PUBLICATIONS 2021

KRISTIAAN **PELCKMANS**

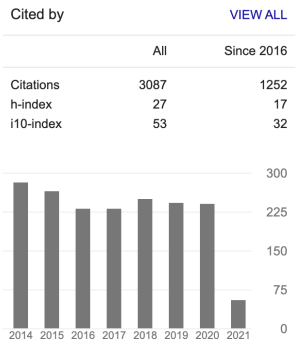

FIGURE 1. Citation report compiled by Google Scholar (March 2021).

1. JOURNAL ARTICLES

J1 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2005). Building Sparse Representations and Structure Determination on LS-SVM Substrates, *Neurocomputing*, Vol. 64, pp. 137-159.

J2 Goethals I., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2005). Identification of MIMO Hammerstein Models using Least Squares Support Vector Machines, *Automatica*, vol. 14, nr. 4, pp. 1263-1272.

J3 **Pelckmans** K., J. De Brabanter, J.A.K. Suykens, B. De Moor (2004). The Differogram: Nonparametric noise variance estimation and its use for model selection, *Neurocomputing*, vol. 69, Issues 1-3, pp. 100-122.

J4 **Pelckmans** K., M. Espinoza, J. De Brabanter, J.A.K. Suykens, B. De Moor (2005). Primal-Dual Monotone Kernel Regression, *Neural Processing Letters*, vol. 22, no. 2, Oct 2005, pp. 171-182.

J5 **Pelckmans** K., J. De Brabanter, J.A.K. Suykens, B. De Moor (2005). Handling Missing Values In Support Vector Machine Classifiers, *Neural Networks*, vol. 18, pp. 684-692 .

J6 Goethals I., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2005). Subspace Identification of Hammerstein Systems using Least Squares

Support Vector Machines, *IEEE Transactions on Automatic Control*, Special Issue on System Identification, Vol. 50, no. 10, pp. 1509-1519.

J7 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2006). Additive regularization: fusion of training and validation levels in Kernel Methods, *Machine Learning*, vol. 62, no. 3, pp. 217-252.

J8 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2007). A Convex Approach to Validation-based Learning of the Regularization Constant, *IEEE Transactions on Neural Networks*, vol. 18, no. 3, pp. 917-920.

J9 Van Herpe T., K. **Pelckmans**, J. De Brabanter, F. Janssens, B. De Moor, G. Van den Berghe (2008). Statistical approach of assessing the reliability of glucose sensors: The GLYCENSIT-procedure, *Journal of Diabetes Science and Technology*, vol. 2, no. 6, pp. 939-947.

J10 Van Belle V., **Pelckmans** K., Suykens J.A.K., Van Huffel S. (2010). Additive survival least squares support vector machines, *Statistics in Medicine*, vol. 29, no. 2, Jan, pp. 296 - 308.

J11 Babu P., **Pelckmans** K., Stoica P., Li J. (2010). Linear Systems, Sparse Solutions, and Sudoku, *IEEE Signal Processing Letters*, vol. 17, no 1.

J12 **Pelckmans** K., J. De Brabanter,, J.A.K. Suykens, B. De Moor (2009). Least Conservative Support and Tolerance Tubes, *IEEE Transactions on Information Theory*, vol. 55, no. 8, Aug. 2009, pp. 3799-3806.

J13 Suykens J.A.K., Alzate C., **Pelckmans** K. (2010). Primal and dual model representations in kernel-based learning, *Statistics Surveys*, 4, 2010, pp. 148-183.

J14 Van Belle V., **Pelckmans** K., Van Huffel S., Suykens J.A.K.(2010), Improved Performance on High-Dimensional Survival Data by Application of Survival-SVM. *Bioinformatics*. vol. 27, no. 1, Jan. 2011, pp. 87-94.

J15 Van Belle V., **Pelckmans** K., Suykens J.A.K., Van Huffel S. (2011) Learning Transformation Models for Ranking and Survival Analysis. *Journal of Machine Learning Research*, vol. 12, 2011, pp. 819-862.

J16 **Pelckmans** K. (2010) MINLIP for the Identification of Monotone Wiener Systems. *Automatica*, vol. 27, no. 10, 2011, pp. 2298-2305.

