

My papers

My papers,... at least most of them 😊. If you want a pre-print any of the articles do not hesitate and [drop me an e-mail](#).

[Click here to export all references as a single BibTeX file](#) (may not work in the older versions of Safari)

2020

- Konrad Ku lakowski, Dawid Talaga (2020) **Inconsistency indices for incomplete pairwise comparisons matrices**. *International Journal of General Systems* 49 (2) pp. 174-200. Taylor & Francis. [doi](#) [web](#) [BibTeX](#)
- Jacek Szybowski, Konrad Kułakowski, Anna Prusak (2020) **New inconsistency indicators for incomplete pairwise comparisons matrices**. *Mathematical Social Sciences* 108 pp. 138 - 145. [doi](#) [web](#) [BibTeX](#)
- Konrad Ku lakowski (2020) **Understanding The Analytic Hierarchy Process (coming soon)**. Chapman & Hall, Taylor and Francis Group. [doi](#) [web](#) [BibTeX](#)
- Konrad Ku lakowski (2020) **On the Geometric Mean Method for Incomplete Pairwise Comparisons**. *Mathematics* 8 (1873) pp. 1-12. [doi](#) [web](#) [BibTeX](#)
- Konrad Kulakowski, Jiří Mazurek, Michal Strada (2020) **On the similarity between ranking vectors in the pairwise comparison method**. *CoRR* abs/2010.04778 [web](#) [BibTeX](#)

2019

- K. Christopher, M. Soltys, K. Ku lakowski (apr 2019) **Approximating consistency in pairwise comparisons**. *Procedia Computer Science* pp. 1-10. [doi](#) [web](#) [BibTeX](#)
- Anna Bodzon-Kulakowska, Tereza Padrtova, Anna Drabik, Joanna Ner-Kluza, Anna Antolak, Konrad Kulakowski, Piotr Suder (2019) **Morphinome Database - The database of proteins altered by morphine administration - An update**. *Journal of Proteomics* 190 pp. 21 - 26. [doi](#) [web](#) [BibTeX](#)
- Konrad Kułakowski, Jiří Mazurek, Jaroslav Ramík, Michael Soltys (2019) **When is the condition of order preservation met?**. *European Journal of Operational Research* 277 (1) pp. 248 - 254. [doi](#) [web](#) [BibTeX](#)
- Konrad Ku lakowski (2019) **On the geometric mean method for incomplete pairwise comparisons**. *CoRR* abs/1905.04609 [web](#) [BibTeX](#)
- Konrad Kułakowski, Jacek Szybowski, Anna Prusak (2019) **Towards quantification of incompleteness in the pairwise comparisons methods**. *International Journal of Approximate Reasoning* 115 pp. 221 - 234. [doi](#) [web](#) [BibTeX](#)
- Konrad Ku lakowski, Dawid Talaga (2019) **Inconsistency indices for incomplete pairwise comparisons matrices**. *CoRR* abs/1903.11873 [web](#) [BibTeX](#)

2018

- Konrad Ku lakowski (2018) **Inconsistency in the ordinal pairwise comparisons method with and without ties**. *European Journal of Operational Research* 270 (1) pp. 314 - 327. [doi](#) [web BibTeX](#)
- Konrad Ku lakowski, Jiri Mazurek, Jaroslav Ramik, Michael Soltys (2018) **When condition of order preservation is met?**. *CoRR* abs/1802.02397 [web BibTeX](#)
- Konrad Kulakowski, Anna Prusak, Jacek Szybowski (2018) **Towards quantification of incompleteness in the pairwise comparisons method**. *CoRR* abs/1812.03589 [web BibTeX](#)

2017

- Konrad Ku lakowski (2017) **Inconsistency in the ordinal pairwise comparisons method with and without ties**. *CoRR* abs/1702.01126 [web BibTeX](#)

