

# Jens Koed Madsen – Curriculum Vitae

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## Academic positions and affiliations

- 2020-present Course Tutor of Cognitive Psychology (senior Teaching and Research position), *London School of Economics* (LSE), Department of Psychological and Behavioural Science
- 2020-present External member of the Complex Human-Environmental Systems Simulation Laboratory, *University of Oxford* (OX)
- 2016-20 Post-Doctoral Research Assistant, OX (job: Bayesian Optimization and Behavioural Decision-Making), *School of Geography and the Environment*
- 2016-20 Fellow at Oxford Martin School, Institute of New Economic Thinking, and Oceans Sustainability, OX
- 2017-19 Research Associate at St Catherine's College, OX (2-year fixed-term contract, job: mentoring students)
- 2014-16 Post-doctoral Fellowship at Birkbeck College, University of London (BBK), see 'research grants'
- 2013-14 12-month lectureship in Psychology at BBK (sabbatical cover)

## Educational background

- Dec. 2013 PhD in Cognitive Perceptual, and Brain Sciences, University College London (UCL, thesis title: *Prolegomena to a Theory and Model of Persuasion Processing: A Subjective-Probabilistic Interactive Model of Persuasion*)
- Jun. 2012 MA in Rhetoric at the University of Copenhagen (KU, dissertation title: *Practical argumentation: The limits of formal logic and the introduction of the Bayesian approach in practical argumentation and rhetoric*)<sup>1</sup>
- Sep. 2010 MRes in Speech, Language, and Cognition at UCL (dissertation title: *Persuasion Theory and Analysis: Mentalizing and Pragmatics as Supplementary Concepts*)
- Jun. 2009 BA Graduate student of rhetoric at KU (dissertation title: *Rhetorical Argumentation and Logical Inadequacies: An essay on logical and practical argumentation in rhetorical theory*)
- 2008-09 Erasmus student, UCL (3<sup>rd</sup> year of undergraduate degree in rhetorical theory)

## Research grants and awards

- 2020 Lorentz Grant to host the workshop *Computational modelling of social complexity in argumentation* (see 'conferences/workshops organised'). Grant: € 3125 // £ 2785
- 2014-16 Individual Post-Doctoral Fellowship Award from the Danish Council for Independent Research in Humanities (FKK), *The Role of Content Strength and Source Credibility in Campaigns Combatting Obesity*, DKK: 1.387.400 // £ 153.379 (grant ID: DFF-1329-00021B), grant awarded to 15 out of 108
- 2014 Shortlisted for Sapere Aude – Danish Council for Independent Research talent award, FKK
- 2010-13 Multiple scholarships and awards from various foundations in support of PhD and MRes, total grant: DKK: 400.000 //£ 45.215 (see 'individual awards, scholarships, and grants')

Total grant awarded: £201.379

## Books

- Madsen, J. K. (2019) *The Psychology of Micro-Targeted Election Campaigns*, Palgrave Macmillan [i-xiv; pp. 395], ISBN: 978-3-030-22144-7, DOI: 10.1007/978-3-030-22145-4
- Madsen, J. K. (2013) *Prolegomena to a Theory and Model of Persuasion Processing: A Subjective-Probabilistic Interactive Model of Persuasion (SPIMP)*, PhD Thesis (monograph), University College London [pp. 386]

## Peer-reviewed publications under review

- Arton, A., Carrella, E., Bailey, R. & Madsen, J. K. (XXX) Triggering the tragedy: The simulated effects of alternative fisher goals on marine fisheries and fisheries policy, *Ecological Modelling*
- Madsen, J. K., Ekawaty, R.,... Saul, S. [10 authors] Understanding fisher behaviour: The case of snapper fishers in Indonesia, *Marine Resource Economics*
- Madsen, J. K., Powers, B., Bailey, R., Carrella, E., Payette, N. & Pilditch, T. (XXX) Modelling adaptive and anticipatory human decision-making in complex human-environment systems, *PNAS*
- Oberhauser, D. & Madsen, J. K. (XXX) Modelling the effectiveness of Payment for Ecosystems Services: Farm expansion and human-wildlife conflict in Namibia a Case Study, *Environmental Software & Software*
- Pilditch, T. & Madsen, J. K. (XXX) The role of broadcaster strategies in shaping beliefs in complex information systems, *PLoS One*

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<sup>1</sup> I wanted to complete the formal training in rhetoric (a five-year program in Denmark), so I completed the masters in rhetorical theory alongside my PhD (2010-2013) from 2010-2012 – hence the overlap of years.

