

# Curriculum Vitae

MICHEL REGENWETTER

Professor of Psychology

Professor of Political Science

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November 4, 2022

## Personal

Date of Birth Sep. 26, 1966 in Luxembourg, Grand-Duchy of Luxembourg.

Citizenship Grand-Duchy of Luxembourg. (Permanent Resident of the USA.)

## Education

1995 Ph.D. in Social Sciences w. concentration in *Mathematical Behavioral Sciences*, U.C. Irvine.

Dissertation *Random Utility Representations and Probabilistic Models of Subset Choice and Ranking Data*. (Prof. J.-Cl. Falmagne, chair)

1993 M.A. in Social Sciences, U.C. Irvine.

1991 Diplom in Experimental Psychology, Universität Bonn (w. highest grade).

Diplom Thesis *Multinomial Modeling of Cognitive Processes in the 'Memory' Game*.

1990 Vordiplom in Mathematics, Universität Bonn (with highest grade).

1988 Vordiplom in Psychology, Universität Bonn (with highest grade).

up to 1985 École Primaire and Lycée (Section Classique, Mathématiques et Sciences), Grand-Duchy of Luxembourg.

## Tenure Track Employment

### *University of Illinois at Urbana-Champaign*

- Since 2020 Professor of Psychology; Political Science; Electrical & Computer Engineering; Center for Social and Behavioral Science Affiliate; Coordinated Science Laboratory Affiliate.
- Since 2019 Professor of Psychology; Political Science; Electrical & Computer Engineering.
- Since 2007 Professor of Psychology and Political Science.
- 2003 - 2007 Associate Professor (with tenure) of Psychology and Political Science.
- 2001 - 2003 Assistant Professor of Psychology and Political Science.

### *Duke University*

- 1997 - 2001 Assistant Professor of Business Administration.

## Other Employment

- 1995 - 1997 Postdoctoral Fellow with Prof. A. A. J. Marley, *Psychology, McGill University*.
- 1995 Teaching Assistant for undergraduate statistics, *Cognitive Sciences, U.C. Irvine*.
- Fall 1994 Research Assistant for Prof. J.-Cl. Falmagne in the project "Stochastic Learning Paths in Knowledge Spaces." *Mathematical Behavioral Sciences, U.C. Irvine*.
- 1991-1994 Researcher. Research project on Computer Simulations in Education, *Luxembourg Ministry of Education and Centre de Recherche Publique Henri Tudor*.
- 1987-1991 Research Assistant. Research project on Dynamic Systems and Complex Problem Solving, *Ministry of Education and Centre de Recherche Publique au Cours Universitaire de Luxembourg*.
- 1986-1987 Research Assistant. *Psychology (Methodology Division), Universität Bonn*.

## Academic Honors and Awards

- 1999 Young Investigator Award, *Society for Mathematical Psychology*.
- 2006 Elected Fellow, *Association for Psychological Science* (formerly *American Psychological Society*).
- 2012 International *Exeter Prize for Research in Experimental Economics, Decision Theory and Behavioral Economics*, for Regenwetter, M., Dana, J. & Davis-Stober, C. (2011). "Transitivity of preferences." *Psychological Review*, 118, 42-56.
- 2022 Elected Fellow, *Psychonomic Society*.

## Peer Reviewed Book

Regenwetter, M., Grofman, B., Marley, A. A. J., Tsetlin, I. (2006). *Behavioral Social Choice*. Cambridge University Press (Political Science).

Rated "Outstanding Academic Title" by *Choice Magazine* in 2007.

## Peer Reviewed Papers

Reprints available from [prod2020.psychology.illinois.edu/reprints/index.php?site\\_id=38](http://prod2020.psychology.illinois.edu/reprints/index.php?site_id=38)

Top-ranked specialty journals are in CAPS.

Leading discipline-wide and cross-disciplinary journals are **boldfaced**.

1. Falmagne, J.-Cl. & Regenwetter, M. (1996). "A Random utility model for approval voting." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 40, 152-159.
2. Regenwetter, M. (1996). "Random utility representations of finite m-ary relations." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 40, 219-234.
3. Regenwetter, M. (1997). "Probabilistic preferences and topset voting." *Mathematical Social Sciences*, 34, 91-105.
4. Doignon, J.-P. & Regenwetter, M. (1997). "An approval-voting polytope for linear orders." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 41, 171-188.
5. Falmagne, J.-Cl., Regenwetter, M. & Grofman, B. (1997). "A stochastic model for the evolution of preferences." In *Choice, Decision, and Measurement: Essays in Honor of R. Duncan Luce*. (A. A. J. Marley, Ed.) Erlbaum, NJ.
6. Regenwetter, M. & Doignon, J.-P. (1998) "The choice probabilities of the latent scale model satisfy the size-independent model when  $n$  is small." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 42, 102-106.
7. Regenwetter, M. & Grofman, B. (1998a). "Approval voting, Borda winners and Condorcet winners: Evidence from seven elections." ***Management Science***, 44, 520-533.
8. Regenwetter, M. & Grofman, B. (1998b). "Choosing subsets: A size-independent probabilistic model and the quest for a social welfare ordering." *SOCIAL CHOICE AND WELFARE*, 15, 423-443.
9. Regenwetter, M., Marley, A. A. J. & Joe, H. (1998). "Random utility threshold models of subset choices." *Australian Journal of Psychology*, 50, 175-185. (Special issue on Mathematical Psychology).
10. Regenwetter, M., Falmagne, J.-Cl. & Grofman, B. (1999). "A stochastic model of preference change and its application to 1992 presidential election panel data." ***Psychological Review***, 106, 362-384.
11. Doignon, J.-P., Falmagne, J.-Cl. & Regenwetter, M. (1999). "Combinatoric and geometric aspects of some probabilistic choice models – A review." In *Beliefs, Interactions and Preferences in Decision Making*, (B. Munier and M. Machina, Eds.) *Kluwer Theory and Decision Library B: Mathematical and Statistical Methods*, 40, 179-201.
12. Regenwetter, M. & Marley, A. A. J. (2001). "Random relations, random utilities and random functions." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 45, 864-912.
13. Regenwetter, M., Marley, A. A. J. & Grofman, B. (2002). "A general concept of majority rule." *Mathematical Social Sciences*, 43, 405-428.
14. Regenwetter, M., Grofman, B. & Marley, A. A. J. (2002). "On the model dependence of majority preference relations reconstructed from ballot or survey data." *Mathematical Social Sciences*, 43, 451-466.
15. Doignon, J.-P. & Regenwetter, M. (2002). "On the combinatorial structure of the approval-voting polytope." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 46, 554-563.

16. Regenwetter, M., Adams, J. & Grofman, B. (2002). "On the (sample) Condorcet efficiency of majority rule: An alternative view of majority cycles and social homogeneity." *Theory and Decision*, 53, 153-186.
17. Tsetlin, I. & Regenwetter, M. (2003). "On the probabilities of correct or incorrect majority preference relations." *SOCIAL CHOICE AND WELFARE*, 20, 283-306.
18. Regenwetter, M., Marley, A. A. J. & Grofman, B. (2003). "General concepts of value restriction and preference majority." *SOCIAL CHOICE AND WELFARE*, 21, 149-173.
19. Tsetlin, I., Regenwetter, M. & Grofman, B. (2003). "The impartial culture maximizes the probability of majority cycles." *SOCIAL CHOICE AND WELFARE*, 21, 387-398.
20. Regenwetter, M. & Tsetlin, I. (2004). "Approval voting and positional voting methods: Inference, relationship, examples." *SOCIAL CHOICE AND WELFARE*, 22, 539-566.
21. Regenwetter, M. & Rykhlevskaia, E. (2004). "On the (numerical) ranking associated with any finite binary relation." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 48, 239-246.
22. Doignon, J.-P., Pekeč, A. & Regenwetter, M. (2004). "The repeated insertion model for rankings: Missing link between two subset choice models." *PSYCHOMETRIKA*, 69, 33-54.
23. Ho, M.-H., Regenwetter, M., Niederée, R. & Heyer, D. (2005). "An alternative perspective on von Winterfeldt et al.'s (1997) test of consequence monotonicity." *Journal of Experimental Psychology: Learning, Memory and Cognition*, 31, 365-373.
24. Hsu, Y.-F., Regenwetter, M. & Falmagne, J.-Cl. (2005). "The tune in-and-out model: A random walk and its application to a presidential election survey." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 49, 276-289.
25. Adamowicz, W., Hanemann, M., Swait, J., Johnson, R., Layton, D., Regenwetter, M., Reimer, T. & Sorkin, R. (2005). "Decision strategy and structure in households: A "groups" perspective." *Marketing Letters*, 16, 387-399.
26. Regenwetter, M., Kim, A., Kantor, A. and Ho, R. (2007). "The unexpected empirical consensus among consensus methods." *Psychological Science*, 18, 559-656.
27. Regenwetter, M. & Rykhlevskaia, E. (2007). "A general concept of scoring rules: General definitions, statistical inference, and empirical illustrations." *SOCIAL CHOICE AND WELFARE*, 29, 211-228.
28. Hsu, Y.-F. & Regenwetter, M. (2007). "Applications of stochastic media theory to 1992, 1996, and 2000 National Election Study panel data." *Chinese Journal of Psychology*, 49, 225-244.
29. Regenwetter, M., Ho, M.-H. & Tsetlin, I. (2007). "Sophisticated approval voting, ignorance priors and plurality heuristics: A Behavioral Social Choice analysis in a Thurstonian framework." **Psychological Review**, 114, 994-1014.
30. Falmagne, J.-Cl, Hsu, Y.-F., Leite, F. & Regenwetter, M. (2008). "Stochastic applications of media theory: Random walks on weak orders or partial orders." *DISCRETE APPLIED MATHEMATICS*, 156, 1183-1196.
31. Regenwetter, M. & Davis-Stober, C. (2008). "There are many models of transitive preference: A tutorial review and current perspective." In *Decision Modeling and Behavior in Uncertain and Complex Environments*, (T. Kugler, J.C. Smith, T. Connolly, and Y.-J. Son, Eds.), Springer, NY, *Series on Optimization and its Applications*, 99-124.

