

List of Publications (Thomas Pitz)

Refereed Journals

- [1] Autonome Shuttle-Busse im ÖPNV: Erkenntnisse aus 17 Pilotprojekten in Deutschland, (with Römer, J., Goldbach, C., Sickmann, J.), ZfV, (2023)
- [2] Trust in the Machine: How Contextual Factors and Personality Traits Shape Algorithm Aversion and Collaboration. (with Vinícius, F. Leon, H., Schwier, C., Sickmann, J.) SRN: <https://ssrn.com/abstract=4891768> or <http://dx.doi.org/10.2139/ssrn.4891768> Analyzing the Impact of Strategic Behavior in an Evolutionary Learning Model Using a Genetic Algorithm, (with Ferraz, V.), Comput Econ: (2022)
- [3] Driving, Fast and Slow: An Experimental Investigation of Speed Choice and Information, SAGE Open (with Goldbach, C., Kayar, D., Sickmann, J.), SAGE open: (2022)
- [4] Towards autonomous public transportation: Attitudes and intentions of the local population, (with Goldbach, C., Sickmann, J., Zimasa, T.), Transportation Research Interdisciplinary Perspectives, Vol. 13, March (2022)
- [5] Sequential decision bias – Evidence from grading exams, (with Goldbach, C., Sickmann, J.), Applied economics incorporating Applied financial economics: (2021)
- [6] Das Benfordsche Gesetz als Werkzeug zur Aufdeckung von Umsatzmanipulationen in der Gastronomie? – Eine Fallstudie (with Klapdor, R., Gardian, W., Haseleu, U.), StuW: (2021)
- [7] Two distinct and separable processes underlie individual differences in algorithm adherence: differences in predictions and differences in trust thresholds, (Fenneman, A., Sickmann, J., Pitz, T. & Stanfey, A.): PLOS ONE: (2021)
- [8] Comparison of Competing Market Mechanisms with Reinforcement Learning in a Car Pooling Scenario, (with D. Kayar, W. Gardian, J. Sickmann, H. Alkas), Transportation Research Interdisciplinary Perspectives: (2020)
- [9] The Fast and the Furious - An Experimental Investigation of the Pace of Life and Risky Speed Choice in Traffic, (with C. Goldbach, C. Hoffmann, J. Hoppe, K. Thommes): PLOS ONE: (2020)
- [10] Transferring decisions to an algorithm: A simple route choice experiment, Transportation Research Part F, pp. 402 -417, (with C. Goldbach, D. Kayar, J. Sickmann): (2019)
- [11] Mobilität im ländlichen Raum, Untersuchung der Motivation für ein ehrenamtliches Engagement in Bürgerbusvereinen, accepted ZfV, Zeitschrift für Verkehrswissenschaft, (with: Sickmann, J., Gardian, W., Alkas, H. Buder, I.): (2018)
- [12] A simple stochastic cellular automaton for synchronized traffic flow, Physica A, (with T. Chmura, B. Herz, F. Knorr, M. Schreckenberg): (2014)
- [13] Bargaining Over Perfect Complements Owned Separately: With Experimental Test, Economics Letters, (with T. Chmura, N. Yu, N. Sun): (2009)
- [14] The Minority Game: Experiments and Simulations, Journal of Systems and Management, 2007 Vol. 16 Bo. 6, p. 585-590, (with T. Chmura, Fang-yu Fei): (2007)
- [15] Simulating Complex Social Behavior with the Genetic Action Tree Kernel, Computational and Mathematical Organization Theory, 13 (4), p. 355-377, (with T. Chmura, J. Kaiser): (2007)
- [16] Commuters Route Choice-Behaviour, Games and Economic Behaviour 58, p. 294-406, (with R. Selten, M. Schreckenberg, T. Chmura, S. Kube): (2007)
- [17] An Extended Reinforcement Algorithm for Estimation of Human Behaviour in Congestion Games, Journal of Artificial Societies and Social Simulation (JASSS), (with T. Chmura): (2006)
- [18] The Successful Stoics - An Astonishing Property of the Minority Game, Physica A, p. 41-44, (with T. Chmura): (2006)
- [19] Testing (Beliefs about) Social Preferences: Evidence from an Experimental Coordination Game, Economics Letters, Vol. 88 (2), 214-220, (with T. Chmura, S. Kube, C. Puppe): (2005)

