

List of Publications (THOMAS PITZ)

Journals

Transferring decisions to an algorithm: A simple route choice experiment, *Transportation Research Part F: Psychology and Behaviour*, C. Goldbach, D. Kayar, J. Sickmann: (2019)

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)

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)

A simple stochastic cellular automaton for synchronized traffic flow, *Physica A*, with (T. Chmura, B. Herz, F. Knorr, M. Schreckenberg): (2014)

Bargaining Over Perfect Complements Owned Separately: With Experimental Test, *Economic Letters* (accepted), with (T. Chmura, N. Yu, N. Sun): (2009)

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)

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)

Commuters Route Choice-Behaviour, *Games and Economic Behaviour* 58, p. 294-406, (with R. Selten, M. Schreckenberg, T. Chmura, S. Kube): (2007)

An Extended Reinforcement Algorithm for Estimation of Human Behaviour in Congestion Games, *Journal of Artificial Societies and Social Simulation (JASSS)*, (with T. Chmura): (2006)

The Successful Stoics - An Astonishing Property of the Minority Game, *Physica A*, p. 41-44, (with T. Chmura): (2006)

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)

Contribution to Books

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, J.), Springer: (2018)

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., Pitz, T., Schreckenberg, M.): (2015).

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, T. Pitz, M. Schreckenberg): (2006)

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, T. Pitz, M. Blumberg, M. Brück): (2006)

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)

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, T. Pitz, M. Schreckenberg): (2005)

The Minority Game Experiments and Simulations, in S.P. Hoogendoorn, S. Luding, P.H.L. Bovy, M. Schreckenberg, and D.E. Wolf (Eds.), Traffic and Granular Flow '03 (Springer, Heidelberg), 305-317, (with T. Chmura, M. Schreckenberg): (2005)

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)

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, T. Pitz): (2004)

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, T. Pitz, S. Kube, S. F. Hafstein, R. Chrobok, A. Pottmeier, J. Wahle): (2004)

Minority Game - Experiments and Simulations of Traffic Scenarios, (Springer, Heidelberg). S.P. Hoogendoorn, S. Luding, P.H.L. Bovy, M. Schreckenberg, and D.E. Wolf (Eds.), Traffic and Granular Flow '03), 305-317, (with T. Chmura) : (2004)

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)

Experimentelle Untersuchung zum Routenwahlverfahren, Herausgegeben von Nordrhein- Westfälische Akademie d. Wissenschaften, Symposium Transportsysteme und Verkehrs- politik, Ferdinand Schöningh Verlag, S. 89-98, (with R. Selten, M. Schreckenberg, T. Pitz, Th. Chmura, S. Kube): (2004)

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)

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)

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)

Genetic Algorithms in Actiontrees, in: Urban Ch. (Ed) 2nd Workshop on Agent-Based Simulation, Mai 2-3, Passau, Germany, p. 130-133: (2002)

Algorithmische Ansätze zur Musikalischen Analyse, in: H.K.G. Walter, H. Hoos, T. Helbing (Eds), Computermusik, Informatik Semesterberichte der TH Darmstadt, p. 37-42: (1996)

Books

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)

Genetische Algorithmen auf Handlungsbäumen in Multiagentensystemen zur Simulation sozialen Handelns, Verlag Peter Lang Europäische Hochschulschriften, Dissertation, LMU München: (2000)

Working Papers

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)

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)

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)

Are Chinese or German the better Driver?, SJTU Discussion Paper. (with T. Chmura): (2008)

Genetic Actiontrees in Multi Agent Systems, SJTU Discussion Paper. (with T. Chmura): (2008)

The Tobin Tax: A Game-Theoretical and an Experimental Approach, Bonn Econ Discussion Paper. (with J. Kaiser, T. Chmura): (2006),

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)

An Extended Reinforcement Algorithm for Estimation of Human Behaviour in Congestion Games, Bonn Econ Discussion Paper (No. 24/2004), (with T. Chmura): (2004)

The Minority Game - Experiments and Simulations of Traffic Scenarios. Bonn Econ Discussion Paper (No. 23/2004), (with T. Chmura): (2004)

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)