Wade J., Graffin S. & Bundy J. "The social construction of scandal: The role of the media in the 2009 British Parliamentary expense affair". Paper presented. AOM, 2015.

Hannigan, T.R. "Measuring meaning structures in text analysis for organizational research". Presenter, Dean's Seminar Lecture, Said Business School, University of Oxford, 2014.

Hannigan T.R., Porac J., Wade J., Graffin S. & Bundy J. "Scandal Semantics: Using Text Analytics to Uncover Contaminating and Purifying Media Narratives During the 2009 British MP Expense Scandal." Presenter, All-Academy Symposium on "The Power of Words in Big Data". AOM, August, 2014.

Hannigan, T.R. & Ventresca, M. "Revisiting the Product Ontology." Professional Development Workshop. Chair and co-organizer. AOM, August, 2014.

Hannigan T.R. & Vesco R. "Advanced Content Analysis Techniques". Presenter, Professional Development Workshop on Content Analysis. AOM, August, 2014.

Hannigan T.R. & Porac, J. "The Semantics of Market Rumors and Scandals". Presenter. Columbia-Princeton-NYU Workshop on Computational Text Analysis in Organizational Research at New York University. (Organized by Joseph Porac, Eric Abrahamson, and Paul DiMaggio). 2014.

Hannigan T.R., Ventresca MJ, Seidel VP 'Network Text Analysis of the Pre-history of a Product Market' Presenter, 10th annual Smith Entrepreneurship Research Conference, at the Robert E Smith School of Business, University of Maryland. April, 2014.

TEACHING

Interests

Technology and Innovation Strategy, Entrepreneurship, Interpretive Data Science

Assistant Professor Teaching Experience

- 2021-23 SEM 860 Management of Technology and Innovation. Designed and taught as EMBA course at the University of Alberta.
- 2021-23 SEM 330 The Entrepreneurial Mindset and Innovation. Designed and taught as interdisciplinary course at the University of Alberta.
- 2016-2019 SMO 530, The Entrepreneurial Mindset and Innovation. Designed and taught as interdisciplinary course at the University of Alberta.
- 2019 SMO 704, Doctoral Seminar in Advanced Research Methods, (2019) Created with Dev Jennings and Vern Glaser, a Quantitative Methods II Ph.D. course.
- 2019 SMO 711, Doctoral Seminar in Entrepreneurship. Taught.
- 2016-18 SMO 330, Entrepreneurship 101. Designed. Taught each year.
- 2016-21 SMO 431, New Venture Creation and Organization. Designed. Taught each year.

Post-doctoral Fellowship Teaching Experience

- 2014 Lecturer on *Reputation and Executive Leadership Programme*, Executive Education, Said Business School, University of Oxford.
- 2013 Assessor for *Executive Diploma in Global Strategy*, Executive Education, Said Business School, University of Oxford.
- 2013 Assessor for *Diploma in Organisational Leadership*, Executive Education, Said Business School, University of Oxford.
- 2013 Assessor for *Business History*, 2013, MBA program, Said Business School, University of Oxford
- 2013 Lecturer in Strategic Management, Undergraduate program in Economics and Management, Said Business School and Pembroke College, University of Oxford.
- 2013 Examiner for final exams in General Management, Undergraduate program in Economics and Management, Said Business School, University of Oxford.
- 2013 Doctoral program in Management Research, Said Business School, University of Oxford
Course convener for Graduate Seminar in Strategic Management.
- 2012 Tutor in *Organisational Behaviour*, Christ Church College, University of Oxford & OSAP program.
- 2012 Tutor in *Entrepreneurship*, Magdalen College, University of Oxford & OSAP program.

Doctoral Student Supervision Completed

Rodrigo Valadao, University of Alberta., Ph.D. Supervisor. *Fishing and Meaning Infrastructure: A Novel Lens to Entrepreneurial Search and Realization in Institutional Fields*. 2023

Doctoral Student Supervision or Committee

Yunjung Pak (2019-) Supervisor, Ph.D. Thesis.