2016

- Konrad Ku lakowski (2016) **Notes on the existence of a solution in the pairwise comparisons method using the heuristic rating estimation approach**. *Annals of Mathematics and Artificial Intelligence* 77 (1) pp. 105–121. [doi](#) [web BibTeX](#)
- R. Janicki, K. Ku lakowski (2016) **Theory and Practice of Pairwise Comparisons: Preface**. *Fundamenta Informaticae* 144 (3-4) pp. i-iii. [web BibTeX](#)
- Thomas L. Saaty, Konrad Ku lakowski (2016) **Axioms of the Analytic Hierarchy Process (AHP) and its Generalization to Dependence and Feedback: The Analytic Network Process (ANP)**. *CoRR* abs/1605.05777 [web BibTeX](#)
- Konrad Ku lakowski, Anna Kędzior (2016) **Some Remarks on the Mean-Based Prioritization Methods in AHP**. In *Computational Collective Intelligence: 8th International Conference, ICCCI 2016, Halkidiki, Greece, September 28-30, 2016. Proceedings, Part I*. pp. 434–443. Springer International Publishing. [doi](#) [web BibTeX](#)

2015

- K. Ku lakowski (July 2015) **On the Properties of the Priority Deriving Procedure in the Pairwise Comparisons Method**. *Fundamenta Informaticae* 139 (4) pp. 403 - 419. [doi](#) [BibTeX](#)
- K. Ku lakowski (2015) **Notes on Order Preservation and Consistency in AHP**. *European Journal of Operational Research* 245 (1) pp. 333–337. Elsevier. [doi](#) [web BibTeX](#)
- K. Ku lakowski, K. Grobler-D k ebska, J. W k as (2015) **Heuristic rating estimation: geometric approach**. *Journal of Global Optimization* 62 (3) pp. 529–543. Springer US. [doi](#) [web BibTeX](#)
- K. Ku lakowski (2015) **Erratum to: A heuristic rating estimation algorithm for the pairwise comparisons method**. *Central European Journal of Operations Research* pp. 1-3. Springer Berlin Heidelberg. [doi](#) [web BibTeX](#)

- K. Ku lakowski, R. Juszczak, S. Ernst (2015) **A Concurrent Inconsistency Reduction Algorithm for the Pairwise Comparisons Method**. In *Artificial Intelligence and Soft Computing. Lecture Notes in Computer Science II* (9120) pp. 214–222. [BibTeX](#)
- K. Ku lakowski (2015) **A heuristic rating estimation algorithm for the pairwise comparisons method**. *Central European Journal of Operations Research* 23 (1) pp. 187-203. Springer-Verlag. [doi web BibTeX](#)
- Konrad Kulakowski (2015) **Dynamic concurrent van Emde Boas array**. *CoRR* abs/1509.06948 [web BibTeX](#)

2014

- K. Ku lakowski, P. Matyasik, S. Ernst (mar 2014) **Modeling Indoor Lighting Inspection Robot Behavior Using Concurrent Communicating Lists**. *Expert Syst. Appl.* 41 (4) pp. 984–989. Pergamon Press, Inc.. Tarrytown, NY, USA. [doi web BibTeX](#)
- K. Ku lakowski, J. Szybowski (2014) **The New Triad based Inconsistency Indices for Pairwise Comparisons**. *Procedia Computer Science* 35 pp. 1132 - 1137. [doi web BibTeX](#)
- K. Ku lakowski, J. Szybowski, R. Tadeusiewicz (2014) **Tender with Success textendash The Pairwise Comparisons Approach**. *Procedia Computer Science* 35 pp. 1122–1131. [BibTeX](#)
- K. Ku lakowski (2014) **Heuristic Rating Estimation Approach to The Pairwise Comparisons Method**. *Fundamenta Informaticae* 133 pp. 367-386. [doi web BibTeX](#)
- M. Baran, K. Ku lakowski, A. Lig k eza (2014) **A Note on Machine Learning Approach to Analyze the Results of Pairwise Comparison Based Parametric Evaluation of Research Units**. In *Artificial Intelligence and Soft Computing*. pp. 27-39. Springer International Publishing. [doi web BibTeX](#)
- K. Ku lakowski (2014) **A concurrent van Emde Boas array as a fast and simple concurrent dynamic set alternative**. *Concurrency and Computation: Practice and Experience* 26 (2) pp. 360–379. [doi web BibTeX](#)
- W. W. Koczkodaj, K. Ku lakowski, A. Lig k eza (2014) **On the quality evaluation of scientific entities in Poland supported by consistency-driven pairwise comparisons method**. *Scientometrics* 99 (3) pp. 911-926. Springer Netherlands. [doi web BibTeX](#)