J17 Van Belle V., **Pelckmans** K., Van Huffel S, Suykens, J.A.K (2011) Support vector methods for survival analysis: a comparison between ranking and regression approaches. *Artificial Intelligence in Medicine*, vol. 53, no. 2, 2011, pp. 107-118.

J18 Karsmakers P., **Pelckmans** K., De Brabanter K., Van hamme H., Suykens J.A.K. (2011) Sparse conjugate directions pursuit with application to fixed-size kernel models. *Machine Learning* vol. 85, no. 1-2, 2011, pp. 109-148.

J19 Falck T., Dreesen P., De Brabanter K., **Pelckmans** K., De Moor B., Suykens J.A.K. (2012) Least-Squares Support Vector Machines for the identification of Wiener-Hammerstein systems. *Control Engineering Practice*, Vol. 20, no. 11, 2012, pp. 1165–1174.

J20 Nygren J., **Pelckmans** K., and Carlsson B.. Approximate adjoint-based iterative learning control. In International Journal of Control, volume 87, number 5, pp 1028-1046, 2014.

J21 Dai L., **Pelckmans** K., and Bai E.-W. Identifiability and convergence analysis of the MINLIP estimator. In Automatica, volume 51, pp 104-110, 2015.

J22 Dai L. and **Pelckmans** K. On the nuclear norm heuristic for a Hankel matrix completion problem. In Automatica, volume 51, pp 268-272, 2015.

J23 Dai L. and **Pelckmans** K. Sparse estimation from noisy observations of an overdetermined linear system. In Automatica, volume 50, number 11, pp 2845-2851, 2014.

J24 Xiaolin Huang, Lei Shi, Kristiaan **Pelckmans**, and Johan A. K. Suykens. Asymmetric nu-tube support vector regression. In Computational Statistics & Data Analysis, volume 77, pp 371-382, 2014.

J25 Dai L., Soltanalian M., and **Pelckmans** K. On the randomized Kaczmarz algorithm. In IEEE Signal Processing Letters, volume 21, number 3, pp 330-333, 2014.

J26 Stoica A., **Pelckmans** K., Rowe, W. System components of a general theory of software engineering. Science of Computer Programming, 101: 42-65 (2015).

J27 L. Yang, **Pelckmans** K., 'Machine Learning Approaches to Survival Analysis: Case Studies in Microarray for Breast Cancer', in International Journal of Machine Learning and Computing vol. 4, no. 6, pp. 483-490, 2014.

J28 Nygren J. and **Pelckmans** K. A direct proof of the discrete time multivariate circle and Tsypkin criteria. IEEE Transactions on Automatic Control, vol. 61, no. 2, pages 1-6, February 2016.

J29 Jensen H., Zackrisson E., **Pelckmans** K., Binggeli C., Ausmees K., and Lundholm U., 'A Machine-Learning Approach to Measuring Escape Of Ionizing Radiation from Galaxies in the Reionizing Epoch' The Astrophysical Journal, Volume 827, Number 1, August 2016.

J30 J. Nygren, T. Wigren and K. **Pelckmans**. Frequency Conditions for Stable Networked Controllers with Time-Delay. International Journal of Control, 2018.

J32 Yasini S., **Pelckmans** K. (2018), Worst-case Performance Analysis of the Kalman Filter. IEEE Transactions on Automatic Control, vol. 63 (6), pp 1768 - 1775, 2018.

J33 Binggeli, C., Zackrisson, E., **Pelckmans**, K., Cubo, R., Jensen, H., "Lyman continuum leakage versus quenching with the James Webb

Space Telescope: the spectral signatures of quenched star formation activity in reionization-epoch galaxies.", Monthly notices of the Royal Astronomical Society, 479(1): 368-376, 2018.

J34 Giri, Sambit K and Zackrisson, Erik and Binggeli, Christian and **Pelckmans**, Kristiaan and Cubo, Rubén, "Identifying reionization-epoch galaxies with extreme levels of Lyman continuum leakage in James Webb Space Telescope surveys.", Monthly notices of the Royal Astronomical Society, Monthly Notices of the Royal Astronomical Society, 491 (4), pp. 5277–5286, 2020.

J35 **Pelckmans** K., "Monitoring high-frequency data streams in FinTech: FADO versus K-means", IEEE Intelligent Systems, Jan. 2020.

