

## Rasmus K. Rendsvig, Ph.D.

Center for Information and Bubble Studies,  
Karen Blixens Plads 8, 2300 Copenhagen S, Denmark.

Tel.: +45 26 83 05 13 | [rasmus@hum.ku.dk](mailto:rasmus@hum.ku.dk) | [rendsvig@gmail.com](mailto:rendsvig@gmail.com) | [rasmuskrendsvig.dk](http://rasmuskrendsvig.dk)

**Research Interests:** information dynamics, social epistemology, formal epistemology, multi-agent systems, social proof and social influence, epistemic and dynamic epistemic logic, social network theory, game theory.

### 1 Education

- Doctor of Philosophy (Ph.D), Theoretical Philosophy, Lund University, 2018.  
Thesis title: *Logical Dynamics and Dynamical Systems*.  
Supervisors: Erik J. Olsson and Vincent F. Hendricks.
- Master's degree in Philosophy and Mathematics, Roskilde University, 2012.  
Thesis title: *Towards a Theory of Semantic Competence*. Passed with grade 12/12.  
Supervisors: Stig Andur Pedersen and Anders Madsen.
- Bachelor degree in Philosophy, Roskilde University, 2006.  
Thesis title: *En Prædikatslogisk opstilling af Davidsons Program*. Passed with grade 12/12.  
Supervisor: Klaus Frovin Jørgensen.

### 2 Academic Positions

- Postdoctoral Researcher, Center for Information and Bubble Studies, University of Copenhagen, Mar. 2018—
- Ph.D. Candidate, Theoretical Philosophy, Lund University, Feb. 2014–Feb. 2018
- Visiting Researcher at the LogiCIC project, Institute for Logic, Language and Computation, University of Amsterdam, Aug. 2013–Aug. 2014.
- Research Assistant, University of Copenhagen, Oct. 2012–Aug. 2013.

#### Grants:

- Recipient of *Rejselegat for Matematikere 2012*, funding for 1 year research stay abroad (ILLC).

#### Academic Management Experience:

- Assistant Editor: *Readings in Formal Epistemology*, Horacio Arlo-Costa, Johan van Benthem and Vincent F. Hendricks (eds.) Springer, 2016.
- Manager: *Logic and Rational Interaction*, [LORIweb.org](http://LORIweb.org), (2009–2015).
- Managing Editor: *Blackwell Companions to Philosophy: A Companion to the Philosophy of Technology*, Jan-Kyrre Berg Olsen, Stig Andur Pedersen, Vincent F. Hendricks (eds.), Wiley-Blackwell (2009).
- Managing Editor: *Automatic Press / VIP* (2007–2013). Management of 20+ book publications, including many from the *5 Questions* series, *Philosophical Probing: Essays on von Wright's Later Work*, Frederick Stoutland (ed.), 2009, and *Moderne Elementær Logik (2nd ed.)*, Vincent F. Hendricks and Stig Andur Pedersen, 2011.
- Managing Editor: *PhiNews* (2007).

### Conference Organization:

- Programme Committee member, *Games, Interactive Rationality and Learning 2013*, Lund University, April 2013.
- Programme Chair of *ESSLLI Student Session*, 2012, Opole University, Poland, August 2012.
- Main Organizer, *Copenhagen Association for Dynamics, Interaction, Logic, Language and Computation Workshop*, University of Copenhagen, Denmark, February 2012.
- Volunteer, *ESSLLI 2011*, University of Ljubljana, Ljubljana, Slovenia, August 2011.
- Organizing Committee, *ESSLLI 2010*, University of Copenhagen, Denmark, August 2010.

**Have reviewed for:** Artificial Intelligence; Synthese; Erkenntnis; Journal of Logic, Language and Information; Journal of Media, Cognition and Communication; Organon F; Journal of Social Philosophy; Autonomous Agents and Multi-Agent Systems

## 3 Publications

### Journals (Peer reviewed):

- *Dynamic Epistemic Logic of Diffusion and Prediction in Threshold Models*, A. Baltag, Z. Christoff, R.K. Rendsvig and S. Smets, *Studia Logica* (Online first, July 2018). [Download](#).
- *Pluralistic Ignorance in the Bystander Effect: Informational Dynamics of Unresponsive Witnesses in Situations calling for Intervention*, R.K. Rendsvig, *Synthese*, 191(11): 2471-2498. 2014. [Download](#).
- *Infostorms*, P.G. Hansen, V.F. Hendricks and R.K. Rendsvig, *Metaphilosophy*, 44(3): 301-326. 2013. [Download](#).

