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### PERSONAL

<b>Date of Birth</b>	1970
<b>Place of Birth</b>	Ankara

### EDUCATION

1997-2005	Gazi University, Ph.D.
1994-1996	Middle East Technical University, M.S.
1988-1994	Middle East Technical University, B.S.

### ACADEMIC POSITIONS

<b>March 2021 - Present</b>	Professor, Department of Industrial Engineering Atılım University, Turkey
<b>September/2015 – March/2021</b>	Associate Professor, Department of Industrial Engineering Atılım University, Turkey
<b>September/2006 September/2015</b>	Assistant Professor, Department of Industrial Engineering Atılım University, Turkey

### ADMINISTRATIVE DUTIES

<b>September/2014</b>	Chair, Department of Industrial Engineering, Atılım University
<b>September/2014-September/2012r</b>	Chair, Department of Industrial Engineering, Atılım University

### RESEARCH INTERESTS

<b>1</b>	Enterprise Resource Planning
<b>2</b>	Supply Chain Management
<b>3</b>	Business Process Reengineering

### PUBLICATIONS (International Selected)

<b>21</b>	Eryilmaz, S; Ozkurt, FY and Erkan, TE “The number of failed components in series-parallel system and its application to optimal design” Dec 2020   Computers & Industrial Engineering
<b>20</b>	Erkan, Turan Erman; Elsharida, Wael Mohamed “Combining AHP and ROC with GIS for Airport Site Selection: A Case Study in Libya” ISPRS International Journal of Geo-Information Volume: 9 Issue: 5 Article Number: 312 Published: MAY 2020, DOI: 10.3390/ijgi9050312

19	Karacor, Adil Gursel; Erkan, Turan Erman "Exploiting Visual Features in Financial Time Series Prediction" International Journal of Cognitive Informatics and Natural Intelligence Volume: 14 Issue: 2 Pages: 61-76 Published: APR-JUN 2020, DOI: 10.4018/IJCINI.2020040104
18	Al-Tameemi, H., Erkan, T.E. "Toward the Optimal Medical Services Based on Information System: A New Taxonomy of Down Syndrome Based on Their Needs of Healthcare Services", International Journal of Recent Scientific Research Vol. 10, Issue, 03(B), pp. 31248-31253, March, 2019
17	Erkan, T E, Elsharida, M. "Overview of Airport Location Selection Methods", International Journal of Applied Engineering Research 14(7):1613-1618, 2019
16	Badwe, S. , Erkan, T.E. "A Taxonomy of Lean Six Sigma and Agile Methodologies used in Software Development", International Journal of Engineering Research and Technology, Volume 11, Number 5 (2018), pp. 725-753
15	Eryilmaz, S., Erkan, T.E. "Coherent system with standby components", Applied Stochastic Models in Business and Industry, 395-406, 34, 2018.
14	Mohamed Ibrahim Eshtaiwi, Ibrahim A. Badi, Ali M. Abdulshahed, Turan Erman Erkan, "Determination of key performance indicators for measuring airport success: A case study in Libya", Journal of Air Transport Management Vol 68, PP28-34 •May 2018
13	Mohamed Ibrahim Eshtaiwi, Ibrahim A. Badi, Ali M. Abdulshahed, Turan Erman Erkan, "Assessment of airport performance using the grey theory method: A case study in Libya", Grey Systems: Theory and Application, Vol 7, No 3 pp426-436, 2017
12	Rouyendegh B.D., U. Bac, Erkan, T E, "Sector Selection for ERP Implementation to Achieve Most Impact on Supply Chain Performance by using AHP-TOPSIS Hybrid Method", Technical Gazette, Vol.21 No.5 pp 933-938 2014
11	Erkan, T E, Rouyendegh B.D., and M. Salar, "Solving a Mixed Purchasing Process Problem in Retail Market: A Pilot Study in Turkey", Technical Gazette, Vol.21 No.2 pp365-396 2014
10	Erkan, T E and Can, G. F. "Selecting the best warehouse data collecting system by using AHP and FAHP methods", Technical Gazette, Vol.21 No.1 February 2014 pp 87-93
9	Rouyendegh B.D., T.E. Erkan (2012), Selection Of Academic Staff Using The Fuzzy Analytic Hierarchy Process, Technical Gazette, Vol 19, No 4, 923-929
8	B. D. Rouyendegh, T. E. Erkan "An Application of the Fuzzy ELECTRE Method for Academic Staff Selection" Human Factors and Ergonomics in Manufacturing & Service Industries. Volume 23, Issue 2, pp 107–115, 2013
7	Daneshvar, B E., Erkan, T E.,, "Selecting the Best Supplier Using AHP Method" African Journal of Business Management Vol. 6(4), pp. 1455-1462, 2012
6	Daneshvar, B E., Erkan, T E "ERP System Selection by AHP Method: Case Study from Turkey" International Journal of Business and Management Studies, Vol 3 No 1 pp 39-48, 2011
5	Erkan, T E, Gurson P and Ozdemir Y S, "Intellectual Capital Management Awareness and Level in Manufacturing Industry in Ankara" International Journal of Business and Management Studies, Vol 3 No 1 pp 373-380, 2011
4	Erkan, T E and Bac, U. "Supply Chain Performance Measurement: A Case Study about Applicability of SCOR Model in a Manufacturing Industry Firm" International Journal of Business and Management Studies, Vol 3 No 1 pp 381-390, 2011
3	Baç U., T. E. Erkan, "A model to evaluate supply chain performance and flexibility.", African Journal of Business Management, Vol.5, No:11, pp. 4263-4271, 2011