32. Regenwetter, M., Grofman, B., Popova, A., Messner, W., Davis-Stober, C. & Cavagnaro, D.R. (2009). "Behavioural social choice: A status report." *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364, 833-843.
33. Regenwetter, M. (2009). "Perspectives on preference aggregation." *Perspectives on Psychological Science*, 4, 403-407.
34. Regenwetter, M., Dana, J. & Davis-Stober, C. (2010). "Testing Transitivity of Preferences on Two-Alternative Forced Choice Data." *Frontiers in Quantitative Psychology and Measurement*. (doi: 10.3389/fpsyg.2010.00148)
35. Regenwetter, M., Dana, J. & Davis-Stober, C. (2011). "Transitivity of preferences." **Psychological Review**, 118, 42-56.  

Winner 2012 *Exeter Prize*  
*for Research in Experimental Economics, Decision Theory and Behavioral Economics.*
36. Regenwetter, M., Dana, J. & Davis-Stober, C., Guo, Y. (2011). "Parsimonious testing of transitive or intransitive preferences: Reply to Birnbaum (2011)." **Psychological Review**, 118, 684 - 688.
37. Regenwetter, M. & Popova, A. (2011). "Consensus with oneself: Within-person choice aggregation in the laboratory." In *Consensual Processes*, (E. Herrera-Viedma, J.L. Garcia-Lapresta, J. Kacprzyk, M. Fedrizzi, H. Nurmi, S. Zadrozny, Eds.) Springer, *Studies in Fuzziness and Soft Computing*, Vol. 267.
38. Regenwetter, M. & Davis-Stober, C.P. (2011). "Ternary Paired Comparisons induced by Semi- or Interval Order Preferences." In *Descriptive and Normative Approaches to Human Behavior*, (E. Dzhafarov & L. Perry, Eds.) World Scientific, *Advanced Series on Mathematical Psychology*, Vol. 3.
39. Regenwetter, M. & Davis-Stober, C. (2012) "Behavioral variability of choices versus structural inconsistency of preferences." **Psychological Review**, 119, 408-416.
40. Popova, A., Regenwetter, M. & Mattei, N. (2013). "A Behavioral Perspective on Social Choice." *Annals of Mathematics and Artificial Intelligence*, 68, 5-30.
41. Cha, Y.-C., Choi, M., Guo, Y., Regenwetter, M. & Zwilling, C. (2013). "Reply: Birnbaum's (2012) statistical tests of independence have unknown Type-I error rates and do not replicate within participant." *Judgment and Decision Making*, 8, 55-73.
42. Regenwetter, M., Davis-Stober, C.P., Lim, S.H., Cha, Y.-C., Guo, Y., Messner, W., Popova, A., and Zwilling, C. (2014). "QTEST: **Q**uantitative **T**esting of Theories of Binary Choice." *Decision*, 1, 2-34.  

Inaugural lead article, Volume 1, Issue 1.
43. Popov, S., Popova, A., and Regenwetter, M. (2014). "Consensus in organizations: Hunting for the social choice conundrum in APA elections." *Decision*, 1, 123-146.
44. Guo, Y. and Regenwetter, M. (2014). "Quantitative Tests of the **P**erceived **R**elative **A**rgument **M**odel: Commentary on Loomes (2010)." **Psychological Review**, 121, 696-705.
45. Allen, T.E., Chen, M., Goldsmith, J., Mattei, N., Popova, A., Regenwetter, M., Rossi, F., and Zwilling, C. (2015). "Beyond Theory and Data in Preference Modeling: Bringing Humans into the Loop." In *Algorithmic Decision Theory* (T. Walsh, Ed.). Springer *Lecture Notes in Artificial Intelligence*, Vol. 9346.

46. Brown, N. R., Davis-Stober, C.P., and Regenwetter, M. (2015). "Commentary: "Neural signatures of intransitive preferences" *Frontiers in Human Neuroscience*. (doi10.3389/fnhum.2015.00509)
47. Davis-Stober, C., Park, S., Brown, N. and Regenwetter, M. (2016). "Reported violations of rationality may be aggregation artifacts." **Proceedings of the National Academy of Sciences of the United States of America** (doi10.1073/pnas.1606997113).
48. Marley, A.A.J. and Regenwetter, M. (2017) "Choice, Preference, and Utility: Probabilistic and Deterministic Representations." *New Handbook of Mathematical Psychology, Vol. 1. Foundations and Methodology*, edited by W. Batchelder, H. Colonius, E. Dzhafarov, J. Myung. pp. 374-453. Cambridge University Press.
49. Davis-Stober, C., Brown, N, Park, S. and Regenwetter, M. (2017). "Recasting a biologically motivated computational model within a Fechnerian and random utility framework." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 77, 156-164. (doi10.1016/j.jmp.2016.10.009)
50. Regenwetter, M. and Robinson, M.M. (2017). "The construct-behavior gap in behavioral decision research: A challenge beyond replicability." **Psychological Review**, 124, 533-550. (doi10.1037/rev0000067)
51. Regenwetter, M. and Davis-Stober, C. (2018). "The role of independence and stationarity in probabilistic models of binary choice." *Journal of Behavioral Decision Making*, 31, 100-114.
52. Regenwetter, M., Cavagnaro, D.R., Popova, A., Guo, Y., Zwilling, C., Lim, S.H., Stevens, J.R. (2018). "Heterogeneity and Parsimony in Intertemporal Choice." *Decision*, 5, 63-94. (doi10.1037/dec0000069).
53. Smeulders, B., Davis-Stober, C., Regenwetter, M. and Spieksma, F.C.R. (2018). "Testing probabilistic models of choice using column generation." *Computers & Operations Research*, 95, 32-43.
54. Davis-Stober, C. Doignon, J.-P., Fiorini, S., Glineur, F. and Regenwetter, M. (2018) "Extended Formulations for Order Polytopes through Network Flows." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 87, 1-10.
55. Regenwetter, M. and Hsu, Y.-F. (2018). "Stochastic Process Models of Preference Change." *The Oxford Handbook of Public Choice, Vol. 2* edited by R. Congleton, B. Grofman, and S. Voigt.
56. Regenwetter, M. and Cavagnaro, D. R. (2019). "Tutorial on removing the shackles of regression analysis: How to stay true to your theory of binary response probabilities." *PSYCHOLOGICAL METHODS*, 24, 135-152. (<http://dx.doi.org/10.1037/met0000196>)
57. Regenwetter, M. and Robinson, M.M. (2019). "The construct-behavior gap revisited: Reply to Hertwig and Pleskac (2018)." **Psychological Review**, 126, 451-454. (<https://doi.org/10.1037/rev0000145>).
58. Zwilling, C.E., Cavagnaro, D.R., Regenwetter, M., Lim, S.H., Fields, B., and Zhang, Y. (2019). "QTEST 2.1: Quantitative Testing of Theories of Binary Choice Using Bayesian Inference." *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 91, 176-194.
59. Regenwetter, M., Hsu, Y.-F., and Kuklinski, J.H. (2019). "Towards Meaningful Inferences from Thermometer Ratings." *Decision*, 6, 381-399.
60. Davis-Stober, C. and Regenwetter, R. (2019). "The 'paradox' of converging evidence." **Psychological Review**, 126, 865-879.
61. Regenwetter, M. and Robinson, M.M. (2019). "Tutorial: Nuisance or Substance? Leveraging Heterogeneity of Preference." *The Spanish Journal of Psychology*, 22. e60.

