# Curriculum Vitae

**Name Surname :** Metin ZONTUL

**Date of Birth:** August  3,  1971

**Title :** Assoc. Prof. Dr.

**Department:** Istanbul Aydın University, Software Engineering Department.

## Educational Background

| Degree | Field | University | Year |
|---|---|---|---|
| **Undergraduate** | Computer Engineering | Middle East Technical University | 1993 |
| **Master** | Computer Aided Manufac.&Prog. | Erciyes Univesity | 1996 |
| **Doctorate** | Numerical Methods | Cumhuriyet University | 2004 |

## Academic Titles

| | | | |
|---|---|---|---|
| Lecturer | Computer Programming | Cumhuriyet University | 1993-2004 |
| Dr. | Computer Programming | Cumhuriyet University | 2004-2005 |
| Dr. | Computer Programming | Istanbul Aydın Univ. | 2005-2008 |
| Asst.Prof.Dr. | Software Engineering | Istanbul Aydın Univ. | 2008-2017 |
| Assoc.Prof.Dr. | Software Engineering | Istanbul Aydın Univ. | 20017-2018 |

**Published National Papers**

1. **"A study on clustering the countries Turkey imports from by using SOM type neural networks"**,  Cumhuriyet University Faculty of Economic and Administrative Sciences Journal, Vol. 5, No. 2, 2004.
2. **"Comparison of the efficiency of OECD telecommunication sectors by data envelopment analysis"**, Cumhuriyet University Faculty of Economic and Administrative Sciences Journal, Vol. 6, No. 1, 2005.
3. **"A study on clustering the countries Turkey exports to by using SOM type neural networks''**, Atatürk University Faculty of Economic and Administrative Sciences Journal, Vol. 8/1,  2007.

4. **"An application  on the construction of wheather quality model in Sivas by neural network"**, Cumhuriyet University Faculty of Economic and Administrative Sciences Journal, Vol. 8, No. 1, 2007, Page 97-112.

5. **"A suggestion on making our national operating System PARDUS become widespread in our education system"**, Istanbul Aydin University Anadolu BİL MYO Journal, Vol.14, 2009**.**

**6. "Crude Oil Price Forecasting by Using ANFIS",** Istanbul Aydin University Anadolu BİL MYO Journal, Vol.17, 2010**.**

7. **"Natural Gas Consumption Forecasting For Ankara City By SOM Supported RBF Artifical Neural Network"**, Trakya University Journal of Science, 2010.

## Published International Papers

**1. M. Zontul**, F. Aydin, G. Dogan, S. Sener, O. Kaynar, *"Wind Speed Forecasting Using Reptree And Bagging Methods in Kirklareli-Turkey"*, **Journal of Theoretical and Applied Information Technology** , Vol. 56, No.1, 2013, 17-29.

**2. M. Zontul**, *"Rule Based Aircraft Performance System",* **International Journal of Soft Computing and Engineering,** Volume-3, Issue-4, 2013, 61-66.

**3.** M. Altinkaya, **M. Zontul,** *"Urban Bus Arrival Time Prediction: A Review of Computational Models"*, **International Journal of Recent Technology and Engineering,** Volume-2, Issue-4, 2013, 164-169.

**4.** O. Kaynar, **M. Zontul**, F. Demirkoparan, *"Artificial Neural Networks for Tourism Demand Forecasting"*, **Journal of Technical University of Gabrova**, Vol. 39, 2010, 93-98.

**5. M. Zontul**, O. Kaynar, M. Kirgul, *"English Preparatory Program Information System"*, **International Journal of Electronics, Mechanical and Mechatronics Engineering,** Vol.2, No.1 , 2011, 105-109.

**6. M. Zontul**, F. Sahin, *"A New Mobile Learning Framework for Fatih Project in Turkey"*, **Mediterranean Journal of Educational Research,** Issue 14a, Year 2013, pp. 103-108.

**7. B. Dursun, F. Aydin, M. Zontul, S. Sener, "***Modeling and Estimating of Load Demand of Electricity Generated From Hydroelectric Power Plants in Turkey Using Machine Learning Methods",* **Advances in Electrical and Computer Engineering,** Issue 1, Volume 14, 2014. (SCI Expanded)

**8. U. Çelenk, D. Çelik Ertuğrul, M. Zontul, O.N. Uçan,** "Self-Organizing Maps With Sliding Window (SOM+SW)", **TECHNICAL GAZETTE**, 24(6), Doi: 10.17559/TV-20151008153755, 2017 (SCI Expanded)

**9. Onal, B., Zontul, M**. Churn Analysis with Machine Learning Algorithms. International Journal Of Advanced Research in iComputer And Communication Engıneering, Volume 6, Issue 8, August 2017, DOI: 10.17148/IJARCCE.2017.6832.

**10. Parali, U., Zontul, M., Ertuğrul, D. Ç.** Information Retrieval Using the Reduced Row Echelon Form of a Term-Document Matrix. Journal of Internet Technology, Vol. 19, No. 5, 2018 (JIT-2017-0396.R1 Accepted) (SCI Expanded)

## National Proceedings

1.**"The distance education in Foundation Universities in Turkey",** 4th National Electric Electronic Computer Biomedical Engineerings Education Symposium, 2009.