### Peer-reviewed journal publications [23]

- Pilditch, T. & Madsen, J. K. (2021) Targeting *your* preferences: Modelling micro-targeting for an increasingly diverse electorate, *Journal of Artificial Societies and Social Simulation* 24 (1)
- Burgess, M., Carrella, E.,... Madsen, J. K. et al [23 authors in total] (2020) Opportunities for agent-based modeling in fisheries social science, *Fish & Fisheries* 21 (3), 570-587
- Carrella, E., Bailey, R. M. & Madsen, J. K. (2020) Calibrating Agent-Based Models with Linear Regressions, *Journal of Artificial Societies and Social Simulation* 23 (1), 1-7.
- Carrella, E., Saul, S., Marshall, K., ...Madsen, J. K., ...Dorsett, C. [10 authors] (2020) Simple adaptive rules describe fishing behaviour better than perfect rationality in the US West Coast Groundfish fishery, *Ecological Economics* 169, 106449
- Connor, S., Madsen, J. K. & Pilditch, T. (2020) The rational continued influence of misinformation, *Cognition* 205, 104453
- Madsen, J. K., Hahn, U., & Pilditch, T. D. (2020). The impact of partial source dependence on belief and reliability revision. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46 (9), 1795–1805.
- Madsen, J. K., Koralus, P., Bailey, R. & Carrella, E. (2020) From reactive toward anticipatory fishing agents, *Journal of Simulation*, DOI 10.1080/17477778.2020.1742588
- Neil, E., Madsen, J. K., Bailey, R., Carrella, E. & Payette, N. (2020) Bridging the gaps: Agent-based modelling for elephant poaching mitigation, *Ecological Modelling* 427, 109054
- Siebers, P-O., Herath, D. B... Madsen, J. K... & Secchi, D. (2020) On the Quest for Defining Organisational Plasticity: A Community Modelling Experiment, *Evidence-Based HRM* #2049-3983
- Carrella, E., Bailey, R. M. & Madsen, J. K. (2019) Repeated discrete choices in geographical agent-based models with an application to fisheries, *Environmental Software & Software* 111, 204-230
- Lewandowsky, S., Pilditch, T. D., Madsen, J. K., Oreskes, N. & Risbey, J. S. (2019) Seepage and influence: An evidence-resistant minority can affect scientific belief formation and public opinion, *Cognition* 188, 124-139
- Madsen, J. K. (2019) Voter Reasoning Bias when Evaluating Statements from Female and Male Election Candidates, *Politics & Gender* 15 (2), 310-355
- Madsen, J. K., Bailey, R. M., Carrella, E. & Koralus, P. (2019) Analytic versus computational cognitive models, *Current Directions in Psychological Science* 28 (3), 299-305
- Pilditch, T., Madsen, J. K. & Custer, R. (2019), False Prophets and Cassandra's Curse: The role of credibility in belief updating, *Acta Psychologica* 202, 102956, 1-12
- Bailey, R. M., Carrella, E., Axtell, R... Madsen, J. K.... Saul, S. [10 authors] (2018) A computational approach to managing coupled human-environmental systems: the POSEIDON model of oceans fisheries, *Sustainability Science* 1-17
- Madsen, J. K., Bailey, R. M. & Pilditch, T. (2018) Large networks of rational agents form persistent echo chambers, *Scientific Reports* 8:12391, 1-8
- Madsen, J. K. & Pilditch, T. (2018) A method for evaluating cognitively informed micro-targeted campaign strategies: An agent-based model proof of principle, *PLoS One* 13 (4), e0193909, 1-14
- Harris, A. J. L., Hahn, U., Madsen, J. K., & Hsu, A. S. (2015). The Appeal to Expert Opinion: Quantitative support for a Bayesian Network Approach. *Cognitive Science* 40, 1496-1533
- Cowley, S. J. & Madsen, J. K. (2014) Time and temporality: Linguistic distribution in human life-games, *Cybernetics and Human Knowing* 21 (1/2), 172-185
- Madsen, J. K. (2014) Approaching Bayesian subjectivity from a temporal perspective, *Cybernetics and Human Knowing* 21 (1/2), 98-112
- Madsen, J. K. & Cowley, S. J. (2014) Living subjectivity: Time-scales, language, and the fluidity of self, *Cybernetics and Human Knowing* 21 (1/2), 11-22
- Madsen, J. K. (2012) 'Overtalelse' defineret i et retorisk perspektiv, *Rhetorica Scandinavica* 16 (2), 37-57
- Harris, A., Hsu, A. & Madsen, J. K. (2012) Because Hitler did it! Quantitative tests of Bayesian argumentation using *Ad Hominem, Thinking & Reasoning* 18 (3), 311-343