62. Park, S., Davis-Stober, C. P., Snyder, H.K., Messner, W., and Regenwetter, M. (2019). “Cognitive Aging and Tests of Rationality.” *The Spanish Journal of Psychology*, 22. e57.
63. Regenwetter, M. (2020). TUTORIAL: “With sufficient increases in X, more people will engage in the target behavior.” *JOURNAL OF MATHEMATICAL PSYCHOLOGY*, 99.
64. Chen, M., Regenwetter, M., and Davis-Stober, C.P. (2021). “Aggregate Choice May Tell Nothing about Anyone’s Individual Preferences.” *Decision Analysis*, 18, 1-24.
65. Regenwetter, M., Davis-Stober, C.P., Smeulders, B., Fields, B. and Wang, C. (2021). “(Ir)rationality of animal choice? A guide to testing transitivity.” *The Annual Review of Biology*, 96, 169-204.
66. Regenwetter, M., Robinson M.M. and Wang, C. (2022). “Are you an exception to your favorite decision theory? Behavioral decision research is a Linda problem!” *Decision*, 9, 91-111.
67. Regenwetter, M., Robinson, M.M. (2022). “Reply to Commentaries: Why should we worry about scientific conjunction fallacies?” *Decision*, 9, 124-130.
68. Regenwetter, M., Robinson, M.M., and Wang, C. (2022) “Four internal inconsistencies in Tversky and Kahneman’s (1992) Cumulative Prospect Theory paper: A case study in ambiguous theoretical scope and ambiguous parsimony.” *Advances in Methods and Practices in Psychological Science*, 5. Open access: <https://journals.sagepub.com/doi/pdf/10.1177/25152459221074653>.
69. Alameda, J., Stirn, C., Bauer, G., Boerner, T., Bode, B., Dahan, M., Gropp, W., Pierce, M., Yewdall, C., Zentner, M., Babbar-Sebens, M., Barton, M., Bianchi, D., Bell, M., Boufadel, M., Cianfrocco, M., Cleveland, S., Daskiran, C., Fagnan, K., Fox, G., Garyfallidis, E., Hajjar, J., Klimeck, G., Miller, M., Perri, M., Pinks II, V., Ramamurthy, M., Regenwetter, M., Roberts, A., Romero, A., Song, C., Strachan, A., Tadmor, E., and Tucker, G.). “The Delta Gateway: Exploring Community Use of GPU Resources through a Science Gateway” (accepted). *Gateways 2022*.

### **Commentaries, Interviews, Reports, Reviews by Peers or in the Media**

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| 2008 | D. Lepelley. Book review entitled: “Michel Regenwetter, Bernard Grofman, A.A.J. Marley, and Ilia M. Tsetlin: Behavioral social choice. Probabilistic models, statistical inference and applications.” <i>Social Choice and Welfare</i> , Vol. 31, pp. 351-355.   |
| 2010 | B. Cipra. Magazine article entitled: “Joint Mathematics Meeting, 13-16 January, San Francisco, California: Politics as (Un)usual.” <i>Science</i> , Vol. 327, Nr. 5968, pp. 942-943.   |
| 2010 | B. Azar. Magazine article entitled: “Election results don’t vary when the rules are changed.” <i>Monitor on Psychology</i> , Vol. 41, Nr. 6, p. 12.  |
| 2017 | S. Kousta. Research Highlight titled: “Cognitive science: Flawed reasoning.” <i>Nature Human Behaviour</i> , Vol. 1, p. 149. DOI:10.1038/s41562-017-0149   |
| 2017 | K. Kendig. National Center for Supercomputer Applications news story titled: “A better approach: Bringing supercomputing to Psychology.” <a href="http://www.ncsa.illinois.edu/news/story/a_better_approach_bringing_supercomputing_to_psychology">http://www.ncsa.illinois.edu/news/story/a_better_approach_bringing_supercomputing_to_psychology</a> |
| 2020 | Article in the <i>Luxemburger Wort</i> newspaper titled: “Von Zolver nach Illinois.” (From Soleuvre to Illinois).  |

## Fellowships, Scholarships, and Miscellaneous Recognitions

- 1987-1991 Education and Research Fellowship, Luxembourg Ministry of Education, Centre de Recherche Publique Cours Universitaire de Luxembourg.
- 1989-1991 Foreign Student Fellowship, Deutscher Akademischer Austauschdienst (DAAD).
- 1991-1994 Research and Development Fellowship, Luxembourg Ministry of Education, Centre de Recherche Publique Henri Tudor.
- 1992-1994 Tuition and Fees Fellowship, The Ridgefield Foundation.
- Summer 1994 Research Fellowship, Mathematical Behavioral Sciences, U.C. Irvine.
- Spring 1995 Regents' Dissertation Fellowship, Office of Graduate Studies, U.C. Irvine.
- Summer 1995 Research Fellowship, Interdisciplinary Program in Public Choice, U.C. Irvine.
- Summer 1995 Research Fellowship, Mathematical Behavioral Sciences, U.C. Irvine.
- 1995 A. Kimball Romney Award for the *Outstanding Graduate Student Paper*, School of Social Sciences, U.C. Irvine.
- 1995 *Outstanding Graduate Scholarship Award*, School of Social Sciences, U.C. Irvine.
- 1995 - 1997 Postdoctoral Fellowship funded by NSERC Collaborative Research Grant #CGP0164211 to A. A. J. Marley (and others) and by McGill University.
- 1997 Invited Participant: *Irvine Workshop for Junior Mathematical Behavioral Scientists*.
- 2000 Plaque from Weekend Executive MBA class at the Fuqua School of Business, with the inscription: "With grateful appreciation for your efforts on our behalf during the conduct of WBA 311, Probability and Statistics. Many thanks for your patience, humor and assistance during those occasionally dark days, and a very special thanks for the extra help you made available to those of us (most of us) who needed it."
- 2001-2002 Scholar in Residence, *Center for the Study of Democracy*, U.C. Irvine (December 17, 2001 - January 5, 2002).
- 2007 *Behavioral Social Choice* rated "Outstanding Academic Title" by *Choice Magazine*.
- 2007-2008 Associate, *Center for Advanced Study*, University of Illinois.
- 2008 Guest Professor, *Sonderforschungsbereich 504*, Universität Mannheim (Summer 2008).
- 2008-2009 Research Fellow, *Center for Adaptive Behavior and Cognition*, Max Planck Institute for Human Development, Berlin.
- 2009 Grant designated an *Arnold O. Beckman Research Award*.
- 2010 List of teachers ranked as excellent by their students, Spring 2010 (Psychology 534 / Accountancy 595).
- 2010 List of teachers ranked as excellent by their students, Spring 2010 (Psychology 593).
- 2011 Grant designated an *Arnold O. Beckman Research Award*.
- 2012 *Scalable Research Challenge (SRC) 2012* award (with doctoral student Chris Zwilling) from The Institute for Computing in the Humanities, Arts, and Social Science (I-CHASS) and the National Center for Super-Computing Applications (NCSA).



- 2012 List of teachers ranked as excellent by their students, Spring 2012 (Psychology 534 / Accountancy 595).
- 2012 List of teachers ranked as excellent by their students, Fall 2012 (Psychology 593).
- 2013 List of teachers ranked as excellent by their students, Spring 2013 (Psychology 534 / Accountancy 595).
- 2013 List of teachers ranked as excellent by their students, Fall 2013 (Psychology 593).
- 2014 List of teachers ranked as excellent by their students, Spring 2014 (Psychology 534 / Accountancy 595).
- 2014 List of teachers ranked as excellent by their students, Fall 2014 (Psychology 593).
- 2015 List of teachers ranked as excellent by their students, Spring 2015 (Psychology 534 / Accountancy 595).
- 2016-2017 Associate, *Center for Advanced Study*, University of Illinois.
- 2018 List of teachers ranked as excellent by their students, Spring 2018 (Psychology 534 / Accountancy 595).
- 2020 List of teachers ranked as excellent by their students, Spring 2020 (Psychology 593).
- 2021 List of teachers ranked as excellent by their students, Spring 2021 (Psychology 548 / Political Science 534).