J36 Alexander Kotrschal, Alexander Szorkovszky, James Herbert-Read, Natasha I. Bloch, Maksym Romenskyy, Sverine Denise Buechel, Ada Fontrodona Eslava, Laura Snchez Als, Hongli Zeng, Audrey Le Foll, Ganaël Braux, **Kristiaan Pelckmans**, Judith E. Mank, David Sumpter, Niclas Kolm. "Rapid evolution of coordinated and collective movement in response to artificial selection", Science Advances, Vol. 6, no. 49, eaba3148, Dec. 2020: DOI: 10.1126/sciadv.aba3148

2. Conference Papers (Peer Reviewed)

Most conference contributions where written in the span 2003-2015, with main contributions to CDC, NeurIPS a.o. flagship (A-ranked) conferences.

C1 De Brabanter J., K. **Pelckmans**, J.A.K. Suykens, J. Vandewalle (2002). Robust cross-validation score function for non-linear function estimation. *International Conference on Artificial Neural Networks (ICANN 2002)*, Madrid, Spain, pp. 713-719, *.

C2 De Brabanter J., K. **Pelckmans**, J.A.K. Suykens, B. De Moor, J. Vandewalle (2003) Robust complexity criteria for nonlinear regression in NARX models. *13th System Identification Symposium (SYSID 2003)*, Rotterdam, the Netherlands, pp. 79-84, *.

C3 **Pelckmans** K., J. De Brabanter, J.A.K. Suykens, B. De Moor (2003). Variogram based noise variance estimation and its use in Kernel Based Regression. *IEEE Workshop on Neural Networks for Signal Processing (NNSP 2003)*, Toulouse, France, Sept. 2003, pp. 199-208, *.

C4 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2004). Sparse LS-SVMs using additive Regularization with a penalized validation criterion. *12e European Symposium on Artificial Neural Networks, (ESANN 2004)*, Bruges, Belgium, pp. 435-440.

C5 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2004). Alpha and beta stability for additively regularized LS-SVMs via convex optimization. *16th International Symposium on Mathematical Theory of Networks and Systems (MTNS 2004)*, Leuven, Belgium, pp.1-6, *.

C6 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2004). Regularization constants in LS-SVMs : a fast estimate via convex optimization. *International Joint Conference on Neural Networks (IJCNN 2004)*, Budapest, Hungary, pp. 699-704, *.

C7 Espinoza M., K. **Pelckmans**, L. Hoegaerts, J.A.K. Suykens, B. De Moor (2004). A comparative study of LS-SVMs applied to the Silver box identification problem. *6th IFAC Symposium on Nonlinear Control Systems (NOLCOS 2004)*, Stuttgart, Germany, pp.1-6, *.

C8 Goethals I., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2004). NARX identification of Hammerstein Models using least squares support vector machines. *6th IFAC Symposium on Nonlinear Control Systems (NOLCOS 2004)*, Stuttgart, Germany, pp. 507-512, *.

C9 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2004). Morozov, Ivanov and Tikhonov regularization based LS-SVMs. *11th International Conference on Neural Information Processing (ICONIP 2004)*, Calcutta, India, pp.1-6, *.

C10 **Pelckmans** K., De Brabanter,, Suykens J.A.K, B. De Moor (2005). Maximal Variation and Missing Values for Componentwise Support Vector Machines. *International Joint Conference on Neural Networks (IJCNN 2005)*, Montreal, Canada, pp. 1-8, *.

C11 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2005). Componentwise Support Vector Machines for Structure Detection. *International Conference on Artificial Neural Networks (ICANN 2005)*, Warsaw, Poland, pp.1-8, *.

C12 **Pelckmans** K., Goethals I, J.A.K. Suykens, B. De Moor (2005). On model complexity control in identification of Hammerstein Systems. *Conference on Decisions and Control (CDC-ECC)*, Sevilla, Spain, pp.1-8, *.

C13 Goethals I., K. **Pelckmans**, L. Hoegaerts, J.A.K. Suykens, B. De Moor (2005). Subspace intersection identification of Hammerstein-Wiener systems. *Conference on Decisions and Control (CDC-ECC)*, Seville, Spain, pp. 7108-7113, *.