2013

- K. Ku lakowski, P. Matyasik (2013) **Robust PI - The Simulation Robust Library Component for Pioneer 3DX**. In *Multiagent System Technologies MATES*. pp. 115-123. Springer. [BibTeX](#)
- K. Ku lakowski, T. Szmuc (2013) **Outline of CCL notation syntax**. *AGH University of Science and Technology*. [web BibTeX](#)
- K. Ku lakowski (2013) **Notes on discrepancy in the pairwise comparisons method**. *CoRR (Submitted to EJOR)* abs/1312.2986 [BibTeX](#)
- K. Ku lakowski (2013) **Concurrent bisimulation algorithm**. *CoRR* abs/1311.7635 [web BibTeX](#)

2012

- K. Ku lakowski, T. Szmuc (2012) **Modeling Robot Behavior with CCL**. In *Simulation, Modeling, and Programming for Autonomous Robots*. pp. 40-51. Springer Berlin Heidelberg. [doi web BibTeX](#)
- K. Ku lakowski (2012) **Concurrent systems modeling with CCL**. *Automatyka* [web BibTeX](#)
- K. Ku lakowski (2012) **CCL Sim, the simulation environment for concurrent systems**. In *proceedings of Dependability and Complex Systems DepCoS*. [BibTeX](#)

2011

- A. Bodzoń-Ku lakowska, K. Ku lakowski, A. Drabik, A. Moszczyński, J. Silberring, P. Suder (January 2011) **Morphinome-a meta-analysis applied to proteomics studies in morphine dependence**. *Proteomics* 11 (1) pp. 5-21. [web BibTeX](#)
- K. Ku lakowski (2011) **Robust - wspó lbie .zna biblioteka sterowania robotem mobilnym**. PAR Pomiar Automatyka Robotyka. [BibTeX](#)
- K Ku lakowski, T. St kepie 'n (2011) **Dynamic World Model with the Lazy Potential Function**. In *Agent and Multi-Agent Systems: Technologies and Applications*. pp. 190-199. Springer. Berlin, Heidelberg. [BibTeX](#)

2010

- K. Ku lakowski, P. Matyasik (2010) **RobustHX - The Robust Middleware Library for Hexor Robots**. In *Simulation, Modeling, and Programming for Autonomous Robots*. Springer Verlag. [BibTeX](#)
- K. Ku lakowski, J. W k as, P. Topa (2010) **Simulation environment for modeling pedestrian dynamics**. In *Intelligent Information Systems : new approaches*. Publishing House of University of Podlasie. [BibTeX](#)
- K. Ku lakowski, J. W k as (2010) **Two Concurrent Algorithms of Discrete Potential Field Construction**. In *Parallel Processing and Applied Mathematics*. pp. 529-538. Springer. [BibTeX](#)
- J. Rzucid lo, K. Ku lakowski (2010) **Explorer - the robust search robot**. *Information systems architecture and technology : system analysis approach to the design, control and decision support* Wroc law University of Technology. — Wroc law : Oficyna Wydawnicza Politechniki Wroc lawskiej. [BibTeX](#)
- K. Ku lakowski, J. W k as (2010) **World model for autonomous mobile robot - formal approach**. In *Proceedings of Intelligent Information Systems, Siedlce, Poland*. pp. 37-45. [BibTeX](#)
- K. Ku lakowski (2010) **cljRobust - Clojure Programming API for Lego Mindstorms NXT**. In *Agent and Multi-Agent Systems: Technologies and Applications*. [BibTeX](#)
- J. W k as, K. Ku lakowski (2010) **Agent-Based Approach in Evacuation Modeling**. In *Agent and Multi-Agent Systems: Technologies and Applications*. pp. 325-330. Springer Berlin Heidelberg. Berlin, Heidelberg. [BibTeX](#)