### Other peer-reviewed publications (book chapters, conference proceedings, etc.) [13]

- Madsen, J. K., Connor, S. & Pilditch, T. (2019) Source reliability and the continued influence effect of misinformation: A Bayesian network approach, *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society*, 2228-2234
- Madsen, J. K., Hahn, U. & Pilditch, T. (2019) Reasoning about dissent: Expert disagreement and shared backgrounds, *Proceedings of the 41<sup>st</sup> Annual Conference of the Cognitive Science Society*, 2235-2242
- Madsen, J. K., Hahn, U. & Pilditch, T. (2018). Partial source dependence and reliability revision: the impact of shared backgrounds, In T.T. Rogers, M. Rau, X. Zhu, & C. W. Kalish (Eds.) *Proceedings of the 40th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 720-726
- Madsen, J. K. (2017) Time during time: Multi-Scalar Temporal Cognition, in Cowley, S. & Vallée-Tourangeau, F. (Eds.) *Cognition Beyond the Brain: Computation, Interactivity and Human Artifice* 2<sup>nd</sup> edition (pp. 155-174), Springer
- Madsen, J. K., Bailey, R. M., Carrella, E. & Pilditch, T. (2017) Towards a Standard Cognitive Framework for Socially Oriented, Adaptive, and Generative Human-Environment Agents, *AAAI Fall Symposium 2017*

- Madsen, J. K., Bailey, R. M. & Pilditch, T. (2017) Growing a Bayesian Conspiracy Theorist: An Agent-Based Model, In Gunzelmann, G., Howes, A., Tenbrink, T. & Davelaar, E. J. (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 2657-2662
- Madsen, J. K., Hahn, U. & Vorms, M. (2017) The dilution effect: Conversational basis and witness reliability, In Gunzelmann, G., Howes, A., Tenbrink, T. & Davelaar, E. J. (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 2663-2668
- Madsen, J. K. & Pilditch, T. (2017) The strategic advantages of micro-targeted campaigning: A proof of principle Bayesian Agent-Based Model, In Gunzelmann, G., Howes, A., Tenbrink, T. & Davelaar, E. J. (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 2651-2656
- Pilucik, D. & Madsen, J. K. (2017) The Effect of Economic Scarcity Priming on Perception of Race, In Gunzelmann, G., Howes, A., Tenbrink, T. & Davelaar, E. J. (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 2902-2906
- Madsen, J. K. (2016) Malleable and Predictable Source Credibility? American Election Candidates as a Case Study, Argumentation and Reasoned Action (Eds. Mohammed, D. & Lewinski, M.), *Proceedings of the 1st European Conference on Argumentation* Vol. 1 (chapter 20), 457-475
- Madsen, J. K. (2016) Trump supported it?! A Bayesian source credibility model applied to appeals to specific American presidential candidates' opinions, Papafragou, A., Grodner, D., Mirman, D., & Trueswell, J.C. (Eds.) *Proceedings of the 38th Annual Conference of the Cognitive Science Society*, Austin, TX: Cognitive Science Society, 165-170
- Madsen, J. K. (2015) Modelling Political Source Credibility of Election Candidates in the USA, in Noelle, D. C., Dale, R., Warlaumont, A. S., Yoshimi, J., Matlock, T., Jennings, C. D., & Maglio, P. P. (Eds.). *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, 1470-1476
- Madsen, J. K. (2013) A Cognitive Supplement to Rhetorical Theory, in Belle, H. v., Gillaerts, P., Gorp, B. v., Mieroop, D. v. d. & Rutten, K. (Eds.) *Verbal and Visual Rhetoric in a Media World*, Leiden University Press: Mulder van Meurs: Amsterdam, 95-116