## International Proceedings

1. **"A Study on clustering of the hotels in Istanbul by using Self Organizing Maps (SOM)"**, The Fifth International Symposium on Wavelets Applications To World Problems", Istanbul Aydın University, 2010.

2. **M. Zontul,** O. Kaynar, *"Intelligent Personnel Attendance Followup System: Istanbul Aydin University Case Study"*, **ICBME'10 (Online Proceedings)**, **6th International Conference on Business, Management and Economics,** 07-09 October 2010, Yasar University, Izmir, Turkey (Full-Text).

3. **"Wind Speed And Energy Potential Analyses "**,The Fifth International Symposium on Wavelets Applications To World Problems", Istanbul Aydın University, 2010.

5. **" A new mobile learning framework for Fatih project in Turkey"**, Global Education Conference, Cyprus, 2012.

6."**Rule Based Aircraft Performance System**", OSTIV Meteorological Panel, Antalya-Belek,2011.

## International Books

Çelenk, U., Ertuğrul, D. Ç., **Zontul, M.**, Elçi, A., & Uçan, O. N. (2018). Dynamic Quota Calculation System (DQCS): Pricing and Quota Allocation of Telecom Customers via Data Mining Approaches. In A. Elçi (Ed.), Handbook of Research on Contemporary Perspectives on Web-Based Systems (pp. 434-459). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-5384-7.ch019

## TV Programs

"Promotion of Computer engineering and programming Jobs", SRT, Sivas, 2002.
"Future of Software Development in Turkey", Bengü Türk TV, İstanbul, 2013.

## Software Projects

The following software have been developed and implemented as software engineer/project manager.

1. Student enrollment system of Sivas Vocational School.
2. Cumhuriyet University automation system.
3. Hospital automation system of Sivas Kızılay medical center.
4. Electronics steelyards system.
5. Stocks and Customer Management Systems of Large Stores.
6. İGDAŞ Counter Mobile Application.
7. SMS vendor management software.
8. Shoes manufacturing automation system.
9. İstanbul Aydın University RF Card Personnel follow-up system.
10. Web based Production Catalog Systems.
11. Istanbul Aydın University Prep School Student System.
12. Boeing and Airbus Performance System Software.

## Projects

1. TÜBITAK Project advisor (**Color Reading &Learning System**)

2. TÜBITAK Project advisor (**Interactive Rule-Based Logistics Platform between Companies**)

3. TÜBITAK Project advisor (**Financial Credit Risk Analysis: Impact Measurement Modeling of Local Factors**)

4. TÜBITAK Project advisor (**Ontology Based B2B Automotive Spare Parts Management and Decision Support System**)

5. **SANTEZ-AVEA Researcher (Dynamic Analysis of Data Usage Remuneration Algorithms and Quota Systems in GSM Systems)**

6. TÜBITAK TEYDEB Project Refereeing (**Intelligent Data Exchange Engine**)

7. TÜBITAK TEYDEB Project Refereeing (**Development of Estimated Marketing Platform Based on User Behavior Analysis**)

8. European Union Hopes Syrian Refugees Certificate Program (**Computer Programming**)

## Administrative

Head of Computer Tech. & Programming Department of İstanbul Aydın University, 2005.

Head of Computer Tech. & Programming Department of İstanbul Aydın University, 2007-2008.
Head of Software Engineering of İstanbul Aydın University, 2016-2018.

Vice Student Dean of İstanbul Aydın University, 2008-2009.

Vice Director of Natural Science Institute of, İstanbul Aydın University, 2011-2012.

Member of Boards of Directors in Engineering Faculty of İstanbul Aydın University, 2008-2013.

Member of Boards of Directors in Foreign Languages School of İstanbul Aydın University, 2012-2013.

## Organizational Memberships

IEEE
Tubitak Arbis

## Courses Given

Information Technology
Web Based Programming (ASP.NET)
Educational Web Design
Visual Programming (Delphi & C#)
Database Management Systems I-II (Sql Server/Oracle)
Computer Networks
Data Mining

**Certificates**

Delaware Vocational School Visitor Instructor Certificate, 1994 (3 months), World Bank Project, USA.

Novell Netware Certificate, Gazi University, 1994.

**Others**

Secretary General, "The Fifth International Symposium On
Wavelets Applications To World Problems", Istanbul Aydın University, 2010.

Organizing Committee Member, "Mini Symposium on Wavelet Application", İstanbul Aydın University, 2008.

Director of EKOBIL Software Ltd.Co., 2005-2007.

**Foreign Language Level**

English: 91 (KPDS )

**Interests**

Delphi, C, C#, Java, Visual Studio, Sql Server, Oracle, Win 2003 sever, Linux, Neural Networks, Wavelet, Fuzzy, Data Mining, Machine Learning, Semantic Web.