### Invited Contributions (Peer reviewed):

- “Hintikka’s *Knowledge and Belief in Flux*”, R.K. Rendsvig and V.F. Hendricks, in H. van Ditmarsch and G. Sandu *Jaakko Hintikka on Knowledge and Game Theoretical Semantics*, Springer, Outstanding Contributions to Logic 12, 2018. [Download](#).

### Conference Papers (Peer reviewed):

- Klein, D. and R.K. Rendsvig: “Convergence, Continuity and Recurrence in Dynamic Epistemic Logic”, in A. Baltag et al. (eds) *Logic, Rationality and Interaction: Proceedings of LORI 2017*, Springer, Lecture Notes in Computer Science Volume 10455, pp. 108–122, 2017.
- “Dynamic Epistemic Logic of Diffusion and Prediction in Threshold Models”, A. Baltag, Z. Christoff, R.K. Rendsvig and S. Smets, Electronic proceedings of for the *Twelfth Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2016)*.
- Rendsvig, R.K.: “**Model Transformers for Dynamical Systems of Dynamic Epistemic Logic**” in W. van der Hoek et al. (eds.) *Logic, Rationality and Interaction: Proceedings of LORI 2015*, Springer, Lecture Notes in Computer Science Volume 9394, pp. 316–327, 2015.
- Z. Christoff and R.K. Rendsvig “Dynamic Logics for Threshold Models and their Epistemic Extension” in W. Holliday and T. Icard (eds.) *Proceedings of Epistemic Logic for Individual, Social, and Interactive Epistemology (ELISIEM)*, Tübingen, Germany, August 11–15, 2014.
- Rendsvig, R.K.: “Diffusion, Influence and Best-Response Dynamics in Networks: An Action Model Approach” in R. de Haan *Proceedings of the ESSLLI 2014 Student Session*, [online](#), 2014.
- Rendsvig, R.K.: “Aggregated Beliefs and Informational Cascades” in Grossi, D., Roy, O., and Huang H. (eds.), *Logic, Rationality, and Interaction: 4th International Workshop, LORI 2013, Hangzhou, China, October 9-12, 2013, Proceedings*. Lecture Notes in Computer Science Volume 8196, pp 337-341, Springer. [Download](#).

- Rendsvig, R.K.: “Using Quantified Epistemic Logic as a Modeling Tool in Cognitive Neuropsychology”, in Jakub Szymanik and Rineke Verbrugge (eds.) *Proceedings of the Logic & Cognition Workshop at ESSLLI 2012, Opole, Poland, 13-17 August, 2012*, CEUR Workshop Proceedings, pp. 48–59, vol. 883, 2012. [Download](#).
- Rendsvig, R.K.: “Modeling Semantic Competence: A Critical Review of Frege’s Puzzle About Identity” (extended) in Dan Lassiter and Marija Slavkovic (eds.), *New Directions in Logic, Language, and Computation: ESSLLI 2010 and ESSLLI 2011 Student Sessions, Selected Papers*, Lecture Notes in Computer Science 7415: 147–157, Springer, 2012. [Download](#).
- Rendsvig, R.K.: “Modeling Semantic Competence: A Critical Review of Frege’s Puzzle About Identity” in Daniel Lassiter (ed.) *Proceedings of the 2011 ESSLLI Student Session*, pp. 152–16, 2011.
- Rendsvig, R.K.: “Epistemic Term-Modal Logic” in Marija Slavkovic (ed.) *Proceedings of the 15th Student Session of the European Summer School in Logic, Language and Information*, 37–46, 2010. [Download](#).