## Other publications [24]

- Madsen, J. K. (2020) Trustworthiness of doctors from public health campaigns, *PsyArXiv* DOI: 10.31234/osf.io/zhw6j
- Madsen, J. K. (December 2019) Micro-Targeted Election Campaigns, *Social Science Matters*, Palgrave MacMillan
- Madsen, J. K. (December 2019) Giv udlandsdanskere ret til at stemme til folketingsvalg, op-ed in *Information*
- Madsen, J. K. (May 2019) The Psychology of Micro-Targeted Election Campaigns, *Copenhagen Business School News Letter* 31, 10-20
- Madsen, J. K. (2018) Flow, management, and use of online data: echo chambers and micro-targeted campaign strategies, *CBS News Letter* 30, 2-9
- Madsen, J. K. (2018) Denmark, *Campaign Against Living Miserably (CALM Zone)*, charity magazine for the World Cup
- Aagaard, A., Eskerod, P., Hannibal, M., Madsen, J. K., Madsen, T. K., Petersen, B. & Rosenbaum, S. M. (2014) Organisering og ledelse af multipartnerprojekter: En undersøgelse blandt rådgivende ingeniører in Søndergaard, N. & Ahrengot, N. (Eds.) *Vækst & Forretningsudvikling: Håndbogen*, 1<sup>st</sup> edition, København: Børsen Ledelseshåndbøger, Vol. 5, chp. 7.3, pp. 329-340
- Madsen, J. K. (2014) Stout Cortés looked upon the Pacific and marvelled, *Enthographies of the Imagination. Volume 1: The Beach*, Attributes (26, June), 92-94
- Madsen, J. K. & Cowley, S. J. (2014) Editorial Foreword: Cognition, Language, and the Scales of Time, *Cybernetics and Human Knowing* 21 (1/2), 5-8
- Madsen, J. K. (2014) Aristotle's *Rhetoric*, peer-reviewed summary for Mouseion
- Aagaard, A., Eskerod, P., Knudsen, M. H., Madsen, J. K., Madsen, T. K., Petersen, B. & Rosenbaum, S. M (2013) Organisering og ledelse af multi-partner projekter. En undersøgelse blandt rådgivende ingeniører, *Børsens Ledelseshåndbøger I* (December)
- Madsen, J. K. (2013) Event: AISB Workshop – Distributed Thinking Symposium V, *AISB Quarterly* 137 (October), 24-25
- Aagaard, A., Eskerod, P., Knudsen, M. H., Madsen, J. K., Madsen, T. K., Petersen, B. & Rosenbaum, S. M. (2012) Collaboration and performance in Multi-Partner Projects: The case of engineering consultancies. Research methodology, University of Southern Denmark, *Working papers in Marketing & Management* 32, pp. 1-72
- Madsen, J. K. (2012) En helt personlig hilsen, Op-Ed, *Weekendavisen*, 12
- Madsen, J. K. (2012) Reprint of Fucking Funeral (2008), *Retorik i talerstolen: 20 taler fra RetorikMagasinet*, Retorikforlaget, 80-90
- Madsen, J. K. (2011) Lad os tage en dyb, sproglig indånding, commentary, *Berlingske Tidende*, 23
- Madsen, J. K. (2011) Tabte muligheder i forskeruddannelsen, Op-Ed, *Politiken*
- Madsen, J. K. (2010) Den amerikanske tradition I nye klæder, *RetorikMagasinet* 78, 31-35
- Madsen, J. K. (2010) Moderne analytisk sprogfilosofi: Introduktion til relevanteori, *Tanken* (Danish Philosophical Magazine), 1, 9-12
- Madsen, J. K. (2009) Tack och lov att han är borta, translation of "Fucking Funeral" (2008) in the Swedish *RetorikMagasinet*, 39/40, 35-39.
- Madsen, J. K. (2008) Fucking Funeral, *RetorikMagasinet* 69, 31-35.