Doctoral Dissertation Committee Examinations

Jean-François Soublière. Arms length examiner. 2014
Ke Cao. Arms length examiner. 2018

GRANTS AND AWARDS

- 2023 Schulze Publication Award recipient for article with Michael Lounsbury, “Field of Dreams: Exploration on of Entrepreneurial Possibilities” (EIX.org)
- 2022 SSHRC Insight Grant award #435-2022-0175, The Emerging Blockchain Entrepreneurship Field (PI, \$269,169). (Co-Investigator: Michael Lounsbury).
- 2022 Xerox Canada Faculty Fellowship, University of Alberta (\$15,000)
- 2020 Academy of Management Review Developmental Reviewer Award
- 2019 Special EFF-SAS Grant, Alberta School of Business, University of Alberta, IDEaS workshop.
- 2019 EFF-SAS Grant, Alberta School of Business, University of Alberta.
- 2019 OMT Above and Beyond the Call of Duty reviewing award, Academy of Management Meetings, Boston.
- 2019 Society for the Advancement of Management Studies Grant, Workshop on Data Analysis Methods for Management Research, with Vern Glaser.
- 2018 SSHRC Insight Development Grant, The Cultural Holes of Entrepreneurial Ecosystems (\$58,581)
- 2017 EFF-SAS Grant, Alberta School of Business, University of Alberta, Reputation, Role-Conflict, and Scandal.
- 2015 Pearson Faculty Fellowship, University of Alberta (\$15,000).
- 2015 Best Paper Proceedings for the Academy of Management Meetings, Vancouver, BC. The Social Construction of Scandal: The Role of Media in the British Parliamentary Expense Affair.

MEDIA COVERAGE

- June 21, 2023. “Why businesses leak new product details and how they benefit from these rumours.” Basak Yakis-Douglas & Tim Hannigan, *The Conversation*.
- July 9, 2020. “Staying in grace: Why some people are immune from scandal – until they're not.” Marco Clemente, Jo-Ellen Pozner, Tim Hannigan, *The Conversation*.
- February 27, 2020. “How to shut down the rumour mill – or turn it to your advantage.” Jennifer Lewington, *Globe and Mail Report on Business*

PROFESSIONAL SERVICE

- Active member of OMT, Research Methods at Academy of Management (AoM)
- Active EGOS member
- Interpretive Data Science (IDEaS) Group, Co-Founder, University of Alberta
- Ad hoc Reviewer:
 - *Academy of Management Review, Academy of Management Journal, Administrative Science Quarterly, Research Policy, American Journal of Sociology, Strategic Entrepreneurship Journal, Journal of Business Venturing, Journal of Business Ethics, Sociological Methods and Research, Journal of Management Studies, Organization Science, Organization Studies, Strategic Management Journal, Management Science,*

Strategy Science, Innovation: Organization & Management, Academy of Management Meetings, Western Academy of Management Meetings

- University of Alberta
 - Business Analytics Lab Design Committee (2023-)
 - AI4Society, member (2021)
 - Interpretive Data Science (IDeaS) Group, Co-Founder (2019-)
 - eHub Faculty member (2015-)
 - Sorensen Chair in Biomedical Engineering Advisory Committee, Faculty of Engineering (2018-)
 - Undergraduate Studies Policy Committee (2020-2022)
 - Strategic Management and Organization, Organizer, Weekly Paper Development Workshop (2017-2018) (with Chris Steele, Madeline Toubiana)
- Local activities
 - Active in local professional networks for data science
 - Active in local professional networks for entrepreneurship
 - KPMG Executive Retreat Keynote speaker: “Innovation: ambidexterity and management” (Sept 5 2020)

ADDITIONAL RELEVANT SKILLS AND WORK EXPERIENCES

Computer Sets of Skills

- Statistical packages: *Stata, Python (Pandas, Numpy, Scipy, Matplotlib), R (TidyVerse, ggplot2)*
- Network Analysis: *iGraph (R/Python), NetworkX (Python), Gephi*

Work Experience

- Rizzard LTD, Chief Technical Officer, Cofounder and company director, London, UK (2007)
- ViewMyTV, Head of Online Advertising Platform, London, UK (2007)
- Queen’s University, Manager of Electronic Communications (Department of Marketing and Communications), Kingston, ON (2005-2006)