**Supercomputer Allocations** (1 SU = 1 service unit = 1 CPU-hour)

- 2012-2013 *Extreme Science and Engineering Discovery Environment (XSEDE)* start-up allocation award SES120010 (PI: Regenwetter) “Testing Multiple Specifications of Theories of Decision Making,” (30,000 SUs, 12 months technical support) on *Blacklight* at Pittsburgh Supercomputing Center.
- 2013-2014 *Extreme Science and Engineering Discovery Environment (XSEDE)* full allocation award SES130016 (PI: Regenwetter) (450,000 SUs, 12 months technical support), on *Blacklight* at Pittsburgh Supercomputing Center.
- 2015 *Extreme Science and Engineering Discovery Environment (XSEDE)* renewal full allocation award SES130016 (PI: Regenwetter) (294,926 SUs, 12 months technical support), on *Blacklight* at Pittsburgh Supercomputing Center.
- 2016 *Extreme Science and Engineering Discovery Environment (XSEDE)* supplement SES130016 (PI: Regenwetter) (40,000 SUs), on *Greenfield* at Pittsburgh Supercomputing Center.
- 2017 *Extreme Science and Engineering Discovery Environment (XSEDE)* supplement SES130016 (PI: Regenwetter) (103,000 SUs), on *Bridges* at Pittsburgh Supercomputing Center.
- 2018-2019 *Extreme Science and Engineering Discovery Environment (XSEDE)* renewal full allocation award SES130016 (PI: Regenwetter) (733,000 service units, 12 months technical support), on *Bridges* at Pittsburgh Supercomputing Center.

## Grants

- 1998-2002 *Probabilistic Models of Social Choice*, National Science Foundation, SBR # 97-30076 (PI: M. Regenwetter), awarded by Methodology, Measurement and Statistics Program. Collaborative research with B. Grofman and A. A. J. Marley (PI: B. Grofman, U.C. Irvine, separate budget), \$114,998.
- 1999-2001 *Random Utility 2000*. National Science Foundation, SBR # 98-18756 (PI: M. Regenwetter, Co-PI: A. Pekeč), awarded by Decision, Risk and Management Science Program, \$30,000.
- 2000 Random Utility 2000 conference/workshop supported by *Center for International Business Education and Research* at Duke University (Organizers M. Regenwetter and A. Pekeč), \$5,000.
- 1999-2001 Random Utility 2000 conference/workshop supported by the Fuqua School of Business at Duke University (Organizers M. Regenwetter and A. Pekeč), \$6,000.
- 2002 *Mixture Models and Random Utility Models for Individual and Group Decision Making*. Research Grant from University Research Board of the University of Illinois at Urbana-Champaign, \$27,043.
- 2003 *Pilot Study: Probabilistic Analysis of American Psychological Association Election Ballots*. Research Grant from University Research Board of the University of Illinois at Urbana-Champaign, \$20,443.
- 2004 *Axiom Testing via Mixture Models: A Pilot Study on the Transitivity Axiom*. Research Grant from University Research Board of the University of Illinois at Urbana-Champaign, \$8,996.
- 2004-2008 *Quantitative Methods of Behavioral Research*, National Institute of Mental Health, # 5 T32 MH014257-30 (revised) (PI: M. Regenwetter), awarded by the National Institutes of Health. Training grant to the Quantitative Division at the Department of Psychology, University of Illinois at Urbana-Champaign, \$1,025,828.
- 2005-2008 *Testing Transitivity and Related Axioms of Preference for Individuals and Small Groups*. AFOSR # FA9550-05-1-0356 (PI: M. Regenwetter), awarded by the Air Force Office of Scientific Research, Perception and Cognition Program, \$320,985.
- 2007-2008 *The Role of Cognitive Aging in Choice Behavior: A Pilot Study*, Pilot Grant Program of the University of Illinois Center for Healthy Minds # PHS 1 P30 AG023101 (funded by the National Institutes of Aging), \$15,000.
- 2008-2013 *A Quantitative Behavioral Framework for Individual and Social Choice*, National Science Foundation, SES # 08-20009 (PI: M. Regenwetter), awarded by Decision, Risk and Management Science Program, \$381,517.
- 2009-2010 *Probabilistic Specification and Empirical Tests of Lexicographic Decision Rules*, Arnold O. Beckman Research Award from University Research Board of the University of Illinois at Urbana-Champaign, approx. \$18,500.
- 2011-2012 *Rationality and Irrationality of Decision Making under Uncertainty*, Arnold O. Beckman Research Award from University Research Board of the University of Illinois at Urbana-Champaign, approx. \$22,620.
- 2011-2013 *TransCoop Project: A Quantitative Analysis of Heuristics and Discounting Models of Intertemporal Choice* (PI: J. R. Stevens), awarded by the Alexander von Humboldt Foundation, Germany, EUR 50,122.

- 2011-2015 *A Quantitative Analysis of Heuristics and Discounting Models of Intertemporal Choice*, National Science Foundation, SES # 10-62045 (PI: M. Regenwetter), awarded by Decision, Risk and Management Science Program, \$485,112.
- 2012-2015 *ICES: Small: Collaborative Proposal: Robust Preference Aggregation*, National Science Foundation, CCF # 12-16016 (PI: M. Regenwetter), awarded by Interface between Computer Science and Economics & Social Sciences Program, \$52,672.
- 2015-2019 *Collaborative Research: Invariants of Decision Making*, National Science Foundation, SES # 14-59699 (PI: M. Regenwetter) & SES # 14-59866 (PI: Clinton P. Davis-Stober), awarded by Decision, Risk and Management Science Program, \$499,988 (combined).
- 2018-2019 *Modelling Stochastic Decision Processes in Individual and Interactive Behaviour*, Collaborative BRIDGE grant of the University of Birmingham (PI: Ganna Pogrebna) and the University of Illinois at Urbana-Champaign (PI: Michel Regenwetter), £11,000 and \$9,000.
- 2018-2019 *Behavioral Decision Research - To Go*, grant from the Social and Behavioral Sciences Research Initiative at the University of Illinois (PI: Michel Regenwetter; Co-PI: Hari Sundaram, Computer Science and Advertising, University of Illinois), \$19,376.
- 2019-2021 *Quantitative Analysis of Moral Judgment and Decision Making*, grant from University Research Board of the University of Illinois at Urbana-Champaign, (PI: Michel Regenwetter; Co-PI: Jonathan Livengood, Philosophy, University of Illinois), \$30,000.
- 2020 Travel grant, University Research Board, University of Illinois at Urbana-Champaign, \$750.
- 2020-2025 *A Multimodal Approach to Network Information Dynamics*, Multidisciplinary University Research Initiative (MURI) grant W911NF-20-1-0252, (PI: Cedric Langbort, Aerospace Engineering, University of Illinois at Urbana-Champaign; Co-PI: Michel Regenwetter, Psychology, University of Illinois at Urbana-Champaign; Co-PI: Tamer Başar, Electrical and Computer Engineering, University of Illinois at Urbana-Champaign; subcontracted scholars: Matthew Gentzkow, Economics, Stanford; Jeff Hancock, Communication, Stanford; Johan Ugander, Management Science & Engineering, Stanford), awarded by the Army Research Office, \$6,250,050.
- 2020-2021 *Behavioral Decision Research - To Go*, matching grant from the Center for Social and Behavioral Science at the University of Illinois (PI: Michel Regenwetter; Co-PI: Hari Sundaram, Computer Science and Advertising, University of Illinois), \$19,376.
- 2021-2023 *Crop insurance policy design and program participation: Conceptual and empirical analyses with economic and psychological decision paradigms*, National Institute of Food and Agriculture, AFRI # 2021-67023-34928 (PD: Hongli Feng, Agricultural, Food, and Resource Economics, Iowa State University; Co-PD: David A. Hennessy, Agricultural, Food, and Resource Economics, Iowa State University; Subcontracted Co-PD: Jennifer E. Ifft, Department of Agricultural Economics, Kansas State University; Subcontracted Co-PD: Michel Regenwetter, Psychology, University of Illinois at Urbana-Champaign; Subcontracted Co-PD: Robert S. Shupp, Agricultural, Food, and Resource Economics, Michigan State University), awarded by Economics, Markets and Trade Program, \$499,941.
- 2021-2024 *Advances in Behavioral Decision Analytics: Theory, Applications, and Training*, National Science Foundation, SES # 20-49896 (PI: M. Regenwetter, Psychology, University of Illinois at Urbana-Champaign; Subcontracted Co-PI: D. Cavagnaro) awarded by Decision, Risk and Management Science Program, \$585,025.

## Courses Taught

- Psychology      *Behavioral Social Choice* (Illinois, graduate). Teaching recognition in 2012.  
*How To Test Theories of Decision Making* (aka *Testing Decision Theories*) (Illinois, graduate). Teaching recognitions in 2010, 2013, 2014.  
*Modeling Heterogeneity* (Illinois, graduate). Teaching recognition in 2020, 2021.  
*Models of Decision and Choice* (Illinois, graduate). Teaching recognitions in 2010, 2012, 2013, 2014, 2015, 2018.  
*Mathematical Formulations in Psychological Theory* (Illinois, graduate & undergraduate).  
*Introduction to Statistics* (Illinois, undergraduate).  
*Psychological Statistics* (Illinois, advanced undergraduate).
- Business Administration      *Models of Decision and Choice* (Illinois, graduate). Teaching recognitions in 2010, 2012, 2013, 2014, 2015, 2018.  
*Probability and Statistics* (Duke MBA and Weekend Executive MBA). Teaching recognition in 2000.