#### Handbook Chapters:

- The Philosophy of Distributed Information, V.F. Hendricks and R.K. Rendsvig, in L. Floridi (ed.) *The Routledge Handbook of Philosophy of Information*, p. 120–136, Routledge, 2016.
- Epistemic Logic, R.K. Rendsvig and John Symons, in E. Zalta (ed.) *Stanford Encyclopedia of Philosophy*, (forthcoming 2018)

#### Edited Volumes:

- *Readings in Formal Epistemology*, Horacio Arlo-Costa, Johan van Benthem and Vincent F. Hendricks (Eds.), Henrik Boensvang and Rasmus K. Rendsvig (As.Eds.), Springer, 2016.
- *Pristine Perspectives on Logic, Language and Computation*, M. Colinet, S. Katrenko and R. K. Rendsvig (Eds.), Lecture Notes in Computer Science vol. 8607, Springer, 2014.
- *Socio-Epistemic Phenomena: 5 Questions*, R.K. Rendsvig and V.F. Hendricks (Eds.), Automatic Press / VIP, in preparation.
- *ESSLLI 2012 Student Session Proceedings*, R.K. Rendsvig and S. Katrenko (Eds.), CEUR Workshop Proceedings, vol. 954, <http://ceur-ws.org/Vol-954/>, 2013.

#### News Media Articles:

- “[Brexit, Trump og det postfaktuelle demokrati](#)” (Hendricks, V.F., Vestergaard, M., Rendsvig R.K., Pedersen, D.B.) *Ræson*, 30.06.2016
- “[Vi skal ud af Facebooks ekkokammer](#)” (Hendricks, V.F., Vestergaard, M., Rendsvig R.K.), *Information*, 10.02.2016
- “[Når politikere bobler](#)” (Hendricks, V.F., Vestergaard, M., Rendsvig R.K.), *Kommunen*, 03.05.2015
- “[Ønsker du hjælp: Fald om på en stille villavej](#)” (Boensvang, H.A., Hansen, P.G., Hendricks, V.F., Rendsvig, R.K.), *Kronik, Berlingske*, 27.12.2014

## 4 Presentations Etc.

#### News Media Appearances:

- Datolinjen, Radio26syv: [Facebook får supplement til ‘Like’-knappen](#), 16.09.2015
- Tv2News: Interview om dommen ang. SnapChat og The Bitch Bible, 17.04.2015,
- Larsen, Pelle: “[Ny privat hjemmeside skal samle hadforbrydelser](#)”, *Jyllands-Posten*, 11.03.2015.

- Petersen, Irene Berg: “Den dårligste i gruppen tror, han er lige så god som den dygtigste”, *Videnskab.dk*, 10.3.2015.