2	Akyuz A., Erkan T. E., "Supply chain performance measurement: A literature review" International Journal of Production Research, Volume:48,Issue:17,Publisher:Taylor & Francis, pp:5137-5155
1	Erkan T. E., "BPR Effect on ERP Implementation:A Comparative Case Study", World Academy of Science, Engineering And Technology, June 2009, Vol.54, pp. 1513-1516

### PROJECTS (Selected)

10	Social Innovation in the Public – A Case Study on E-Nabiz in Turkey Health System
9	Competitive Advantage Performance Determination of Metrics and Their Effects on Strategic Management Decision Making Processes LAP Project, 2020
8	Determination of Design Management Models Used by Companies in Ankara During Innovation, LAP Project, 2018
7	The Health-Care Services' Performance Evaluation Using: DEA-IFMCDM Model, LAP Project, 2014
6	Determining the Differences Between Sectors in Operational Strategies which Affect The Performance by Using Critical Factor Indexes, LAP Project, 2013
5	Determining the Operational Strategies which Affect The Performance by Using Critical Factor Index: Technology Rankings, LAP Project, 2012
4	Awareness, Applications and Necessity of ERP in Public Sector: A Monographic Study, BAP Project, 2012
3	Importance of Flexibility in Supply Chain and Awareness in SMEs, BAP Project, 2012
2	Selection of Business Intelligence Systems by AHP and Fuzzy AHP: An Empirical Study from Ankara Production Sector, LAP Project, 2011
1	Factors Affecting the Success of ERP and BPR in Supply Chains, BAP Project, 2010

### INTERNATIONAL/NATIONAL BOOKS and CHAPTERS

5	Adil Gürsel Karaçor, Turan Erman Erkan, "Intelligent Techniques for Data Analysis in Diverse Settings", Chapter 14: On the Comparison of Quantitative Predictabilities of Different Financial Instruments, IGI Global, pp 282-299 , (2016)
4	Turan Erman Erkan, Kurumsal Kaynak Planlaması, Atılım Üniversitesi Yayınları , Ankara 2008
3	T. Postacı, O. Belgin, T. E. Erkan, KOBİ'lerde Kurumsal Kaynak Planlaması (ERP) Uygulamaları, Ankara, Verimlilik Genel Müdürlüğü Yayın no 723, 2012
2	Turan Erman ERKAN, U. Koç, D. Pasaoglu, M.Kurulgan, KURUMSAL KAYNAK PLANLAMA SİSTEMLERİ, Anadolu Üniversitesi 2017
1	Sipahioğlu Aydın, Oktal Özlem, Paşaoğlu Baş Didem, Erkan Turan Erman, Hasgül Servet, Özturan Meltem Seba, Bilişim Sistemleri, Anadolu Üniversitesi, 2021

