

**BULENT ALPTEKIN**

Contact Information

Address: Middle East Technical University, Department of Statistics,  
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Personal Information

Citizenship: Republic of Turkey  
Place of Birth: Samsun / Turkey  
Date of Birth: 24.05.1987  
Gender: Male  
Military Service: Fulfilled  
Marital Status: Married

Education

2013-Present Master of Science, Department of Statistics, Graduate School of  
Science and Engineering, Hacettepe University, Ankara, Turkey  
*Dissertation Topic: A New Fuzzy Time Series Forecasting Method*  
2010-2013 Bachelor of Science , Department of Statistics, Faculty of Science,  
Hacettepe University, Ankara, Turkey

Academic Employment

2013-Present Research Assistant, Department of Statistics, Faculty of Art and  
Science, Middle East Technical University, Ankara, Turkey

Computer Skills

MATLAB	C Programming Language	MS Project
IBM SPSS	Visual Basic	Python
MINITAB	LATEX	SAS Enterprise Guide
R Project	HTML5	IBM SPSS Modeler
SAS	MS Windows	
E-Views	MS Office	

### Academic Areas and Interest

- Optimization
- Artificial Neural Network
- Time Series Forecasting
- Particle Swarm Optimization
- Fuzzy Time Series
- Genetic Algorithms
- Heuristics Methods

### Books

- Aladag, C.H., Alptekin D., **Alptekin B.**, Editors, (2017) The Fifth International Fuzzy Systems Symposium (FUZZYSS'17) Programme and Abstracts. FUZZYSS'17, TOBB University of Economics and Technology, Ankara, Turkey.

### Articles

- **Alptekin, B.**, Aladag, C.H. (in review process) Architecture selection in neural networks by regression analysis.
- **Alptekin, B.**, Acitas, S., Senoglu, B., Aladag, C.H. (in review process) Statistical determination of significant PSO parameters: The case of Weibull distribution.
- **Alptekin, B.**, Aladag, C.H. (2016) Artificial neural network models for forecasting tourist arrivals to Barcelona, Lecture Notes in Computer Science, Volume 9886 LNCS, 2016, Page 561, (ISSN:03029743 ISBN:978-331944777-3), Springer Verlag, Springer International Publishing Switzerland 2016, Conference Paper, 25<sup>th</sup> International Conference on Artificial Neural Networks (ICANN 2016), Barcelona, Spain, 6-9 September 2016.

### International Conference Presentations

- Alptekin, D., **Alptekin, B.**, Aladag, C.H., Forecasting gold prices with fuzzy time series, 5<sup>th</sup> International Fuzzy Systems Symposium (FUZZYSS'17), Abstracts Book pp. 119, Ankara, Turkey, October 14-15, 2017.
- **Alptekin, B.**, Aladag, C.H., Forecasting with fuzzy time series models, 5<sup>th</sup> International Fuzzy Systems Symposium (FUZZYSS'17), Abstracts Book pp. 118, Ankara, Turkey, October 14-15, 2017.
- **Alptekin, B.**, Aladag, C.H., Particle swarm optimization for nonlinear programming (in Turkish), 18<sup>th</sup> International Symposium on Econometrics, Operational Research and Statistics, Abstracts Book pp. 359, Trabzon, Turkey, October 5-7, 2017.
- **Alptekin, B.**, Aladag, C.H., Forecasting the proportion of tourism income of Turkey in GDP with artificial neural networks (in Turkish), 1<sup>st</sup> International Congress on Future of Tourism: Innovation, Entrepreneurship and Sustainability 2017, Mersin University Publications Publication No:48, Tourism Faculty Publications Publication No:1, pp. 47-54, Mersin, Turkey, September 28-30, 2017.
- **Alptekin, B.**, Aladag, C.H., Air pollution forecasting with time series neural networks models, Data Science, Statistics and Visualisation DSSV 2017, Book of Abstracts pp. 49, Lisbon, Portugal, July 12-14, 2017.
- **Alptekin, B.**, Aladag, C.H., Forecasting gold prices with median neuron model, International Journal of Arts & Sciences' (IJAS) International Conference for Business and Economics, Freiburg University, Freiburg, Germany, December 29- November 2, 2016.