C14 De Brabanter J., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2005). Prediction Intervals for NAR Model Structures Using a Bootstrap Method. *International Symposium on Nonlinear Theory and its Applications (NOLTA 2005)*, Brugge, Belgium, pp. 1-6, *.

C15 De Brabanter J., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2006). Generalized Likelihood Ratio Statistics based on Bootstrap Techniques for Autoregressive models. *14th IFAC symposium on System Identification (SYSID 2006)*, Newcastle, Australia, pp. 1-6, *.

C16 **Pelckmans** K., P. Karsmakers, J.A.K. Suykens, B. De Moor (2006). Ordinal Least Squares Support Vector Machines - a Discriminant Analysis Approach. *IEEE International Workshop on Machine Learning for Signal Processing (MLSP2006)*, Dublin, Ireland, pp1-8, *.

C17 **Pelckmans** K., S. Van Vooren, B. Coessens, J.A.K. Suykens, B. De Moor (2006). Mutual Spectral Clustering: Microarray Experiments Versus Text Corpus. *Workshop on Probabilistic Modeling and Machine Learning in Structural and Systems Biology (PMSB 2006)*, Helsinki, Finland, pp.1-4, *.

C18 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2006). The Kingdom-Capacity of a Graph: On the Difficulty of Learning a Graph Labelling. *Workshop on Mining and Learning on Graphs (MLG 2006)*, ECML, Berlin, Germany, pp. 1-8, *.

C19 **Pelckmans** K., J. Shawe-Taylor, J.A.K. Suykens, B. De Moor (2007). Margin based Transductive Graph Cuts using Linear Programming. *11th International Conference on Artificial Intelligence (AISTATS 2007)*, San Juan, Puerto Rico, pp. 360-367.

C20 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2007). Convex Optimization for the Design of Learning Machines. *15th European Symposium on Artificial Neural Networks (ESANN2007)*, Bruges, Belgium, pp.1-8.

C21 Karsmakers P., K. **Pelckmans**, J.A.K. Suykens (2007). Multi-class kernel logistic regression: a fixed-size implementation. *International joint conference in neural networks (IJCNN2007)*, Orlando, Florida, pp. 1-4.

C22 Karsmakers P., K. **Pelckmans**, J.A.K. Suykens, H. Van hamme (2007). Fixed-Size Kernel Logistic Regression for Phoneme Classification. *Interspeech*, Antwerp, Belgium, pp. 1-4.

C23 Van Belle V., K. **Pelckmans**, J.A.K. Suykens, Van Huffel S. (2007). Support Vector Machines for Survival Analysis. *Third International Conference on Computational Intelligence in Medicine and Healthcare (CIMED2007)*, Plymouth, England, pp. 1-8.

C24 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2007). Transductive Rademacher Complexities for Learning over a Graph. *Workshop on Mining and Learning on Graphs (MLG 2007)*, Firenze-Italy, pp. 1-4, 2007.

C25 **Pelckmans** K., J.A.K. Suykens, B. De Moor (2007). A Risk Minimization Principle for a Class of Parzen Estimators. *Neural Information Processing Systems (NIPS 2007)*, Vancouver, Canada, pp. 1-8.

C26 Van Belle V., K. **Pelckmans**, J.A.K. Suykens, S. Van Huffel (2008). Survival SVM: a Practical Scalable Algorithm. *16th European Symposium on Artificial Neural Networks (ESANN2008)*, Bruges, Belgium, pp. 89-94.

C27 Signoretto M., K. **Pelckmans**, J.A.K. Suykens (2008). Quadratically Constrained Quadratic Programming for Subspace Selection in Kernel Regression Estimation. *18th International Conference on Artificial Neural Networks (ICANN2008)*, Prague, Czech Republic, pp.1-8.

C28 **Pelckmans** K., J.A.K. Suykens (2008). Topranking: predicting the most relevant element of a set. *1st IAPR Workshop on Cognitive Information Processing (CIP 2008)*, Greece, Santorini, pp. 1-6.

C29 **Pelckmans** K, J.A.K. Suykens (2008). LPRankBoost and Column Generation. *International Conference/Euro Mini Conference on Continuous Optimization and Knowledge-Based Technologies (EurOPT 2008)*, Neringa, Lithuania, pp. 165-169.