- Madsen, J. K. (2008) Kommunikation med potentiale til mere, *RetorikMagasinet* 69, 26-27.  
 Madsen, J. K. (2007) Når Journalistikken vil noget mere, *RetorikMagasinet* 66, November, 4-7.  
 Madsen, J. K. (2006) *69 poems of love and hate – Y-generationen slår til*, Eksperimentalforlaget, pp. 89

### Teaching and supervision experience

- 2021-present Supervisor for master dissertations, *LSE* (MSc: Psychology of Economic Life)  
 2020-present Course Tutor in Cognitive Psychology, *LSE* (I also taught Bayesian statistics for LSE PBS students)  
 2020 External marking of MPhil dissertation, Department of Psychology, *University of Cambridge*  
 2020 Tutor for the Oxford Study Abroad Programme (individual tutorials in political campaigning and data)  
 2019-20 Committee member at DPhil Status Assessment Panels, *OX*  
 2018-present External marking MSc dissertations CODES masters, *UCL*  
 2018-20 Teaching undergraduate and MSc classes (Complexity Theory; Philosophical Foundations of Psychology; Biodiversity and Conservation Management; Biodiversity Technologies) and conducting tutorials, *OX*  
 2017-20 Supervising MSc students in dissertation projects on biodiversity, conservation, and management, *OX*  
 2013-16 Supervising students (undergraduate) for final-year projects and dissertations, *BBK*  
 2013-14 Lectureship, *BBK*. Conducting all lectures for Prof. Mike Oaksford and Prof. Ulrike Hahn whilst they are on sabbatical. This includes lectures for undergraduate and master students.  
 2012-13 Demonstrator: 2<sup>nd</sup> Year Psychological Experimental Lab, *UCL* (supervise students and mark lab reports)  
 2011-12 Demonstrator: Introduction to Psychological Experiments, *UCL* (supervise students and mark lab reports)

**Topics taught:** Quantitative methods (e.g. Bayesian modelling; Agent-Based Modelling; Experimental Design), Statistics, Qualitative methods (e.g. surveys, interviews), as well as themes in Philosophy, Psychology, and Complex Human-Environment Systems Management. I have marking and supervision experience from *UCL*, *BBK*, *Cambridge*, and *Oxford*, and I have conducted tutorial-based teaching at *Oxford*.

### Administrative positions and committee/society roles

- 2020-present Academic Lead, LSE Careers and Employability (Psychological and Behavioural Sciences), *LSE*  
 2018-present Governing board member of the *International Society for the Study of Interactivity, Language and Cognition* (ISSICL)  
 2019-20 Fellow of the University of Oxford Congregation (voting member)  
 2018-20 Member of departmental ethical committee (CUREC/DREC), School of Geography and the Environment, *OX*  
 2016-20 Lab manager for COHESYS lab, *OX*  
 2014-16 Lab manager for the Reasoning and Argumentation Lab, *BBK*  
 2012-13 Instigator and organizer of London Interactivity Society  
 2011 Organizing member of Postgraduate Peer Group, *UCL*  
 2011 Doctoral student member of Graduate Research Committee and Student-Staff Consultative Committee (SSCC, specifically: PhD), Division of Psychology, *UCL*  
 2009 Student member of the SSCC (specifically: MRes), *UCL*  
 2008 Student member of the SSCC (specifically: Rhetoric), *KU*  
 2008 Student member of the Library Committee (specifically: Rhetoric), *KU*