## Service

### *Editorial & Reviewing*

- Guest Editor      *Management Science* (2003, Invited AE, 1 paper).  
*Journal of Mathematical Psychology* (2004-2006, w. Jean-Paul Doignon, *special double issue* in honor of Jean-Claude Falmagne).  
*Journal of Mathematical Psychology* (2021-2022, w. Fred Roberts & Clinton Davis-Stober, *special issue* in memory of Peter Fishburn).  
*Journal of Mathematical Psychology* (2021-2022, w. Hans Colonius and Joffre Swait, *special issue* in memory of A. A. J. Marley).
- Editorial Board      Associate Editor, *Journal of Mathematical Psychology* (2003 - present).  
Associate Editor, *Frontiers in Quantitative Psychology and Measurement* (2009 - 2015).  
Associate Editor, *Research & Politics* (2013 - present).  
Consulting Editor, *Perspectives on Psychological Science* (2007 - 2009).  
Consulting Editor, *Experimental Psychology* (2007 - present).  
Consulting Editor, *Psychological Methods* (2011 - 2013).  
Editorial Board, *Decision* (2015-present).
- Award Jury      *Exeter Prize for Research in Experimental Economics, Decision Theory and Behavioral Economics* (2016-2018).
- Referee      Journal Articles: *Acta Psychologica*; *American Political Science Review*; *American Journal of Political Science*; *Annals of Mathematics and Artificial Intelligence*; *Behavior Research Methods*; *Child Development*; *Chinese Journal of Psychology*; *Cognitive Psychology*; *Cognitive Science*; *Collabra:Psychology*; *Decision*; *Decision Analysis*; *Discrete Applied Mathematics*; *Group Decision and Negotiation*; *International Journal of Information Technology & Decision Making*; *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*; *Experimental Psychology*; *ISRN Mathematical Physics*; *Journal of Applied Probability*; *Journal of Artificial Intelligence Research*; *Journal of Behavioral Decision Making*; *Journal of Experimental Child Psychology*; *Journal of Experimental Psychology: General*; *Journal of Genetic Psychology*; *Journal of Mathematical Psychology*; *Judgment and Decision Making*; *Medical Decision Making*; *Management Science*; *Mathematical Social Sciences*; *Nature Communications*; *Naval Research Logistics*; *NeuroPsychoEconomics*; *Operations Research*; *Organizational Behavior and Human Decision Processes*; *Perspectives on*

*Psychological Science; Political Behavior; Psychological Bulletin; Psychological Methods; Psychological Review; Psychological Science; Psychometrika; Psychonomic Bulletin and Review; Public Choice; Public Opinion Quarterly; Science; Science Advances; Scientific Reports; Social Choice and Welfare; Theory and Decision; The Spanish Journal of Psychology; Wiley; Zeitschrift für Psychologie / Journal of Psychology.*

Research Grant Proposals: *Air Force Office of Scientific Research; Alexander von Humboldt Foundation; Center for Social and Behavioral Science at the University of Illinois at Urbana-Champaign; European Research Council; National Science Foundation (Decision, Risk and Management Science; Human Centered Computing; Methodology, Measurement and Statistics; Network Science and Engineering); Research Board of the University of Illinois at Urbana-Champaign.*

Other: *Encyclopedia of Social Measurement* (Academic Press); Cambridge University Press.

### Conferences

Program Committee      Society for Judgment and Decision Making (annual conference, 2008-2012).  
European Mathematical Psychology Group (annual conference, 2014, 2016).

Program Chair          Society for Judgment and Decision Making (annual conference, fall 2010).

Conference Organizer      *Random Utility 2000: International Conference and Workshop on Random Utility Theory and Probabilistic Measurement Theory* (co-organized with Aleksandar Pekeč). Fuqua School of Business, Duke University, August 3-8, 2000. Invited Senior Speakers: Ben-Akiva (MIT), Böckenholt (Urbana-Champaign), Busemeyer (Indiana), Doignon (Brussels), Falmagne (Irvine), Fishburn (AT&T), Heyer (Halle), Huber (Duke), Iverson (Irvine), Joe (UBC), Koppen (Nijmegen), Luce (Irvine), Marley (McGill), McFadden (Berkeley), Niederée (Kiel), Ovchinnikov (San Francisco), Roberts (Rutgers), Suck (Osnabrück), Suppes (Stanford).

Annual *European Mathematical Psychology Group* meeting, September 2007, Luxembourg (co-organized with Raymond Bisdorff and others). Invited Guest Speakers: Birnbaum (Fullerton), Böckenholt (McGill), Doignon (Brussels), Erdfelder (Mannheim), Iverson (UC Irvine), Pekeč (Duke), Rieskamp (Max Planck Berlin), Roberts (Rutgers), Schweickert (Purdue), Wakker (Rotterdam).

*Testing Theories of Choice Behavior*, July 2012, Berlin (co-organized with Jeffrey Stevens). Conference and workshop at the Max Planck Institute for Human Development, Berlin. Guest Speakers: Birnbaum (Fullerton), Cavagnaro (Fullerton), Glöckner (Bonn), Hey (York), Katsikopoulos (Berlin), Loomes (Warwick), Scholten (Lisbon), Rieskamp (Basel), Rubinstein (Tel Aviv), Wagenmakers (Amsterdam).

Tutorial Organizer      *DIMACS Tutorial on Social Choice and Computer Science* (co-organized with Kevin Chang). Center for Discrete Mathematics and Theoretical Computer Science, Rutgers University, May 10-14, 2004.

Festschrift Organizer      *Festschrift in Honor of Jean-Claude Falmagne* (co-organized with Chris Doble). Add-on meeting to the annual meeting of the Society for Mathematical Psychology, University of Michigan, August 1-2, 2004.

*Tribute to R. Duncan Luce (1925-2012)* (co-organized with Elke Weber, Columbia University). Society for Judgment and Decision Making, annual meeting, Toronto, November 15-18, 2013. Speakers: Elke Weber (Columbia), Michel Regenwetter (Illinois), Robyn

Keller (Irvine), George Wu (Chicago), Michael H. Birnbaum (Fullerton), James Townsend (Indiana), Barbara Mellers (Pennsylvania), David H. Krantz (Columbia), Ragnar Steingrims-son, Steve Link (McMasters), Carolyn Scheer Luce.

*Symposium in Honor of Jean-Claude Falmagne* (co-organized with Jürgen Heller and Jean-Paul Doignon). Plenary symposium at the annual meeting of European Mathematical Psychology Group, University of Tübingen, July 30, 2014.

Session Organizer      Institute for Operations Research and the Management Sciences (spring 1998). Session on *Random Utility Models*. Invited speakers: Fishburn (AT&T), Falmagne (U.C. Irvine).

Psychometric Society and Classification Society of North America (annual meeting, 1998). Session on *Recent Developments in Probabilistic Choice Modeling*. Invited speakers: Gonzalez-Vallejo (Ohio U.), Rotondo & Chaturvedi (AT&T), Busemeyer & Roe (Indiana).

Society for Mathematical Psychology (annual meeting, summer 1999). Session on *History and current developments related to probabilistic choice and measurement*. Invited Speakers: Chabot (McGill), Falmagne (U.C. Irvine), Ovchinnikov (C.S.U. San Francisco), Zhang (U. Michigan).

European Mathematical Psychology Group (annual meeting, summer 2006). Symposium on *Transitive or Intransitive Preference*. Invited Speakers: Doignon (Brussels), Davis-Stober (U.I. Urbana-Champaign).

Institute for Operations Research and the Management Sciences (fall 2007). Session on *Testing Decision Theories and Decision Axioms*. Invited speakers: Clinton P. Davis-Stober (U.I. Urbana-Champaign), William Messner (U.I. Urbana-Champaign).

*Symposium on Probabilistic Specification and Quantitative Testing of Decision Theories* (co-organized with Clinton P. Davis-Stober). Symposium at the annual meeting of the Society for Mathematical Psychology and of the International Conference on Cognitive Modelling, University of Wisconsin, Madison, July 2018. Combination of submitted and invited talks (10 presentations total).

### *Administrative*

Area Head      Quantitative Area, Department of Psychology, University of Illinois at Urbana-Champaign (2006 - 2008, 2009-2012, 2014-2016, 2017-2019).

Colloquium Organizer      *Decision Analysis Workshop*, colloquium series in the Decision Sciences Area, Fuqua School of Business (1998 - 2000),  
*Quantitative Psychology Seminar*, colloquium series at the Department of Psychology, U.I. Urbana-Champaign (various semesters).

Psychology Department Committees      Quantitative Psychology Search Committee (2002, 2019);  
Graduate Admissions Committee (2002 - 2005, 2019 - 2022);  
Undergraduate Studies Committee (2005 - 2006);  
Advisory Committee to the Department Head (2006 - 2008, 2009-2012, 2014-2016, 2017-2019);  
IT Advisory Committee (2018-2019).

