

Dr. Osman Taylan*Assoc. Prof. Dr., Industrial Engineering Dept., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Artificial Intelligence; Fuzzy sets and systems, Neural networks, & ANFIS	Dept. of Industrial Engineering, Sakarya University, Institute of Science & Tech.,	1995-1999
MS	Production Planning and Management	Dept. of Management Eng., Istanbul Technical University, Institute of Science.	1992-1994
BS	Performance Improvement of Machines via Work Redesign	Dept. of Mining Engineering, Istanbul Technical University	1987-1991

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2008	Date	KAU	Assoc. Prof.		Full
2003	2008	KAU	Assist. Prof.		Full
1998	2003	Girne American University	Assist. Prof.	Chairman, Vice Dean	Full
1993	1998	Dumlupinar University	Research Assistant		Full

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
2002	2003	TRNC, Techno-park development	Assist. Prof.	Member of group	Full
1997	1998	Local Economic Development Committee, Kutahya, Turkey	Researcher	Principal Investigator	Full
2010	2011	Rapid prototyping Lab establishment at KAU	Assoc. Prof. Dr.	Member of Group	Full

Funded Research Projects and Patents from the Past Five Years

- Develop Fuzzy Multiple Criteria Decision Making Approach for Contractor Classification and Selection in Construction Industry at KSA, Submitted to KAU Dean of Scientific Research, September-2012.
- Transportation Sector Market Assessment And Demand Forecast Study, Submitted to:
- Domestic Sales and Logistics Department Saudi Aramco, April 25, 2012

Certifications and Professional Registrations**Current Membership in Professional Societies and Organizations**

	<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1.	Member of Turkish-Saudi Council at Jeddah		2009

Honours and Awards

- Certificate of appreciation for publications at KAU by president of KAU, 2010.
- Certificate of Appreciation for Contribution to ABET activities by Deanship of Engineering Faculty at KAU.

Institutional and Professional Services (*administration, committees, units, etc.*)

1. Member of Industrial Engineering Curriculum Development Team of Girl section at KAU.
2. Member of Engineering Management Group in IE Department
3. Member of OR Group in IE Department

Principal Publications/Presentations from the Past Five Years

1. **Taylan, O.**, Assessing Air Quality in Jeddah by Modeling Suspended PM₁₀ Concentration J. Int. Environmental Application & Science, Vol. 8 (3): 326-335 (2013)
2. **Taylan, O.**, Assessing the Learning Quality in Education at Program level, European Journal of Engineering Education, under revision
3. **Taylan O., Alidrisi, H., Kabli, M.**, A Combinatorial multi criteria decision making approach by Fuzzy TOPSIS and DEA methodologies, South African J. of IE, under revision.
4. **Taylan, O., Bafail, A. O., Abdulaal, R. M. S., Kabli, M. R.**, 'An integrated hybrid methodology for construction project risk assessment: An Application to KAU Projects', Soft Computing Journal, Accepted with minor revision.
5. **Al Ghamdi, K., and Taylan, O.**, A Comparative Study on Material Removal Rate by ANFIS and Polynomial Models in Electrical Discharge Machining Process, Journal of Manufacturing Systems, under revision, 2nd round.
6. **Taylan, O.**, IT project risk assessment of learning organizations by fuzzy set and systems, International Journal of Organizational Analysis, 22(2), accepted for publication.
7. **Aydin, M. E., and Taylan, O.**, Scheduling Cutting Process for Large Paper Rolls, Academic Platform Journal of Engineering and Science, APJES I-I 1-6, (2013).
8. **Taylan, O.**, A Hybrid Methodology of Fuzzy Grey Relation for Determining Multi Attribute Customer Preferences of Edible Oil. Applied Soft Computing, Applied Soft Computing 13, 2981–2989, 2013.
9. **Taylan, O., & Darrab, I. A.**, Fuzzy control charts for process quality improvement and product assessment in Tip Shear carpet industry, Journal of manufacturing technology management, Volume: 23 Issue: 3, pp 402-420, 2012.
10. **Taylan, O.**, Estimating the quality of process yield by fuzzy sets and systems, Expert systems with Applications, 38 (10), 12599–12607, (2011).
11. **Taylan, O., & Darrab, I. A.**, Determining optimal quality distribution of latex weight using adaptive neuro-fuzzy modeling and control systems, Computers and Industrial Engineering, Vol. 61, 3, pp. 686-696, 2011.
12. **Taylan, O.**, The Effect of Information Systems on Enterprise Transformation and Organizational Behavior, Canadian Journal on Data, Information and Knowledge Engineering Vol. 1, No. 1, pp. 30-39, April 2010.

Recent Professional Development Activities (*Workshops, training, etc.*)