C30 De Brabanter K., P. Dreesen, P. Karsmakers, K. **Pelckmans**, J. De Brabanter,, J.A.K. Suykens, B. De Moor (2009). Fixed-Size LS-SVM Applied to the Wiener-Hammerstein Benchmark. *15th System Identification Symposium (SYSID 2009)*, Saint-Malo, France, Jul. 2009, pp. 826-831.

C31 Falck T., K. **Pelckmans**, J.A.K. Suykens, B. De Moor (2009). Identification of Wiener-Hammerstein Systems using LS-SVMs. *15th System Identification Symposium (SYSID 2009)*, Saint-Malo, France, Jul. 2009, pp. 820-825.

C32 **Pelckmans** K., J.A.K. Suykens (2009). Transductively Learning from Positive Examples Only. *European Symposium on Artificial Neural Networks (ESANN2009)*, Bruges, Belgium, Mar. 2009, pp. 23-28.

C33 Van Belle V., **Pelckmans** K., Suykens J.A.K., Van Huffel S. (2009). Feature Selection in Survival Least Squares Support Vector Machines with Maximal Variation Constraints. in Bio-Inspired Systems: Computational and Ambient Intelligence, (Cabestany J., Sandoval F., Prieto A., and and Corchabo J.M., eds.), Proc. of the *10th International Work-Conference on Artificial Neural Networks, IWANN* 2009, vol. 5517 of mph Lecture notes in Computer Science, Springer, 2009, 2009, pp. 65-72.

C34 **Pelckmans** K., Suykens J.A.K. (2009) Gossip Algorithms for Computing U-statistics. in Proc. of the *1st IFAC Workshop on Estimation and Control of Networked Systems (NecSys 2009)*, Venice, Italy, Sep. 2009.

C35 Van Belle V., **Pelckmans** K., Suykens J.A.K., Van Huffel S. (2009) MINLIP: Efficient Learning of Transformation Models. in (Alippi C., Polycarpou M., Panayiotou C., and Ellinas G., eds.), Proceedings of the *International Conference on Artificial Neural Networks (ICANN2009)*, vol. 5768 (part 1) of mph Lecture notes in Computer Science, Springer, 2009, pp. 60-69.

C36 De Brabanter K., **Pelckmans** K., De Brabanter J., Debruyne M., Suykens J.A.K., Hubert M., De Moor B . (2009) Robustness of Kernel Based Regression: a Comparison of Iterative Weighting Schemes. in Proc. of the *19th International Conference on Artificial Neural Networks (ICANN)*, Limassol, Cyprus, Sep. 2009.

C37 Signoretto M., **Pelckmans** K., De Lathauwer L., Suykens J.A.K. (2010) Improved Non-Parametric Sparse Recovery with Data Matched

Penalties. Accepted for publication in the *2nd International Workshop on Cognitive Information Processing*, Elba, Italy, 2010,pp. 46-51.

C38 Van Belle V., **Pelckmans** K., Suykens J.A.K., Van Huffel S. (2010) On the use of a clinical kernel in survival analysis. in *Proc. of the European Symposium on Artificial Neural Networks (esann2010)*

C39 **Pelckmans** K., van Waterschoot T., Suykens J.A.K., Efficient Adaptive Filtering for Smooth Linear FIR Models. Aalborg, Danmark, Aug. 2010, pp. 2136-2140.

C40 K. **Pelckmans**, On the identification of monotone Wiener systems. in *Proc. of the 49th IEEE Conference on Decision and Control* (CDC 2010), Dec. 2010, Atlanta, GA USA, pp. 7208-7213.

C41 K. **Pelckmans**, L. Dai (2011) A Simple Recursive Algorithm for Learning a Monotone Wiener System. in *Proc. of the 50th IEEE Conference on Decision and Control* (CDC 2011), Dec. 2011, Orlando, FL, USA.

C42 K. **Pelckmans** (2011) An Adaptive Compression Algorithm in a Deterministic World. in *Proc. of the Solomonoff 85th Memorial Conference*, LNAI, Nov. 2011, Melbourne, AU.

C43 A cooperative decentralized PI control strategy : discrete-time analysis and nonlinear feedback J. Nygren, K. **Pelckmans**, in Proc. 3rd IFAC Workshop on Distributed Estimation and Control in Networked Systems (NECSYS), 2012, 103-108.