Political Science Dept. Committees      Formal Theory and Empirical Methodology Committee (2001 - present).

College Committees      College of Liberal Arts and Sciences Awards Committee (2005 - 2007).

University Committees      University Fulbright Interview Committee (2010 - 2011).

Advisory Board      Decision Research Center, Mihaylo College of Business and Economics, California State University, Fullerton (2020 - present).

### **Free Summer Schools offered**

*Modeling Heterogeneity: Advances in Behavioral Decision Analytics*

Two week in-depth training, held jointly with D. Cavagnaro, followed by joint research collaboration with trainees' home labs. Fully NSF funded (SES # 20-49896).

**2021** Participating Trainees and their Laboratories:

L. Davidson & E. Pettit, Psychology PhD students, Miami U. of Ohio (J. Johnson, advisor).

L.X. Lim & A. Randez, Psychology PhD students, Purdue (S. Hélie, advisor).

A. Ortmann & M. Urs, Psychology PhD students, Stony Brook (C. Luhmann, advisor).

J. Adaryukov & X. Cai, Psychology PhD students, U. of Kansas (T. Pleskac, advisor).

**2022** Participating Trainees and their Laboratories:

C. Cao, Engineering and Public Policy PhD student, Carnegie Mellon (A. Davis, advisor).

C.D. Shaffer-Morrison, Envir. & Natural Resources Postdoc, Ohio State (R.S. Wilson, advisor).

J. Sommer, Psychology PhD student, Rutgers (P. Hemmer, advisor).

M. Harvey, Psychology PhD student, Simon Fraser (D.A. Connolly & H. Price, co-advisors).

J. Ludwig, Management Sci. Postdoc, U. of Tel Aviv (O. Weisel, advisor).

### **Free Training Workshops offered**

**2016** *Probabilistic Specification and Quantitative Testing of Decision Theories*. European Mathematical Psychology Group (EMPG) meeting, Copenhagen.

**2017** QTEST: *Quantitative Testing of Theories of Binary Choice*. 13. Tagung the Fachgruppe Methoden & Evaluation der Deutschen Gesellschaft für Psychologie (13. Meeting of the Methods & Evaluation Section of the German Society for Psychology), Tübingen.

**2018** QTEST: *Quantitative Testing of Theories of Binary Choice*. Annual meeting of the Society for Mathematical Psychology.

**2022** QTEST *Modeling Workshop*. Department of Psychology, Purdue University (7 participants).

*Workshop on Heterogeneity*. Department of Psychology, Miami University of Ohio (8 participants).

*Workshop on Heterogeneity*. Department of Psychology, Stony Brook University (20 participants).

*Workshop on Heterogeneity*. Department of Psychology, Uppsala University (13 participants).

### **Invited Conference Presentations**

**1994** International Conference on Combinatorics in the Behavioral Sciences, Institute for Mathematical Behavioral Sciences, U.C. Irvine.

**1995** Canadian Mathematical Society 50th Anniversary winter meeting, Vancouver.

**1996** Conference on Elections in Australia, Ireland and Malta under the Single Transferable Vote, Laguna Beach.

**1999** Mini-Workshop: Mathematical and Computational Approaches to Elections, Center for Discrete Mathematics and Theoretical Computer Science, Rutgers University.

Annual meeting, Society for Mathematical Psychology, U.C. Santa Cruz (Symposium on professional development).

- 2000** Joint Mathematics Meetings, Special Session: Mathematical Aspects of Consensus Theory, Washington, D.C.  
 Plenary address for the *Young Investigator Award*, annual meeting of the Society for Mathematical Psychology, Queens University.  
 Plenary lecture, annual meeting of the European Mathematical Psychology Group, Universität Graz.
- 2001** Mini-Conference on Mathematical Psychology, Department of Psychology, Purdue University.
- 2002** Plenary presentation, annual meeting of the European Mathematical Psychology Group, International University of Bremen (Symposium on Probabilistic Models of Choosing and Ranking).  
 The Purdue Winer Memorial Lectures, Department of Psychology, Purdue University.
- 2003** Workshop on Information Aggregation in Decision Making, University of Maryland.  
 Biannual meeting on Ordinal and Symbolic Data Analysis, U.C. Irvine.  
 The Purdue Winer Memorial Lectures, Department of Psychology, Purdue University.
- 2004** Invitational meeting on Analysis and Design of Electoral Systems, Mathematisches Forschungsinstitut Oberwolfach.  
 6<sup>th</sup> Invitational Choice Symposium, Estes Park.  
 The Purdue Winer Memorial Lectures, Department of Psychology, Purdue University.
- 2006** Cognition and Decision Program Review, Air Force Office of Scientific Research (with C. Davis-Stober, presented by CDS).  
 Coombs Memorial Lecture, Department of Psychology, University of Michigan.  
 Workshop on Decision Modeling and Behavior in Uncertain and Complex Environments, University of Arizona.  
 Workshop on Polyhedral Combinatorics of Random Utility, Center for Discrete Mathematics and Theoretical Computer Science, Rutgers University.  
 Workshop on Voting Theory and Preference Modelling, Laboratoire d'Analyse et Modélisation de Systèmes pour d'Aide à la Décision, Université Paris Dauphine and Center for Discrete Mathematics and Theoretical Computer Science, Rutgers University.
- 2007** Cognition and Decision Program Review, Air Force Office of Scientific Research.
- 2008** Cognition and Decision Program Review, Air Force Office of Scientific Research.  
 Formal Models of Memory, Judgment, & Decision Making, University of Mannheim.
- 2009** Dutch Social Choice Group, University of Tilburg (two presentations).
- 2010** American Mathematical Society, Special Session on Voting Theory at the 2010 Joint Mathematics Meeting, San Francisco (with A. Popova, presented by AP).  
 The Purdue Winer Memorial Lectures, Department of Psychology, Purdue University.
- 2011** Structural Modeling of Heterogeneity in Discrete Choice Under Risk and Uncertainty, Center for the Economic Analysis of Risk, Georgia State University.
- 2012** International Symposium on Artificial Intelligence and Mathematics, Fort Lauderdale.



Judgment Aggregation: Computational Perspectives, University of Luxembourg.

Workshop on Noise and Imprecision in Individual and Interactive Decision-Making, University of Warwick.

Workshop on Social Choice: Theory and Practice, Neural Information Processing Systems Foundation, Lake Tahoe.

**2014** IMBS Conference on Meaningfulness and Learning Spaces: A Tribute to the work of Jean-Claude Falmagne, Institute for Mathematical Behavioral Sciences, U.C. Irvine.

Symposium in honor of Jean-Claude Falmagne, founder of the EMPG, for his 80th birthday, European Mathematical Psychology Group meeting, Universität Tübingen.

**2015** IMBS Conference on Behavioral Social Choice: A Tribute to Bernard Grofman for his 70th birthday, Institute for Mathematical Behavioral Sciences, U.C. Irvine.

**2016** New Directions in Political Persuasion, Laguna Beach.

Plenary presentation, Foundations of Utility and Risk, bi-annual international conference, Warwick.

**2017** Keynote, 13. Tagung the Fachgruppe Methoden & Evaluation der Deutschen Gesellschaft für Psychologie (13. Meeting of the Methods & Evaluation Section of the German Society for Psychology), Tübingen.

**2018** 2nd Copenhagen Workshop on Limited Attention, Selective Perception and Bounded Rationality in Decision Making.

Mathematical Models of Decision Making Processes, Universidad Complutense, Madrid.

The Purdue Winer Memorial Lectures, Department of Psychology, Purdue University.

**2019** Workshop on Risk, Choice, and Social Preferences, University of Birmingham, UK.

Current Trends in Mathematical Psychology, Psychonomics Pre-Conference

### **Invited Talks in Academic Departments**

**1993** Cognitive Psychology Colloquium, Universität Bonn.

**1994** Quantitative Psychology Colloquium, U.I. Urbana-Champaign.

**1995** Research group of Dr. G. Gigerenzer, Dept. of Psychology, University of Chicago.

Research group of Dr. A.A.J. Marley, Dept. of Psychology, McGill University.

Cognitive Psychology Colloquium, Universität Bonn.

**1996** Cognitive Psychology Colloquium, DePaul University.

Statistics Colloquium, Department of Mathematics and Statistics, Université Laval.

Research Group on Decision Aid and Preference Modeling, Departments of Mathematics and of Operations Research, Free University of Brussels.

Contact group in Decision Making, Department of Mathematics, Free University of Brussels.

**1997** Decision Analysis Workshop, Decision Sciences Group, The Fuqua School of Business, Duke University.

Cognitive Psychology Colloquium, University of Maryland at College Park.