### Editorial and reviewer experience

- 2019 Academic reviewer for *National Science Foundation* of the USA  
 2014 Guest editor of special issue: *Cybernetics and Human Knowing* 21 (1/2) co-editor: Stephen Cowley  
 Reviewed for *Cybernetics and Human Knowing* (2013-); *Philosophical Psychology* (2014-); *Cognition* (2014-), *Frontiers in Psychology* (2014-), *Cognitive Science* (2017-), *Political Psychology* (2018-), *International Journal of Language and Communication* (2019-), *Journal of Experimental Psychology: General* (2019-), *Cambridge University Press* (2020-), *Routledge* (2020-), *AI and Society* (2020-), *Politics and the Life Sciences* (2020-), *Nature Human Behaviour* (2020-)

### Invited talks

- Forthcoming Echo chambers and misinformation in complex information systems, *CCN Seminar series*, University of Huddersfield, e-talk (07/07)  
 2021 Computational Methods to Simulate Complex Human-Environment Systems and the Impact of Policy, *The Martin Society*, St John's College, University of Oxford, e-talk (25/01)  
 2021 Implementing and testing behavioural assumptions in complex human-environment systems, *PBS seminar series*, London School of Economics and Political Science, e-talk (20/01)  
 2020 The POSEIDON fisheries model, *Stockholm Resilience Centre*, e-talk (04/11)

- 2020 Managing complex human-environment systems: The POSEIDON model of fisheries, *Leibniz Centre for Tropical Marine Research (ZMT)*, e-talk (19/08)
- 2020 Knowing me, knowing you: psychologically motivated, data-driven micro-targeted political campaigns, *University of Strathclyde* (12/02)
- 2019 Reasoning and disinformation, *International Foundation of Electoral Systems*, annual meeting (18/11)
- 2019 Data-driven, psychologically motivated micro-targeted campaigns, *Reuter's Institute for the Study of Journalism* (5/11)
- 2019 Emergent echo chambers and disseminating bullshit: How to capture and manage information diffusion in complex, human-environment systems, *Global Media Forum* (28/5)
- 2019 Implementing and testing cognitive models in complex agent-based systems, Affective Brain Lab Series, *University College London* (17/1)
- 2018 Managing complex human-environmental systems: Fisheries and information systems, *University of Southern Denmark* (30/5)
- 2018 Simulating information systems: individual cognitive models, social networks, and system management, *Oxford Internet Institute* (15/4)
- 2017 Simulating belief extremism and adaptive behaviour using agent-based models, *MIT Social Media Lab* (14/11)
- 2014 Exploring obesity campaigns: argumentation and motivation manipulation, *Aarhus University* (19/12)
- 2014 Reasonable differences of opinion: Why subjectivity in reasoning matters, *University of Leeds* (25/11)
- 2014 Exploring the Psychology of Political Persuasion: From Theory to Potential Application and Analysis, *Kingston Upon Thames* (19/11)
- 2014 Persuasion from a Bayesian perspective: Theory, model, and application, *Technical University of Denmark* (7/10)
- 2014 Exploring Persuasion Processing: Foundations, Model Refinement, and Application, *University College London* (3/4)
- 2014 Developing and demarking the SPIMP: Critical perspectives on a probabilistic model of persuasion processing, *University of Southern Denmark* (13/3)
- 2012 Fragmenteret kommunikation, subjektiv rationalitet og logikkens begrænsninger, *University of Southern Denmark* (9/3)
- 2011 Logic in practical argumentation, *McGill University* (21/10)
- 2011 Eksperimentel tilgang: Et indledende oplæg, *University of Southern Denmark* (7/8)