C44 K. **Pelckmans**, Primal-Dual Instrumental Variable Estimators. Symposium on System Identification (SYSID), 2012.

C45 K. **Pelckmans**, J.A.K. Suykens, Special Session on Convex Optimization for System Identification. Symposium on System Identification (SYSID) 2012.

C46 K. **Pelckmans**, L. Dai, Er-Wei Bai, On the Convergence Analysis of the MINLIP Estimator. Symposium on System Identification (SYSID) 2012.

C47 K. **Pelckmans**, On the Competitive Performance of Second-Order Algorithms. Symposium on System Identification (SYSID) 2012.

C48 L. Dai, **Pelckmans** K., An Online Algorithm for Controlling a MonotoneWiener System, Chinese Conference on Decision and Control (CCDC), 2012.

C49 L. Dai **Pelckmans** K., An Ellipsoid-Based, Two-Stage Screening Test for BPDN. Signal Processing Conference (EUSIPCO), 2012 Proceedings of the 20th European, 2012.

C50 J. Nygren, K. **Pelckmans**, Stability analysis of an adaptively sampled controller for SISO systems with nonlinear feedback, In Proc. American Control Conference (ACC) 2015.

C51 J. Nygren, K. **Pelckmans**, in *Proc. of the 54th IEEE Conference on Decision and Control* (CDC 2015), Dec. 2015.

C52 **Pelckmans** K., Cubo R., Nuclear Norms for System Identifcation -a direct input-output approach. Symposium on System Identification (SYSID), 2015.

C53 **Pelckmans** K., Convex Optimization for Blind Identification of Monotone Wiener Systems, Symposium on System Identification (SYSID), 2015.

C54 Souza, Abel, **Pelckmans** K., Ghoshal, D., Ramakrishnan, L., ASA - The Adaptive Scheduling Architecture, in In: HPDC '20: Proceedings of the 29th International Symposium on High-Performance Parallel and Distributed Computing, ACM Digital Library, 2020, p. 161-165.

3. Preprints

Most papers can be found integral on my website `http://www.it.uu.se/katalog/kripe367`, or on aRxiV.

S1 **Pelckmans** K. (2010) Randomized Exchange Algorithms and Permutation Processes.

S2 Hardoon D., **Pelckmans** K. (2010) Pair-Wise Cluster Analysis.

S3 **Pelckmans** K. (2010) Regret Analysis for Cooperative Gradient Descent on Ad-hoc Networks.

S4 **Pelckmans** K., van Waterschoot T. (2010), Smooth Gradient Descent for Efficient Adaptive Filtering.

S5 Zeng H., **Pelckmans** K. (2016), "Longitudinal Support Vector Machines".

S6 **Pelckmans** K.,Liu Y., (2016), "APTER: Aggregated Prognosis Through Exponential Reweighting"t.

4. Book Chapter and Survey Articles

B1 **Pelckmans** K., I. Goethals, J. De Brabanter, J.A.K. Suykens, B. De Moor (2005). *Componentwise Least Squares Support Vector Machines*, in Support Vector Machines: Theory and Applications, (Wang L., ed.), series Studies in Fuzziness and Soft Computing, Vol. 177, ISBN: 3-540-24388-7, DOI: 10.1007/b95439, Springer-Verlag GmbH, 2005, *.

B2 Goethals I., **Pelckmans** K., Falck T. Suykens J.A.K., De Moor B. (2010) NARX Identification of Hammerstein Systems using Least-Squares Support Vector Machines Invited Book Chapter on 'Block-oriented Nonlinear System Identification', ed. Er-Wei Bai and Fouad Giri.

5. Publicly Available Computer Programs

S1 **Pelckmans** K., J.A.K. Suykens., T. Van Gestel, J. De Brabanter, L. Lukas, B. Hamers, B. De Moor, J. Vandewalle (2002). LS-SVMlab : a Matlab/C toolbox for Least Squares Support Vector Machines.

Available at `http://www.esat.kuleuven.ac.be/sista/lssvmlab/`, *.

S2 **Pelckmans** K., L. Yang (2014)
A Toolbox for survival analysis in Matlab. Available at `http://user.it.uu.se/~kripe367/survlab/`

6. Popular Science Publication

P1 Villarroel B. and K. **Pelckmans**, "Jakten efter försvunna stjärnor", Forskning och Framsteg, 2018.