Contributions to Books & Online Journals

- [20]Public perception of artificial intelligence and algorithmic decision-making systems: A systematic evaluation of newspaper articles using sentiment analysis. (with Rana, Z., Römer, J., Sickmann, J.) in: AI in Business and Economics. EPEAI Conference Volume. Part 6: Artificial Intelligence and Humans, pp. 155-169. DOI: 10.1515/9783110790320-012. ns to Books & Online Journals: (2024)
- [21]Mobility and Trust in Algorithms: Attitude of Consumers towards Algorithmic Decision-making Systems in the Mobility Sector, (with Römer, J., Rana, Z., Sickmann, J., Pitz, T. & Goldbach, C.), in: Proff, H. (eds) Towards the New Normal in Mobility. Springer Gabler, Wiesbaden. https://doi.org/10.1007/978-3-658-39438-7_33: (2023)
- [22]Autonom fahrende Elektrokleinbusse in Fußgängerzonen. (with Bartsch, K., Kayar, D., Schreckenberg, M., Sickmann, J., in: Proff, H. (eds) Transforming Mobility – What Next?. Springer Gabler, Wiesbaden: (2022)
- [23]Ein einfaches Konstruktionsverfahren für 2x2-Matrixspiele zur strategischen Beschreibung von Krisen und Konflikten, in: Angewandt auf ein Kidnapping-Szenario, Political Science Applied – Zeitschrift für angewandte Politikwissenschaft“ zum Thema „Frieden und Sicherheit“, Ed. J. Lempp, A. Meyer, J. Rolf: (2019)
- [24]Die Abschaffung von Kleinmünzen durch Rundung, Ergebnisse einer Beleganalyse sowie einer Händler- und Kundenbefragung in Kleve zur Rundung auf den nächsten Fünf-Cent-Betrag, in: Die Zukunft des Bargeldes – Aktuelle Diskussionen in Wissenschaft und Praxis, Hg: Lempp J., Pitz, T., Sickmann, J., (with J., Lempp, J., Sickmann), Springer: (2018)
- [25]A Simple Cellular Automaton Model with Limited Braking Rule; in: Traffic and Granular Flow '13, Herausgeber: Mohcine Chraïbi, Maik Boltes, Andreas Schadschneider, Armin Seyfried, Springer, 591-597: (with Chmura, T., Herz, B., Knorr, F., Schreckenberg, M.): (2015)
- [26]Laboratory Experiments with Nagel Schreckenberg Algorithm, in Traffic and Granular Flow '05, T. Pöschel, A. Schadschneider, R. Kühne, M. Schreckenberg, D. E. Wolf (Eds). Springer, Heidelberg, p. 143-167. (with T. Chmura, M. Schreckenberg): (2006)
- [27]Effects of Advanced Traveller Information Systems on Agents' Behaviour in a Traffic Scenario, in: T. Pöschel, A. Schadschneider, R. Kühne, M. Schreckenberg, D. E. Wolf (Eds): Traffic and Granular Flow '05, p. 631-640, Springer, Heidelberg, p. 53-71, (with T. Chmura, J. Kaiser, M. Blumberg, M. Brück): (2006)
- [28]NETSIM - A software environment to study route choice behavior in laboratory experiments, European Social Simulation Association 2005. (with T. Chmura, M. Möhring, K. Troitzsch): (2005)
- [29]Experimental Investigation of a Two Route Scenario with Construction Areas, in: S.P. Hoogendoorn, S. Luding, P.H.L. Bovy, M. Schreckenberg, and D.E. Wolf (Eds.), Traffic and Granular Flow '03, Springer, Heidelberg, p. 317-325, (with T. Chmura, M. Schreckenberg): (2005)
- [30]Die Szenariobündelmethode - Am Beispiel Bosnien und Herzegowina, in: Bosnien und Herzegowina, Europas Balkanpolitik auf dem Prüfstand, Ed.: Erich Reiter, Predrag Jurekovic, Nomos Verlag, Baden-Baden, p. 163-179, (with R. Selten, T. Chmura): (2004)
- [31]Die Szenariobündelmethode - Am Beispiel Kosovo Zur Lösung des Kosovokonflikts, in: Ed. E. Reiter, R. Selten, Nomos Verlagsgesellschaft, Baden-Baden, p.11-44, (with R. Selten, T. Chmura): (2004)
- [32]Experimental Investigation of Day-to-Day Route Choice-Behaviour and Simulation of Autobahn Traffic in NRW, (Springer, Heidelberg). Ed. R. Selten, M. Schreckenberg, Traffic and Human Behaviour, (Springer, Heidelberg), p. 1-23, (with R. Selten, M. Schreckenberg, T. Chmura, S. Kube, S. F. Hafstein, R. Chrobok, A. Pottmeier, J. Wahle): (2004)