### CONFERENCE PRESENTATIONS (Selected)

26	Erkan TE and G Karacor, On Predictability of Precious Metals Towards Robust Trading, V International Scientific Conference High Technologies Business. Society 2020, Borovets, Bulgaria
25	Erkan T.E., Baç U., Resource Assignment Modelling: A Case Study in Health Sector, "4th International Conference on Economics, Business Management

	and Social Sciences” ICEBSS, September 2019, Budapest, Hungary.
24	Baç U., Erkan T.E., Adoption of Utilization Maximization Objective for a Job-Shop Scheduling Problem in Group Technology Production, “4th International Conference on Economics, Business Management and Social Sciences” ICEBSS, September 2019, Budapest, Hungary
23	Erkan TE and S Calkin, Industry 4.0 and Supply Chain Interaction Analysis with Fuzzy Analytical Hierarchy Process, IV International Scientific Conference High Technologies Business. Society 2019, Borovets, Bulgaria
22	Erkan TE, Evaluation of Customer Relationship Management Selection Criteria, III International Scientific Conference High Technologies Business Society 2018, Borovets, Bulgaria
21	Karaçor GA, Erkan T.E., Quantitative Predictability Analysis of Precious Metals “International conference on knowledge and innovation in Engineering, Science and Technology”, December, Berlin, Germany, 2018.
20	Baç U., Erkan T.E., Categorization of Design Management Models for Innovation, “International conference on knowledge and innovation in Engineering, Science and Technology”, December, Berlin, Germany, 2018.
19	Baç U., Erkan T.E., 2018, Layout Improvement Method Selection for a Mass Production Facility, “International Conference on Industrial Engineering and Operations Management”, July, Paris, France, 2018.
18	Erkan TE, Determining the Weights of Mobile Customer Relationship Management Selection Criteria for Construction Industry, International Conference on Science Technology and Management (ICSTM), Berlin, Germany, 2017
17	Erkan TE, Determining the Weights of Enterprise Resource Planning Selection Criteria for Railway Industry, International Conference on Science Technology and Management (ICSTM), Manchester, UK, 2017
16	U Bac and Erkan T. E., “Effect of Business Process Reengineering and Enterprise Resource Planning on Supply Chain Performance”, 3rd International Conference on IT and Intelligent Systems (ICITIS'2013) Dec. 25-26, 2013 Bangkok, Thailand
15	Erkan T.E, Y. Akkoyun, Lifelong Learning Case Study from Turkish Public Sector: Business Process Management in Social Security Operations, 5th World Conference on Educational Sciences (WCES-2013,) Rome Italy
14	Erkan T.E, B D. Rouyendegh, Curriculum Change Parameters Determined By Multi Criteria Decision Making (MCDM), 5th World Conference on Educational Sciences (WCES-2013,) in Rome in Italy
13	Rashid M. A., Z. Riaz, Erkan T E, V Haskilic, A. Sunje, N. Khan, “Smart Factory: e-Business Perspective of Enhanced ERP in Aircraft Manufacturing Industry” 2012 Proceedings of PICMET '12: Technology Management for Emerging Technologies, Vancouver, Canada
12	Erkan T.E., Baç U., Özdemir T.S., 2013, “Intellectual Capital Management’s and Enterprise Resource Planning’s Implementation Effects on Supply Chain’s Performance”, 3rd World Conference on Information Technology, Barcelona/Spain
11	Erkan T. E, U Bac, Y S Ozdemir “Intellectual Capital Management’s Effects on Enterprise Resource Planning Implementation” ECIC: 4th European Conference on Intellectual Capital, 2012, Helsinki, Finland
10	Sahin, T E Erkan, A. Cekic “Applicability of Urban Information Systems to Municipalities in Turkey” ICIME 2012 International Conference on Information Management and Evaluation, Ankara
9	Ictenbas, B. D. Rouyendegh, T. E. Erkan “Selection of ERP system using QFD Approach - A pilot study from Turkey” ICIME 2012 International Conference on Information Management and Evaluation, Ankara, Turkey
8	Erkan T. E., U Bac and B. D. Rouyendegh “Factors Affecting ERP Implementation Success and Supply Chain Performance” ICIME 2012

	International Conference on Information Management and Evaluation, Ankara, Turkey
7	Erkan T. E., D. Rouyendegh, "ERP Business Productivity Evaluation Among end Users in Turkish Manufacturing Industry" 2.World Conference On Information Technology WCIT-2011, Antalya Turkey
6	B. D. Rouyendegh, T. E. Erkan, "MBA Students' Preference on: Online, Formal and Hybrid MBA Programs" World Conference on Educational Technology Researches, Girne 2011
5	T. E. , Enterprise Resource Planning Implementation Differences Within the Same Methodology - Case Study From West Europe and Turkey, ICIME 2011 International Conference on Information Management and Evaluation, Toronto, Canada
4	Erkan T. E., "Enterprise Resource Planning Implementation: Case Study from West Europe and Turkey" ICSS II, September 2009 İzmir
3	Erkan, T. E., Impact of New Economy In Asia And Africa: Ict Usage and Investment Approach, ICANAS 38 (International Congress of Asian and North African Studies) Ankara 2007
2	Erkan, T. E., Investment in Human Capital: Rate of Return On Education in Information Technology in The United States 1993-2000" V. International Knowledge, economy and management Conference Kocaeli 2006
1	Erkan T. E, U Bac, Y S Ozdemir "A Fuzzy AHP Ranking Model for Intellectual Capital Management Level in Ankara Industries" ISCAMI 2012 Malenovice, Czech Republic

## CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	301
H-index (ISI Web of Science):	7

## COURSES GIVEN

1	Information Systems, Enterprise Resource Planning, Business Process Reengineering, Customer Relationship Management, System Analysis and Design, Production Planning and Control, E-Commerce, Supply Chain Management, Introduction to Economics, Microeconomics, Macroeconomics at Undergraduate level
2	Quantative Methods, New Approches in Production Management, Advances in Management Information Systems, System Analysis and Design, Strategic Planning, Customer Relationship Management, Ebusiness, Operations Management, Supply Chain Planning, New Economy and Its Applications at Graduate level

## THESES SUPERVISED

23	PhD Thesis : "Combining analytic hierarchy process and rank order centroid with geographic information system for airport site selection: A case study in Libya" W. Elsharida
22	PhD Thesis: "A framework for designing an information system for down syndrome patients" HLHA Tameemi, 2019
21	PhD Thesis: "Integrating Lean Six Sigma with Agile Software Development Methodology", with S Badwe, 2019
20	PhD Thesis: "Artificial Neural Network Based Decisive Prediction Models On High Frequency Financial Data" with A. Karacor, January 2016.
19	PhD Thesis: "Assessment of Intellectual Capital by Using a New Fuzzy Analytic Network Process Approach" with YS. Ozdemir, June 2013

18	PhD Thesis: "Developing New Evaluation Metrics To Measure And Improve Supply Chain Performance and Flexibility with Successful ERP Implementation And BPR Application: A Hybrid Fuzzy AHP / ANP / Statistical Analyses Approach" with U. Bac, January 2013.
17	MS Thesis: Evaluation of the customer relationship management(CRM) consultant performance by using swara and waspas methods, 2021 S. Calkin
16	MBA Thesis, "A conceptual roadmap for the fourth industrial revolution (industry 4.0) for small and medium-sized enterprises (SMES)" A Summak, 2020
15	MBA Thesis, "Effect of supply chain management in the operation performance/Ankara case" MD Semso, 2020
14	MBA Thesis, "The impact of knowledge management processes on the educational service quality/an empirical study on Iraqi private universities", MDA Dawood, 2020
13	MBA Thesis, "Impact of total quality management in small and medium enterprises (SME) in Bangladesh" MU Rony, 2019
12	MBA Thesis, "The impact of lean practices on operational performance: An empirical study of Jordanian pharmaceutical companies" M Eneim, 2019
11	MS Thesis, "Strategy Determination of Small and Medium Enterprises: A Comparison of Turkish and Libyan Enterprises" ,W Elmabrouk
10	MS Thesis, "The Human Resources Management Performance Evaluation in Different Sector: Oil Sector and Logistics Sector", HRS Ramdan, 2017
9	MS Thesis: "Mobile Customer Relationship Management: A Tool To Create Competitive Advantage Within Construction Companies in Nigeria" with FA Almakura, 2017.
8	MS Thesis: "Determination of Key Performance Indicators For Measuring Libyan Airports Success" with MI Eshtaiwi,2017,
7	MS Thesis: "An Ergonomic Study Bridging North Cyprus Industrial District Work Places And Domestic Hazards", with BR Khashei, 2017
6	MS Thesis: "Performance Measurement and Improvement in Construction Industry: "An Application of Turkey Case"" with VE. Tuncer, January 2017
5	MS Thesis "Business Intelligence Requirement Analysis in Small and Medium Enterprises" with F Isik, 2016
4	MS Thesis: "Enterprise resource planning selection for railway industry" with A. Kasay, June 2016
3	MS Thesis: "Developing an enterprise resource planning project management roadmap: Cross-country comparison Turkey versus Finland" with E. Rubendiz, June 2015
2	MS Thesis, "Enterprise resource planning selection by multi-criteria decision making methods for defence industry" with M. Metin, June 2012
1	MS Thesis, "Enterprise resource planning requirements, applications and selection in defence industry" with G. Alagoz, June 2012