2009

- K. Ku lakowski (Jun 2009) **Towards Java-based Intelligent Control Architecture**. In *Proceedings of International Joint Conference Intelligent Information Systems*. pp. 531-540. EXIT. [BibTeX](#)
- K. Ku lakowski, A. Mouaddib (2009) **What situation awareness and distributed robotics have in common?**. *CSL Technical Raport 2/2009* [BibTeX](#)
- K. Kulakowski (2009) **Robust - model komunikacji Mindstorms NXT-PC**. *Automatyka* [BibTeX](#)
- K. Ku lakowski, J. W k as (2009) **Architektura systemu modelowania dynamiki pieszych**. In *Automatyka*. [BibTeX](#)
- J. W k as, K. Ku lakowski (2009) **Multi-agent Systems in Pedestrian Dynamics Modeling**. In *Computational Collective Intelligence. Semantic Web, Social Networks and Multiagent Systems*. pp. 294-300. Springer Berlin Heidelberg. Berlin, Heidelberg. [BibTeX](#)

2008

- K. Kulakowski, M. Kostrzewa (Sept 2008) **Rapid prototyping of real-time reactive systems**. In *Proceedings of International Conference on Signals and Electronic Systems, 2008. ICSES '08*. . pp. 381-384. [doi](#) [BibTeX](#)
- K. Ku lakowski, G. J. Nalepa (2008) **Using UML State Diagrams for Visual Modeling of Business Rules**. In *proceedings of IMCSIT* [BibTeX](#)
- K Ku lakowski, M Kostrzewa (2008) **Modelowanie systemów czasu rzeczywistego w UML**. *Automatyka* [BibTeX](#)
- K. Ku lakowski, J. W k as, M. Szpyrka (2008) **Dynamiczny model 'swiata w sterowaniu autonomicznym robotem mobilnym**. *Automatyka* [BibTeX](#)
- K. Ku lakowski, J. W k as, M. Szpyrka (2008) **Architektura autonomicznego robota mobilnego z dynamicznym modelem 'swiata**. *Automatyka* [BibTeX](#)

2007

- Konrad Ku lakowski, Marek Kostrzewa (2007) **Modelowanie Systemów Czasu Rzeczywistego w UML**. In *Seminarium wyjazdowe KA w Lublinie*. [BibTeX](#)
- K. Ku lakowski (2007) **Hybrid modeling and verification of Java based software**. In *Software Engineering Techniques: Design for Quality*. pp. 121-126. Springer US. [doi](#) [BibTeX](#)

2006

- K. Ku lakowski, M. Kostrzewa (2006) **Wspomaganie tworzenia oprogramowania systemów reaktywnych w Real Time Java**. In *Systemy informatyczne z ograniczeniami czasowymi*. WK L Wydawnictwa Komunikacji i L k aczno 'sci. [BibTeX](#)

- K. Kułakowski (2006) **Towards facilitating development of reactive systems software based on Real Time Java**. In *Systemy informatyczne z ograniczeniami czasowymi*. [BibTeX](#)
- K. Kułakowski (2006) **Hybrid modeling of reactive systems with Petri nets and CCS process algebra**. In *Systemy informatyczne z ograniczeniami czasowymi*. [BibTeX](#)
- K. Kulakowski (2006) **Hybrid modeling and verification of Java based software..** In *SET*. pp. 121-126. Springer. [web BibTeX](#)
- M. Kostrzewa, K. Kułakowski (2006) **A practical approach to the modelling, visualising and executing of reactive systems**. In *MIXed DESign of integrated circuits and systems*. pp. 705-710. [BibTeX](#)

2005

- K. Kułakowski (2005) **Real-time Java - Platforma Programistyczna Dla Systemów Czasu Rzeczywistego**. In *Systemy czasu rzeczywistego (SCR)*. [BibTeX](#)

2002

- K. Kułakowski (Jan 2002) **Music Grammars. An analysis of Transitions as a Method of Music Pattern Recognition**. *Schedae Informaticae* [web BibTeX](#)
- K. Kułakowski (2002) **Weryfikacja zgodności projektu ze specyfikacją z wykorzystaniem sieci Petriego i Algebry Procesów CCS**. In *Systemy Czasu Rzeczywistego SCR'02*. [BibTeX](#)

2001

- K. Kułakowski (2001) **Problemy modelowania agentowego zorientowanych systemów zdecentralizowanych**. In *Systemy czasu rzeczywistego*. [BibTeX](#)

From:

<http://home.agh.edu.pl/~kkulak/> - Konrad Kułakowski's Home Page

Permanent link:

<http://home.agh.edu.pl/~kkulak/doku.php?id=user:konrad:cv:pubs>

Last update: **2017/10/19 05:49**