- **Alptekin, B.**, Aladag, C.H., Different performance measures for forecasting electricity consumption of Turkey, 10<sup>th</sup> International Symposium of Statistics, Abstracts pp. 100, Giresun, Turkey, October 7-9, 2016.
- **Alptekin, B.**, Aladag, C.H., Analysis of Turkey tourism data with artificial neural networks (in Turkish), 3<sup>rd</sup> International Congress of Tourism and Management Researches, Proceeding Books pp. 1552-1564, Antalya, Turkey, May 20-22, 2016.
- Aladag, C.H., **Alptekin, B.**, Forecasting exchange rates by using neural networks based on median neuron model (in Turkish), 9<sup>th</sup> International Statistics Congress, Abstracts Book pp. 295-296, Antalya, Turkey, October 28 – November 1, 2015.
- Aladag, C.H., Alaybeyoglu, M.C., **Alptekin, B.**, Forecasting tourism demand in Turkey with artificial neural network models determined by different performance measures, 6<sup>th</sup> International Conference Economic Challenges in Enlarged Europe, Tallinn University of Technology, Tallinn, Estonia, June 15-17, 2014.
- **Alptekin, B.**, Aladag, C.H., Different performance measures for forecasting electricity consumption of Austria, International Journal of Arts & Sciences' (IJAS) International Conference for Academic Disciplines, FHWien University of Applied Sciences of WKW, Vienna, Austria, April 6-10, 2014.
- **Alptekin, B.**, Alaybeyoglu, M.C., Bal, C., Aladag, C.H., Different performance measures for forecasting tourism demand of Turkey, International 8<sup>th</sup> Statistics Congress, Abstracts pp. 180-181, Antalya, Turkey, October 27-29, 2013.
- Aladag, C.H., Egrioglu, E., Bal, C., **Alptekin, B.**, Forecasting TL/Chinese RMB and TL/USD exchange rates with feed forward neural networks (in Turkish), 8<sup>th</sup> International Symposium of Statistics, Abstracts pp. 26-27, Eskisehir, Turkey, October 11-13, 2012.

#### National Conference Presentations

- Aladag C.H., **Alptekin B.**, Alptekin D., Forecasting the Number of Registered Road Motor Vehicles in Ankara and İstanbul with Artificial Neural Network (in Turkish), 7<sup>th</sup> Road Traffic Safety Symposium, Proceedings Book pp. 46-50, Congressium, Ankara, Turkey, 17 – 19 November, 2016.
- Alptekin D., Aladag C.H., **Alptekin B.**, Analysis of the Causal Relationship Between Number of Registered Road Motor Vehicles, Number Of Traffic Accidents and Economic Growth: The Case of Turkey (in Turkish), 7<sup>th</sup> Road Traffic Safety Symposium, Proceedings Book pp. 70-77, Congressium, Ankara, Turkey, 17 – 19 November, 2016.
- Aladag, C.H., **Alptekin, B.**, Forecasting the number of people died in traffic accidents in Turkey with median neuron model (in Turkish), 6<sup>th</sup> Road Traffic Safety Symposium, Proceedings Book pp. 255-262, Congressium, Ankara, Turkey, 12 – 14 November, 2015.

#### Awards

- Bronze Research Award, 3<sup>rd</sup> International Congress of Tourism and Management Researches, Antalya, Turkey, May 20-22, 2016. “**Alptekin, B.**, Aladag, C.H., Analysis of Turkey tourism data with artificial neural networks”.

Scientific Activities

- 2015 – Fuzzy Systems Association  
General Secretary
- 2016 – Turkish Journal of Fuzzy Systems  
Assistant Editor
- 2017 The 5th International Fuzzy Systems Symposium, Ankara, Turkey  
Organizing Committee Member

Other Activities

- 2010 – 2013 Student Assistant at Department of Statistics, Hacettepe University
- 2013 Student Assistant at Department of Mathematics, Hacettepe University
- 2013 – Website Manager of Department of Statistics, Middle East Technical University
- 2015 – 2017 Website Manager of Fuzzy Systems Association
- 2015 – 2017 Website Manager of Turkish Journal of Fuzzy Systems
- 2017 Website Manager of The 5th International Fuzzy Systems Symposium
- 2017 Website Manager of Personal (Cagdas Hakan Aladag) Website
- 2017 – Website Manager of Fuzzy Systems Association
- 2017 – Website Manager of Turkish Journal of Fuzzy Systems
- 2017 – Website Manager of Personal (Deniz Alptekin) Website
- 2017 – Website Manager of Personal (Bulent Alptekin) Website
- 2017 – Website Manager of Company (ANORİST) Website

Referees

- Turkish Journal of Fuzzy Systems

Personal Memberships

- European Neural Network Society (2016)
- Fuzzy Systems Association (2015)