#### Conference and Workshop Presentations:

- *First Considerations on Political Bubbles*. Invited talk at DIGSSCORE (Digital Social Science Core Facility), University of Bergen. Bergen, Norway. 23 October 2018.
- *On Kripke Models, Metrics and Dynamical Systems*. LOGICA 2018: 32nd Annual International Symposium on Logic, Hejnice monastery, Czech Republic, 18–22 June 2018.
- *Maps and Reductions in Social Context*. Academy Colloquium: Reasoning in Social Context, Koninklijke Nederlandse Akademie van Wetenschappen, Amsterdam, 31 May–2 June, 2018.
- *Om information, grupper og beslutninger*. Nationalbankens afdeling for økonomi og pengepolitik seminar, Frederiksdal, Denmark, May 24, 2018.
- *Knowledge and Belief in Flux: A Dynamic Reading of Hintikka’s 1962*. Bayreuth Philosophy Seminar, Bayreuth University, March 27th, 2018.
- *Logical Approaches to Pluralistic Ignorance*, Collective Attitude Formation (ColAForm), Institut d’Histoire des Sciences et des Techniques (IHPST), Paris, 12–13 Oct., 2017.
- *Convergence, Continuity and Recurrence in Dynamic Epistemic Logic*, 6th International Conference on Logic, Rationality and Interaction (LORI VI), Hokkaido University, Sapporo, Japan, 11-14 Sep., 2017.
- *Dynamical Multi-Agent Systems in Dynamic Epistemic Logic*. Logical Aspects of Multi-Agent Systems (LAMAS), Stockholm, Sweden, Aug. 15, 2017.
- *Crazy Crowds: Effects of the Social*, Tietgens Festival, Copenhagen, Denmark, May 6, 2017.
- *Cyberbullying and Pluralistic Ignorance*. Kunskap i en digital värld: resultatdialog och debatt, Lund University, April 27, 2017.
- *Attaining Common Knowledge, or: When the Generals Attack, We’re All Dead!*, LogiCIC 2016: The Logical Structure of Correlated Information Change, University of Amsterdam, Nov. 17-19, 2016.
- *Bridging Dynamic Epistemic Logic and Dynamical Systems Theory*, Higher Seminar in Theoretical Philosophy, Lund University, Sep. 13, 2016.
- *Knowledge and Belief in Flux: A Dynamic Reading of Hintikka’s 1962*. Hintikka Memorial Symposium, Helsinki, Sep. 8-9, 2016.
- *Bobler og social evidens*. Uddannelsescenter Holstebro’s ‘State of School’ medarbejderseminar, Holstebro (DK), Aug. 5, 2016.
- *Dynamic Epistemic Logics of Diffusion and Prediction in Social Networks*. 12th Conference on Logic and the Foundations of Game and Decision Theory, Maastricht, The Netherlands, 20-22 July 2016.
- *Hadefuld tale i online debatter (debat)*. Institut for Menneskerettigheder, Folkemødet, Bornholm (DK), 17 June, 2016.
- *Modeling with DEL: The Case for Dynamical Systems*. CADILLAC Workshop, Copenhagen, May 23-25, 2016.
- *Social på nettet: Muligheder og faldgruber*. Forskningsens døgn, Erhvervsakademi MidtVest, Herning (DK), 28 Apr., 2016.
- *Knowledge and Belief in Flux: A Dynamic Reading of Hintikka’s 1962*. Higher Seminar in Theoretical Philosophy, Lund University, Feb. 9, 2016.
- *Boblestudier*. Filosofisk Studenterkollokvium, Københavns Universitet, 5 Feb. 2016.
- *DEL and Dynamical Systems: A Metric on the Set of Kripke Models*, LogiCIC 2015: Reasoning in a Social Context, University of Amsterdam, Nov. 26-28, 2015.
- *Stopping Benjamin: Competence and Imitation in Social Transmission. Knowledge dissemination in the digital era: Language and episteme*, Modena, Italy, Nov. 18-20, 2015.