- 1998** Cognitive Bag Lunch, UNC Chapel-Hill.
- 1999** Department of Psychology, University of Michigan.  
Institute for Social Research, University of Michigan.  
Department of Psychology, Ohio State University.  
Department of Psychology, U.I. Urbana-Champaign.
- 2000** Darden School of Business, University of Virginia.  
Cognitive Psychology Colloquium, Department of Psychology, Universität Trier.  
Psychology Colloquium, Department of Psychology, Universität Bonn.
- 2001** Institute for Mathematical Behavioral Sciences, U.C. Irvine.
- 2003** Workshop in Political Theory and Policy Analysis, Indiana University.
- 2005** Decision Sciences Seminar, INSEAD.
- 2006** Institute for Mathematical Behavioral Sciences, U.C. Irvine.  
Psychology Colloquium, Department of Psychology, Universität Heidelberg.  
Psychology Colloquium, Department of Psychology, Universität Mannheim.  
Colloquium, Applied Mathematics Unit, University of Luxembourg.  
Decision Processes Seminar, Wharton School of Business, University of Pennsylvania.
- 2007** Invited Inaugural Address for the *NSM Decision Lab*, Faculty of Management Sciences, University of Nijmegen,  
Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin.
- 2008** Psychology Colloquium, Department of Psychology, University of Oklahoma at Norman.  
Psychology Colloquium, Department of Psychology, University of Maryland at College Park.  
Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin.
- 2009** Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin.  
Intuitive Experts Group, Max Planck Institute for Research on Collective Goods, Bonn.
- 2011** Institute for Mathematical Behavioral Sciences, U.C. Irvine.  
Quantitative Psychology Colloquium, Department of Psychology, Notre Dame.  
Department of Mathematics, Andrews University.
- 2012** Intuitive Experts Group, Max Planck Institute for Research on Collective Goods, Bonn.  
Acceptance lecture, *Exeter Prize for Research in Experimental Economics, Decision Theory and Behavioral Economics*, University of Exeter.
- 2013** Center for Operations Research and Business Statistics, Faculty of Business and Economics, KU Leuven.  
Intuitive Experts Group, Max Planck Institute for Research on Collective Goods, Bonn.  
Quantitative Psychology, Department of Psychology, Ohio State University.

Economic Science Institute lecture, Chapman University.

Area of Management, Anderson School of Management, University of California at Riverside.

Department of Psychology, University of South Carolina.

**2014** Quantitative Psychology, Department of Psychology, Purdue University.

Department of Psychology, University of South Carolina.

**2015** Department of Psychology, National Taiwan University.

Statistical Sciences Institute, Academia Sinica, Taipei.

**2016** Department of Computer Science, University of Kentucky.

**2019** Academy of Integrated Science, Virginia Tech.

**2021** Department of Psychology, Universität zu Köln.

**2022** Institute for Advanced Computational Science, Stony Brook University.

Department of Psychology, Uppsala University.

### **Invited Public Lectures**

**2009** Internationales Begegnungszentrum der Wissenschaft, Berlin.

**2018** Center for Advanced Study, University of Illinois at Urbana-Champaign.

### **Regular Conference Presentations**

**1992** Annual meeting, European Mathematical Psychology Group, the Free University of Brussels.

**1993** Annual meeting, Society for Mathematical Psychology, University of Oklahoma at Norman.

**1994** Annual meeting, European Mathematical Psychology Group, Universidad Complutense, Madrid.

Annual meeting, Society for Mathematical Psychology, University of Washington, Seattle.

**1995** Annual meeting, the Public Choice Society and the Economic Science Association, Long Beach (co-author on two talks: with B. Grofman; with J.-Cl. Falmagne, & B. Grofman).

FRANCORO – Rencontres francophones de recherche operationelle, Mons (with J.P. Doignon, presented by JPD).

Annual meeting, Society for Mathematical Psychology, U.C. Irvine.

Annual meeting, European Mathematical Psychology Group, Universität Regensburg.

Annual meeting, Society for Judgment and Decision Making, Los Angeles.

**1996** Annual meeting, Society for Mathematical Psychology, UNC Chapel Hill (co-author on two talks: with A. A. J. Marley; with A. A. J. Marley & H. Joe, presented by AM).

Order and Decision Making, University of Ottawa.

Annual meeting, European Mathematical Psychology Group, Università di Padova.

**1997** Eighth Australasian Mathematical Psychology Conference, University of Western Australia (with A. A. J. Marley & H. Joe, presented by AM).

- 1998** Annual meeting, the Public Choice Society and the Economic Science Association, New Orleans (with M. Berger, presented by MB).  
Semi-annual meeting, Institute for Operations Research and the Management Sciences, Montreal.  
Annual meeting, the Psychometric Society and the Classification Society of North America, U.I. Urbana-Champaign.
- 1999** Annual meeting, Society for Mathematical Psychology, U.C. Santa Cruz.  
Annual meeting, American Political Science Association, Atlanta (with M. Berger, presented by MB).
- 2000** Annual meeting, the Public Choice Society and the Economic Science Association, Charleston (with J. Adams and B. Grofman, presented by BG).  
Biannual meeting on Ordinal and Symbolic Data Analysis, Free University of Brussels.  
Random Utility 2000, Conference and Workshop on Random Utility Theory and Probabilistic Measurement Theory, Fuqua School of Business, Duke University.
- 2001** Annual meeting, the Public Choice Society and the Economic Science Association, San Antonio (with I. Tsetlin, presented by IT).
- 2002** Annual meeting, the Public Choice Society and the Economic Science Association, San Diego (coauthor on five talks: with A. A. J. Marley and B. Grofman; with Y.-F. Hsu, presented by Y.-F.H.; 2 papers with A. Pekeč, presented by A.P.; with I. Tsetlin, presented by IT).  
Annual meeting, Society for Mathematical Psychology, Ohio University (co-author on two talks: with M.-H. Ho, presented by MH; with E. Rykhlevskaia, presented by ER).
- 2003** Annual meeting, Society for Mathematical Psychology, Weber State University.  
Biannual meeting on Ordinal and Symbolic Data Analysis, U.C. Irvine.
- 2004** Annual meeting, Society for Mathematical Psychology, University of Michigan (co-author on two talks: with A. Kim and A. Kantor, presented by AK; with E. Rykhlevskaia, presented by ER).  
Annual meeting, Society for Judgment and Decision Making, Minneapolis.
- 2005** Annual meeting, Society for Mathematical Psychology, University of Memphis (with C. Davis-Stober, presented by CDS).
- 2006** Annual meeting, (Ward Edwards) Bayesian Research Conference, Fullerton.  
Workshop on Decision Research at UIUC, University of Illinois at Urbana-Champaign.  
Annual meeting, Society for Mathematical Psychology, Vancouver.  
Annual meeting, European Mathematical Psychology Group, École Nationale Supérieure des Télécommunications de Bretagne.
- 2007** Annual meeting, Society for Mathematical Psychology, Costa Mesa (co-author on four talks: with C. Davis-Stober and J. Dana; with C. Davis-Stober, presented by CDS, with W. Messner, presented by WM; with Y.-F. Hsu, presented by YFH).  
Annual meeting, European Mathematical Psychology Group, University of Luxembourg. (co-author on three talks: with C. Davis-Stober and J. Dana; with C. Davis-Stober, presented by CDS, with W. Messner, presented by WM).