## Conference presentations

- 2020 Computational approaches to argumentation and reasoning: An introduction to Bayesian modelling, *Computational modelling of social complexity in argumentation*, digital workshop (16/11)
- 2020 Technology and Democracy, Centre for Cognition, Computation, and Modelling (Birkbeck), digital panel discussion (21/10)
- 2020 The importance of being human in ABMs, *Social Simulation Workshop*, e-talk (18/09)
- 2019 Modelling individual and collective multi-scalar temporal functions, *AVANT* (24/10)
- 2019 Presented two papers at CogSci 2019, see 'other peer reviewed publications' for titles that were published in the proceedings (24-27/7)
- 2018 Partial source dependence and reliability revision: the impact of shared backgrounds, *CogSci* (25/7)
- 2018 The importance of the human behaviour fisheries management: Using POSEIDON to test behavioural assumptions, *IIFET 2018* (18/7)
- 2018 Managing complex human-environment systems: Using the case of West Coast fisheries in the USA to test cognitive assumptions, *ABMO3* (25/1)
- 2017 Presented four papers at CogSci 2017, see 'other peer reviewed publications' for titles that were published in the proceedings (26-29/7)
- 2017 Immurgence: How evolution of culture influences human forms of life, language and decision-making, *AISB 2017* (19/4)
- 2016 Optimising Policy Interventions: Using Agent-Based Models to manage fisheries, predict interventions, and find optimal policy settings, *International Congress on Agent Computing* (29/11)
- 2016 Emergent Conspiracy Theories from Fully Rational Agents: a Network Analysis Using an Agent-Based Model, *SCIECON 2016* (29/11)
- 2016 Deriving emergent cognitive functionality through multi-scalar temporal interactions, *CHIAS IV* (15/9)
- 2016 Trump supported it?! A Bayesian source credibility model applied to appeals to specific American presidential candidates' opinions, *CogSci 2016* (10-14/8)
- 2016 A Cognitively Realistic Model of Decision Making in Ocean Ecology, *CogSci 2016* (10-14/8/2016)
- 2016 Can a Bayes' Net approach capture intuitive use of sequential testimonies in a legal reasoning paradigm? *CogSci 2016* (10-14/8)
- 2016 A Psychologically Realistic Approach to Decision Making in Marine Ecology, *International Conference on Thinking* (5/8)

- 2015 Predicting Convincingness of Complex Sources, *London Judgment and Decision-Making Society* (2/12)
- 2015 Modelling Political Source Credibility of Election Candidates in the USA, *CogSci 2015* (24/7)
- 2015 Testing a methodological assumption in Bayesian argumentation: 1<sup>st</sup>-person versus 3<sup>rd</sup>-person dialogues, *European Conference on Argumentation* (11/6)
- 2015 Source credibility in a specific domain: Trustworthiness and expertise of election candidates in the USA, *European Conference on Argumentation* (10/6)
- 2014 As time goes by: Lodging the individual subjective self in a distributed and multi-scalar temporality, *2<sup>nd</sup> International Conference on Interactivity, Language & Cognition* (12/9)
- 2013 Time Scales in Language Dynamics, *Distributed Thinking Symposium IV* (30/1)
- 2013 Nudging your beliefs: Prolegomena to formalising a nudge in the social sphere, *Rhetoric in Society IV* (16/1)
- 2012 An embodied approach to reasoning and persuasion, *1st International Conference on Interactivity, Language & Cognition* (12/9)
- 2012 Persuasion: A puzzle for reasoning? *International Conference on Thinking 2012*, Birkbeck University (5/7)
- 2012 Baeza Ruiz, A. & Madsen, J. K. The physical presence and persuasive potential of occupying a public sphere, *PREOCCUPIED: The Words, Wounds and Workings of Occupations, Past and Present* (28/6)
- 2012 Importance of contextual influences in argumentation processing, *13<sup>th</sup> International Conference on Language and Social Psychology* (22/6)
- 2012 Bayesian rationality in persuasion studies, *Formal, Informal and Experimental Approaches to Argumentation*, University of Toulouse (14/5)
- 2012 A holistic view of persuasion, *Cumberland Lodge* (27/4)
- 2012 Bayesian reasoning as a fundamental aspect of language processing, *Distributed Language Symposium III* (20/1)
- 2011 Persuasion, Vigilance, and Style *ECREA Interpersonal Communication and Social Interaction Conference 2011* (9/9)
- 2011 Challenges of persuasion, *Cumberland Lodge* (5/5)
- 2011 Cognitive Analysis of Persuasive Communication, *Variation in Language Processing* (12/4)
- 2011 Harris, A., Hsu, A. & Madsen, J. K. Hitler did it! A quantitative test of a Bayesian approach to source characteristics in argumentation, *European Conference on Cognitive Science* (9/4)
- 2011 A Cognitive Supplement to Rhetorical Theory, *Rhetoric in Society III* (27/1)
- 2011 Mckillen, A. & Madsen, J. K. The Linguistics of Internet Memes: Accounting for the Syntax and Pragmatics of 'Fail', *9th International Conference on Arts and Humanities* (10/1)
- 2010 Cognitive Theories as a Supplement to Persuasion Theory, *UCL* (19/9)