- *Model Transformers for Dynamical Systems of Dynamic Epistemic Logic*, The Fifth International Conference on Logic, Rationality and Interaction (LORI V), Taipei, Taiwan, Oct. 28-31 2015.
- *Cascades: Micro and Macro Perspectives*, Social Mistakes Symposium (Aug. 7), Congress of Logic, Methodology and the Philosophy of Science, Helsinki, Aug. 3-8, 2015.
- *Center for Information and Bubble Studies: En Introduktion*, Introduktionsdag for kandidatstuderende, Filosofi, Københavns Universitet, Aug. 27, 2015.
- *Credence based on Diffusion Processes in Social Network*, Higher Seminar in Theoretical Philosophy, Lund University, Sep. 15, 2015.
- *Changing Neighbors: Actions Models and Graph Products for Dynamics in and of Social Networks*. LogiCIC 2014: Workshop on Correlated Information Change, Amsterdam Nov. 24-26, 2014.
- *Behavior Spread in Social Networks: Action Models, Threshold Influence and Game Play*, ESSLLI 2014 Student Session, poster, August 2014.
- *Dynamic Logics for Threshold Models and Their Epistemic Extension*, Epistemic Logic for Individual, Social, and Interactive Epistemology, ESSLLI 2014, August 2014.
- *Tillykke Fjæs bog*, debat, Dansk Magisterforening, Folkemødet på Bornholm, Rønne, June 14, 2014.
- *An Epistemic Extension of Threshold Models: Coordination based on Behavior Prediction*, Modality and Modalities, Lund University, May 2014.
- *Peer Review in a Publish or Perish Era*, Higher Seminar in Theoretical Philosophy, Lund University, May 2014.
- *Why threshold models do not capture information sharing in social networks, and an alternate model that does*. LogiCIC 2013: Social Dynamics of Information Change, Amsterdam Dec. 2-4, 2013.
- *Logic, Philosophy and Society* (evening lecture on behalf of Prof. V.F. Hendricks), Logic Across the University: Foundations and Applications, Tsinghua University, P.R.China, October 2013.
- *A NetLogo Model of the Bystander Effect* (model demonstration on behalf of Prof. V.F. Hendricks), Logic Across the University: Foundations and Applications, Tsinghua University, P.R.China, October 2013.
- *Aggregated Beliefs and Informational Cascades* (poster presentation), The Fourth International Workshop on Logic and Rational Interaction (LORI-IV), Zhejiang University, Hangzhou, P.R.China, October 2013.
- *DEL-based State Machines and their Application in Modeling Group Reasoning and Choice*, LogiCIC/LiRA seminar series, ILLC, University van Amsterdam, October 2013.
- *Look and Learn: Extracting Information from Actions of Others*, ESSLLI Workshop on Logical Models of Group Decision Making, ESSLLI 2013, Heinrich Heine University in Düsseldorf, August 2013.
- *Bobler på nettet*, Forskningens Døgn, AOF, Greve Gymnasium, May 2013.
- *Transition Rules for Dynamic Epistemic Logic*, Modality and Modalities, Roskilde University, May 2013.
- *Look and Learn: Extracting Information from Actions of Others*, Games, Interactive Rationality and Learning 2013 (GIRL'13), Lund University, April 2013.
- *Structures of Social Proof*, w. Vincent F. Hendricks, LogiCIC Kick-off Workshop: Belief Change in Social Context, ILLC University of Amsterdam, December 2012.
- *Dynamics of The Bystander Effect*, 5th CPH-Lund Workshop on Social Epistemology, Lund University, December 2012.
- *Dynamics of Informational Cascades*, Formalization in Philosophy, Lund University, December 2012.
- *Qualitative Modeling of Informational Cascades*, 8th Scandinavian Logic Symposium, Roskilde University, August 2012.
- *Using Quantified Epistemic Logic as a Modeling Tool in Cognitive Neuropsychology*, Logic and Cognition Workshop, ESSLLI 2012 Opole University, August 2012.

- *Connections between Lexical and Truth-Conditional Semantic Competence, Modality and Modalities*, Roskilde University, May 2012 (invited).
- *Qualitative Modeling of Informational Cascades*, 4th CPH-Lund Workshop in Social Epistemology, Lunds Universitet, Dec. 2011.
- *Modeling Semantic Competence: a Critical Review of Frege's Puzzle (as an argument against Millianism)*, Munich Center for Mathematical Philosophy, Nov. 2011.
- *Informational Cascades: 2 Cases*, Workshop on Modal and Epistemic Logic, Roskilde University, Oct. 2011.
- *Modeling Semantic Competence: a Critical Review of Frege's Puzzle about Identity*, ESSLLI 2011 Student Session, Ljubljana, Slovenia, Aug. 2011.
- *Frege's Puzzle and Semantic Competence*, Epistemic Logics for  $n \geq 2$  (WS), University of Copenhagen, Feb. 2011.
- *Epistemic Term-Modal Logic*, ESSLLI 2010 Student Session, University of Copenhagen, Aug. 2010.

**Teaching Experience:**

- Lecturer, *Modallogik* (unofficial course), University of Copenhagen, Fall 2018.
- Co-lecture, *Logik 1*, University of Copenhagen, Spring 2018
- Co-lecture, *Logik 2*, University of Copenhagen, Spring 2017
- Co-lecture, *Logik, Argumentation of Sprogfilosofi*, University of Copenhagen, Spring 2013.
- Guest Lecture, *IT & Cognition Guest Lectures*, University of Copenhagen, 2011.
- Guest Lecture, *Logik Seminar*, University of Southern Denmark, 2008.
- Guest Lecture, *Logik Seminar*, University of Southern Denmark, 2007.