- Annual Meeting, Institute for Operations Research and the Management Sciences, Seattle. (co-author on three talks: with C. Davis-Stober; with C. Davis-Stober, presented by CDS, with W. Messner, presented by WM).
- 2008** Annual meeting, European Mathematical Psychology Group, Universität Graz.  
Annual Meeting, Society for Judgment and Decision Making, Chicago.  
Annual meeting, the Public Choice Society and the Economic Science Association, San Antonio (with A. Popova, presented by AP).
- 2010** Annual meeting, Society for Mathematical Psychology, Portland (co-author on three talks: with C. Davis-Stober, S. Lim, W. Messner; with C. Zwilling, W. Messner, and A. Popova, presented by CZ; with A. Popova and S. Popov, presented by AP).  
Annual meeting, Society for Judgment and Decision Making, St. Louis (last author on two talks: with A. Popova and W. Messner, presented by A.P.; with C. Zwilling, W. Messner, and A. Popova, presented by CZ).
- 2011** Annual meeting, (Ward Edwards) Bayesian Research Conference, Fullerton (with A. Popova, presented by AP).  
Annual meeting, Society for Mathematical Psychology, Tufts University (co-author on two talks: with Y. Guo; with C. Zwilling and D. Cavagnaro, presented by CZ).  
Annual meeting, European Mathematical Psychology Group, Telecom Paris Tech (with C. Zwilling, C. Cavagnaro, and A. Popova, presented by CZ).  
Annual meeting, Society for Judgment and Decision Making, Seattle (with Y. Guo).
- 2012** Foundations and Applications of Utility, Risk and Decision Theory (FUR XV), Georgia State University (co-author on three talks: with C. Davis-Stober; with S. Popov and A. Popova, presented by AP; with C. Davis-Stober, S.-H. Lim, W. Messner, and C. Zwilling).  
Testing Theories of Choice Behavior, Conference and Workshop, Berlin.  
Annual meeting, Society for Mathematical Psychology, Ohio State University (with C. Zwilling, presented by CZ).  
Annual meeting, Society for Judgment and Decision Making, Minneapolis (with C. Davis-Stober, S. Lim, Y. Cha, Y. Guo, W. Messner, A. Popova, and C. Zwilling).
- 2013** Joint annual meeting, Society for Mathematical Psychology and European Mathematical Psychology Group, Potsdam.  
Annual meeting, Society for Judgment and Decision Making, Tribute to R. Duncan Luce, Toronto.
- 2015** Annual meeting, Society for Mathematical Psychology, Newport Beach (co-author on two talks: with J. Müller-Trede; with D.R. Cavagnaro and A. Popova, presented by DC.)  
Fourth International Conference on Algorithmic Decision Theory, Lexington (co-author with T.E. Allen, M. Chen, J. Goldstein, N. Mattei, A. Popova, F. Rossi, and C. Zwilling).  
Annual meeting, Society for Judgment and Decision Making, Toronto (with M. Robinson, presented by MRo).
- 2016** One-day workshop on Probabilistic Specification and Quantitative Testing of Decision Theories, preceding the EMPG meeting, Copenhagen.

Annual meeting, European Mathematical Psychology Group, Copenhagen (co-author on three talks: with J. Müller-Trede; with M. Chen, presented by MC; with D.R. Cavagnaro and A. Popova, presented by DC).

Foundations of Uncertainty and Risk (FUR '18), University of Warwick (co-author on three talks: with M. Chen; with J. Müller-Trede; with D.R. Cavagnaro and A. Popova, presented by DC).

Annual Summer Interdisciplinary Conference (ASIC), Selva, Val Gardena (with M. Robinson).

Annual meeting, Society for Mathematical Psychology, New Brunswick (with M. Robinson).

**2017** Annual meeting, Society for Mathematical Psychology, the European Mathematical Psychology Group and of the International Conference on Cognitive Modelling, Warwick (with M. Robinson).

**2018** Annual meeting, Society for Mathematical Psychology, Madison (co-author on five talks: with D.R. Cavagnaro, presented by DC; with B. Fields, B. Smeulders, C. Davis-Stober, and C. Wang, presented by BF; with C. Davis-Stober and Sanghyuk Park, presented by CDS; two with C. Davis-Stober, presented by MR).

**2019** Annual meeting, Psychonomics, Montreal (with J. Müller-Trede).

**2022** Annual meeting, Society for Mathematical Psychology, Toronto (co-author on two talks: with D.R. Cavagnaro, presented by DC; with Ying Guo, Meichai Chen, and Emily Neu Line, presented by M.C.).

Annual meeting, European Mathematical Psychology Group, University of Trento, Rovereto (with D. Cavagnaro, via Zoom).

Gateways 2022, meeting of the Science Gateways Community Institute (with J. Alameda, C. Stirm, G. Bauer, T. Boerner, B. Bode, M. Dahan, W. Gropp, M. Pierce, C. Yewdall, M. Zentner, M. Babbar-Sebens, M. Barton, D. Bianchi, M. Bell, M. Boufadel, M. Cianfrocco, S. Cleveland, C. Daskiran, K. Fagnan, G. Fox, E. Garyfallidis, J. Hajjar, G. Klimeck, M. Miller, M. Perri, V. Pinks II, M. Ramamurthy, A. Roberts, A. Romero, C. Song, A. Strachan, E. Tadmor and G. Tucker).

## Posters at Conferences

**1994** Biannual Behavioral Decision Research in Management conference, Massachusetts Institute of Technology.

Annual meeting, Society for Judgment and Decision Making, St. Louis.

**1996** Annual meeting, Society for Judgment and Decision Making, Chicago.

**2005** Annual meeting, Society for Judgment and Decision Making, Toronto (co-author on two posters: with A. Kim; with C. Davis-Stober).

**2012** Testing Theories of Choice Behavior, Conference and Workshop, Berlin. (co-author on two posters: with Davis-Stober, Lim, Cha, Guo, Messner, Popova, and Zwilling; with A. Popova and S. Popov).

Annual meeting, Society for Judgment and Decision Making, Minneapolis (co-author on three posters: with Davis-Stober, Lim, Cha, Guo, Messner, Popova, and Zwilling; with A. Popova and S. Popov; with Y. Guo).

**2013** Annual meeting, Society for Judgment and Decision Making, Toronto (with J. Stevens, Y. Guo, A. Popova, and C. Zwilling).

Annual meeting, The Psychonomic Society, Toronto (with J. Stevens, Y. Guo, A. Popova, and C. Zwilling).

- 2015** Annual meeting, Society for Judgment and Decision Making, Chicago (co-author on two posters: with M. Chen; with Y. Guo).
- 2018** Annual meeting, Society for Mathematical Psychology, Madison (with Y. Guo, D. Mejia, and B. Fields).
- 2019** Jump ARCHES Annual Health Care Engineering Systems Symposium and Interactive Medical Simulation Expo, University of Illinois at Urbana-Champaign (with H. Sundaram and D.R.Cavagnaro).

### **Presentations at Home Institution**

- 1991** Cognitive Psychology Colloquium, Universität Bonn.  
Cognitive Psychology Colloquium, Universität Bonn (Diplom Thesis presentation).
- 1993** Mathematical Behavioral Sciences Colloquium, U.C. Irvine (Second Year Project).
- 1995** Mathematical Behavioral Sciences Colloquium, U.C. Irvine (Public Dissertation Defense).
- 1996** Cognitive Bag Lunch, Department of Psychology, McGill University.
- 1998** Weekly graduate student discussion group, Department of Political Science, Duke University (with M. Berger, presented by MB).
- 1999** Marketing Colloquium, Fuqua School of Business, Duke University.
- 2000** Decision Analysis workshop, Fuqua School of Business, Duke University.
- 2001** Quantitative Seminar, Department of Psychology, U.I. Urbana-Champaign.  
Cognitive Brown Bag, Department of Psychology, U.I. Urbana-Champaign.
- 2003** Political Science Colloquium, Department of Political Science, U.I. Urbana-Champaign.
- 2004** Quantitative Seminar, Department of Psychology, U.I. Urbana-Champaign.
- 2005** Program in Systems and Entrepreneurial Engineering Seminar, Department of General Engineering, U.I. Urbana-Champaign.
- 2006** Quantitative Seminar, Department of Psychology, U.I. Urbana-Champaign.
- 2009** Quantitative Seminar, Department of Psychology, U.I. Urbana-Champaign.
- 2010** Quantitative Proseminar, Department of Psychology, U.I. Urbana-Champaign.  
Visual Cognition and Human Performance Proseminar, Department of Psychology, U.I. Urbana-Champaign.
- 2011** Safe Global Water Workshop, U.I. Urbana-Champaign.
- 2012** Social-Personality-Organizational Psychology Proseminar, Department of Psychology, U.I. Urbana-Champaign.  
Allerton workshop on Cognitive and Algorithmic Decision Making, U.I. Urbana-Champaign.  
Political Science Colloquium, Department of Political Science, U.I. Urbana-Champaign.
- 2013** Coordinated Science Laboratory workshop on Cognitive and Algorithmic Decision Making, U.I. Urbana-Champaign.  
Decision Neuroscience Lab, U.I. Urbana-Champaign.

- 2014** Coordinated Science Laboratory workshop on Cognitive and Algorithmic Users, Systems, and Environments (CAUSE), U.I. Urbana-Champaign.
- 2017** Quantitative Proseminar, Department of Psychology, U.I. Urbana-Champaign.  
Student Faculty Seminar, Department of Political Science, U.I. Urbana-Champaign.
- 2018** Quantitative Proseminar, Department of Psychology, U.I. Urbana-Champaign.  
Cognitive Proseminar, Department of Psychology, U.I. Urbana-Champaign.
- 2019** Faculty Seminar, Department of Industrial and Enterprise Systems Engineering, U.I. Urbana-Champaign.  
Attention and Perception Proseminar, Department of Psychology, U.I. Urbana-Champaign.
- 2020** MURI Kickoff Meeting (via zoom), University of Illinois, Stanford University, Army Research Office.
- 2021** MURI Group Meeting (via zoom), University of Illinois, Stanford University.  
MURI First Year Review Meeting (via zoom), University of Illinois, Stanford University, Army Research Office.  
Cognitive Proseminar, Department of Psychology, U.I. Urbana-Champaign.