### Appearances in media and public engagements

- 2020 Knowing me, knowing you – Aha, so that's why you mine my data for political campaigns, *Nerd Nite*
- 2019 The complex fabric of bottom-up communication, *Mediation*
- 2019 Psychologically informed micro-targeted political campaigns: The use and abuse of data ([link](#)), *Oxford Martin School*
- 2019 Menneskelig psykologi på digitale medier, *Copenhagen Behavioural Economics Network*
- 2018 False, fake, and fibs: The science behind misinformation ([link](#)), *City University*
- 2018 HealthWatch symposium on debunking false health news and view ([link](#)), *Kings College London*
- 2014 Derfor preller gode argumenter af på nogle mennesker ([link](#)), *Videnskab*
- 2013 SuperLab: Presenting psychological research to non-university people ([link](#))

### Conferences/workshops organised

- 2020 CECAM-Lorentz workshop, Title: Computational modelling of social complexity in argumentation, *Lorentz Centre* (13-19<sup>th</sup> of November), role: main organiser
- 2013 Distributed Thinking Symposium, AISB Workshop series, *Goldsmiths, University of London*, UK (30-31/1), role: main organiser
- 2012 Post-graduate Peer Group Conference, *Cumberland Lodge*, UK (26-27/4), role: main organiser
- 2010 "Relativity of Value" Conference, *UCL*, UK (9-10/10), role: assistant organiser

### Work, academic visits, and more

- 2013-14 Associate Academic and Senior Academic Consultant at *Mouseion Professors Limited*, London
- 2013 Visiting researcher, April (prof. John Drummond, Fordham University, NYC)
- 2010 Assistant at *Behavioral Economics Summit*, Institute of Practitioners in Advertising
- 2009 Communication consultant for Capitalize (PR company, London) – hired to give courses in effective rhetorical communication.
- 2008 RA at the University of Southern Denmark.
- 2007 Proof-reader, *RetorikMagasinet* (Danish rhetorical magazine).

2007-08 Editor, RetorikMagasinet.  
2007 Tutor at the Department of Media, Cognition and Communication (specifically: Rhetoric), KU  
2007 RA at the University of Southern Denmark.  
1999-06 Youth, part and fulltime jobs (6 different places, details available upon request)

### **Individual awards, scholarships, and grants**

2017 One-month writing retreat at San Cataldo, Italy  
2013 Graduate School Scholarship for visit to Fordham University in April 2013  
2012 Grant to support the PhD by Solar Fonden af 1978  
2012 Experimental Psychology Society Grindley Grant for ICLASP 13  
2010-12 Various scholarships to support PhD (a complete list is available upon request)  
2009 Various scholarships to support MRes (ibid)  
2008 Erasmus-Socrates Scholarship to support a year at UCL  
2007 International scholarship from Copenhagen University.  
2005 Valedictorian at Mulernes Legatskole  
2005 Grant for social commitment and academic excellence from Mulernes Legatskole.

### **Language skills**

Danish – mother tongue (linguistically closely related to Norwegian and Swedish in which I can also communicate)  
English – fluent both written and oral (practically bilingual)  
German – reading and conversational skills  
Spanish – reading and conversational skills  
French – basic reading and conversational skills

### **Programming languages and programs**

Programs and programming languages: R, NetLogo, MATLAB, SPSS, and Python