- [33]Survey and Forcasts on Public Transportation in North Rhine Westphalia, R. Selten, M. Schreckenberg, Traffic and Human Behaviour (Eds.), (Springer, Heidelberg), p. 155- 167. (with T. Chmura, G. Harloff): (2004)
- [34]Experimentelle Untersuchung zum Routenwahlverfahren, Herausgegeben von Nordrhein-Westfälische Akademie d. Wissenschaften, Symposium Transportsysteme und Verkehrspolitik, Ferdinand Schöningh Verlag, S. 89-98, (with R. Selten, M. Schreckenberg, Th. Chmura, S. Kube): (2004)
- [35]Experiments on Route Choice Behaviour, Emmerich, B. Nestler, M. (Eds.), Lecture Notes in Computers Science 32, Schreckenberg, Interface and Transport Dynamics, (Springer, Heidelberg), p. 317-320, (with M. Schreckenberg, R. Selten, T. Chmura, J. Wahle): (2003)
- [36]Experimental Investigation of Day-to-Day Route Choice Behaviour, M. Fukui, Y. Sugiyama, D. E. Wolf (Eds.), Traffic and Granular Flow '01 (Springer, Heidelberg), p. 325-331, (with M. Schreckenberg, R. Selten, T. Chmura, J. Wahle): (2002)
- [37]How can we Avoid Traffic Jams? Simulating the Social Practice of Joint Ride, in: Urban Ch. (Ed) 3rd Workshop on Agent-Based Simulation, April 7-9, Passau, Germany, p. 50-54, (with S. Hofmann, P. Mäkelä, T. Chmura): (2002)
- [38]Genetic Algorithms in Actiontrees, in: Urban Ch. (Ed) 2nd Workshop on Agent- Based Simulation, Mai 2-3, Passau, Germany, p. 130 -133: (2002)

Books

- [39] Die Zukunft des Bargelds – eine Einleitung, in: Die Zukunft des Bargeldes – Aktuelle Diskussionen in Wissenschaft und Praxis, Hg: Lempp, J., Pitz, T., Sickmann, J., Springer, (with: Lempp, J., Sickmann, J., Rolf, J.): (2018)
- [40]Genetische Algorithmen auf Handlungsbäume in Multiagentensystemen zur Simulation sozialen Handelns, Verlag Peter Lang Europäische Hochschulschriften, Dissertation, LMU München: (2000)

Discussion Paper

- [41]Zur Messung von Fraktionsmacht – Ein gewichteter Machtindex mit Kohäsionskoeffizienten zur Messung der relativen Fraktionsmacht in Parlamenten am Beispiel des Deutschen Bundestages, Discussion Papers in Behavioural Sciences and Economics, University of Appl. Science Rhine-Wahl, Kleve No. 3: (Lempp, J.): (2017)
- [42]At the Mercy of the Prisoner Next Door Using an Experimental Measure of Selfishness as a Criminological Tool, with T. Chmura, C. Engel, M. Englerth, Preprint Max Planck Institut, Bonn: (2010)
- [43]An experimental of migrant workers in Chinese society: discrimination towards them and their trustworthiness, SJTU Discussion Paper, (with T. Chmura, S. Goerg, T. Xiao): (2009)
- [44]Are Chinese or German the better Drivers? SJTU Discussion Paper, (with T. Chmura): (2008)
- [45]Genetic Actiontrees in Multi Agent Systems, SJTU Discussion Paper, (with T. Chmura): (2008)
- [46]The Tobin Tax: A Game-Theoretical and an Experimental Approach, Bonn Econ Discussion Paper, (with J. Kaiser, T. Chmura): (2006)
- [47]Genetic Action Trees, Economics Working Paper Archive, WUSTL Computational Economics number 0507002.Minority Game: An Experimental Approach, Bonn Econ Discussion Paper, (with T. Chmura): (2005)
- [48]An Extended Reinforcement Algorithm for Estimation of Human Behaviour in Congestion Games, Bonn Econ Discussion Paper (No. 24/2004), (with T. Chmura): (2004)
- [49]The Minority Game - Experiments and Simulations of Traffic Scenarios. Bonn Econ Discussion Paper (No. 23/2004), (with T. Chmura): (2004)
- [50]Experiments and Simulations on Day-to-Day Route Choice Behaviour CESIFO Working Paper No. 900, Munich, (with R. Selten, M. Schreckenberg, T. Pitz, T. Chmura, S. Kube): (2003)