



Contents

1	Journal Articles	1
2	Books	2
3	News & Popular Articles, Films, Videos	2
4	Accepted Publications	2
5	Conference Participation & Presentation	2
6	Colloquia & Seminars	3

1 Journal Articles

- E. Kropat, S. Meyer-Nieberg and G.-W. Weber, *A Comparison of Two Homogenization Principles for Target–Environment Networks and Systems on Periodic Graphs*, Dynamics of Continuous, Discrete and Impulsive Systems, Series B (DCDIS-B) 24, 207-234, 2017.
- M. Uzunca, T. Küçükseyhan, H. Yücel and B. Karasözen, *Optimal Control of Convective FitzHugh–Nagumo Equation*, Computer & Mathematics with Applications, 73(9), 2151–2169, 2017, DOI:10.1016/j.camwa.2017.02.028.
- P. Benner and H. Yücel, *Adaptive Symmetric Interior Penalty Galerkin Method for Boundary Control Problems*, SIAM Journal on Numerical Analysis 55(2), 1101–1133, 2017, DOI:10.1137/15M1034507.
- A. Erener, A. A. Sivas, A. S. Selçuk–Kestel and H. S. Düzgün, *Analysis of Training Sample Selection Strategies for Regression–Based Quantitative Landslide Susceptibility Mapping Methods*, Computers and Geosciences, 104, 62-74, DOI:10.1016/j.cageo.2017.03.022.

2 Books

- Nadi Serhan Aydın, *Financial Modelling with Forward-looking Information: An Intuitive Approach to Asset Pricing*, Springer, Contributions to Management Science, 2017.

3 News & Popular Articles, Films, Videos

- M. Baldemor and G.-W. Weber, SIMANTAP 2016 in Medan, Sumatra: A Window for OR in Indonesia, *OR News*, 59(19), 2017.

4 Accepted Publications

- S. Nodoust, A. Mirzazadeh and G.-W. Weber, *An Evidential Reasoning Based Imperfect Production Model for Deteriorating and Ameliorating Items*, to appear in *International Operational Research: An International Journal (ORIJ)*.
- A. Sariaydın-Filibelioğlu, B. Karasözen and M. Uzunca, *Energy Stable Interior Penalty Discontinuous Galerkin Finite Element Method for Cahn–Hilliard Equation*, to appear in *Nonlinear Sciences and Numerical Simulation*.

5 Conference Participation & Presentation

- G.-W. Weber and E. Savku, *Optimal Control Under Stochastic, Impulsive, Regime Switching and Paradigm Shifting Environments in Economics and Finance*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- P. Taylan, E. Uysal and G.W. Weber, *A Comparative Study on Classification by Non-parametric Regression*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- Ö. Defterli, A. Özmen and G.-W. Weber, *A Real–World Application for Genetic Regulatory Networks via Spline Regression Models*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- E. Köksal, A. Özmen and G.-W. Weber, *Modeling of Exchange Rates by Multivariate Adaptive Regression Splines and Comparison with Classical Statistical Methods*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- B. Kalaycı, A. Özmen, A. Kerimov and G.-W. Weber, *Identification of Systems of Stochastic Differential Equations For Generalized Model Classes in Financial Mathematics Including Investor Sentiment*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.

- G. Nalcacı, M. Ermiş, A. Özmen and G.-W. Weber, *Long-Term Load Forecasting Comparison of Models Based on MARS, ANN and SVR Methods*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- T. Küçükseyhan, B. Karasözen and M. Uzunca, *Model Order Reduction for Pattern Formation of FitzHugh–Nagumo Equation*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- G. Mülayım, B. Karasözen, T. Küçükseyhan and M. Uzunca, *Reduce Order Modeling For Reaction–Diffusion Equations with Cross Diffusion*, International Workshop of Mathematical Methods in Engineering (MME2017), Çankaya University, April 27-29, 2017.
- C. Carlet, S. Mesnager, F. Özbudak and A. Sınak, *Explicit Characterizations for Plateauedness of p -ary (Vectorial) Functions*, Second International Conference on Codes, Cryptology and Information Security (C2SI-2017), In Honor of Claude Carlet, Rabat, Morocco, April 10-12 2017.

6 Colloquia & Seminars

- *Bounded Component Analysis: An Algorithmic Framework for Blind Separation of Independent and Dependent Sources*, Alper Erdoğan, Department of Electrical–Electronics Engineering, Koç University, 11.4.2017.
- *External Imbalances in Turkish Economy*, Esma Gaygısız, Department of Economics, Middle East Technical University, 18.4.2017.
- *Kendiliğindenlik ve Tasarım Ekseninde Oyunlar Kuramı*, Semih Koray, Bilkent Üniversitesi, Ekonomi Bölümü, METU SIAM Student Chapter Seminar Series, 25.04.2017.