

# Prof. SEVGİ ÖZKAN YILDIRIM

## Personal Information

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**Address:** Enformatik Enstitüsü, Orta Doğu Teknik Üniversitesi

## International Researcher IDs

ScholarID: XompHEAAAAAJ

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Publons / Web Of Science ResearcherID: ABA-1153-2020

ScopusID: 56425367800

Yoksis Researcher ID: 163289

## Education Information

Doctorate, Middle East Technical University, Graduate School of Informatics, Information Systems, Turkey 2000 - 2006

Postgraduate, University of Cambridge, Engineering, Electrical-Electronics Engineering, United Kingdom 1998 - 2000

Postgraduate, University of London, Business School, Business Information Systems, United Kingdom 1998 - 1999

Undergraduate, University of Cambridge, Engineering, Electrical and Electronics Engineering, United Kingdom 1994 - 1998

## Foreign Languages

German, B1 Intermediate

French, A1 Beginner

English, C1 Advanced

## Certificates, Courses and Trainings

Other, Teaching and Learning in Higher Education, Higher Education Institute United Kingdom - Brunel University, 2008

## Dissertations

Doctorate, PB-ISAM: Process-Based Evaluation of Information Systems, Middle East Technical University, Graduate School of Informatics, Information Systems, 2006

Postgraduate, Pressures Reshaping Businesses, Royal Holloway, University Of London, Yönetim Bilişim Sistemleri, 1999

## Research Areas

Management Information Systems, Informatics, Software Management, Information Technologies, Information Security and Reliability

## Academic Titles / Tasks

Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2017 - Continues  
Associate Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2011 - 2017  
Assistant Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2009 - 2011  
Assistant Professor, Brunel University, 2007 - 2009  
Research Assistant, Middle East Technical University, Graduate School of Informatics, Information Systems, 2000 - 2009

## Academic and Administrative Experience

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Graduate School of Informatics, Information Systems, 2021 - Continues  
Academic Performance D. Board Member, Middle East Technical University, Graduate School of Informatics, Information Systems, 2021 - Continues  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Middle East Technical University, Graduate School of Informatics, Information Systems, 2019 - Continues  
Head of Department, Middle East Technical University, Graduate School of Informatics, Information Systems, 2019 - 2022  
Assistant Director of the Institute, Middle East Technical University, Graduate School of Informatics, 2009 - 2013

## Courses

Contemporary Socio-Technical Perspectives In Information Systems, Postgraduate, 2018 - 2019

## Advising Theses

Özkan Yıldırım S., EXPLORING THE IMPACT OF IT GOVERNANCE MECHANISMS ON IT AGILITY CAPABILITIES, Doctorate, B.SARI(Student), 2024  
Özkan Yıldırım S., Forecasting and reinforcement learning strategies for efficient energy exchange in peer-to-peer energy trading game among nano/microgrids: Empirical analysis, Postgraduate, R.ŞEYMA(Student), 2024  
Özkan Yıldırım S., A META SYNTHESIS ON CLOUD TASK SCHEDULING ALGORITHMS: COVID-19 AND ONWARDS, Postgraduate, A.HÜSEYİN(Student), 2024  
Özkan Yıldırım S., ANALYSIS OF MOBILE PAYMENT TECHNOLOGIES' ADOPTION USING INTERPRETIVE STRUCTURAL MODELING: SOLIPAY CASE, Postgraduate, O.OZAN(Student), 2024  
Özkan Yıldırım S., Yıldırım İ. S., PREDICTING MANIPULATION ATTEMPTS BY STUDENTS ON LEARNING MANAGEMENT SYSTEMS: AN APPROACH USING MACHINE LEARNING MODEL, Postgraduate, M.MELİH(Student), 2023  
Özkan Yıldırım S., Predicting tennis match outcome: A machine learning approach using the SRP-CRİSP-DM framework, Postgraduate, T.ÜNAL(Student), 2023  
Özkan Yıldırım S., Development of a Decision-Support Tool for Managing Drinking Water Reservoir by Using Machine Learning and Deep Learning Methods, Doctorate, S.ÖZDEMİR(Student), 2023  
Özkan Yıldırım S., Development and Validation of Artificial Intelligence-Based Recruitment Acceptance Model: An Empirical Investigation Among Candidates, Postgraduate, B.AYDEMİR(Student), 2023  
Özkan Yıldırım S., Söğüt M., Optimizing football lineup selection using machine learning, Postgraduate, Y.TAYLAN(Student), 2023  
Özkan Yıldırım S., Atak A., COMPARISON OF MACHINE LEARNING AND STANDARD CREDIT RISK MODELS' PERFORMANCES IN CREDIT RISK SCORING OF BUY NOW PAY LATER CUSTOMERS, Postgraduate, C.Taş(Student), 2023  
Özkan Yıldırım S., Analysis of industry 4.0 technologies' adoption using interpretive structural modelling: Empirical findings from manufacturing sector in Turkey, Postgraduate, Ö.ÖZTÜRK(Student), 2023

Özkan Yildirim S., Development and validation of a cloud framework for a large scale enterprise in defense industry, Postgraduate, S.SAMET(Student), 2023

Özkan Yildirim S., Dimension decoupled region proposal network for object detection, Postgraduate, M.CAN(Student), 2023

Özkan Yildirim S., SEVEN STAGE MODEL OF THE SOFT SYSTEM METHODOLOGY FOR SOFTWARE DEVELOPMENT PROCESS, Postgraduate, G.GÜNAYDIN(Student), 2023

Özkan Yildirim S., Özcan Top Ö., ACCEPTANCE OF SOFTWARE PROCESS IMPROVEMENT MODELS IN SMALL AND MEDIUM SIZED ENTERPRISES: EMPIRICAL FINDINGS OF IT SECTOR IN TURKEY, Doctorate, S.DURMUŞ(Student), 2023

Özkan Yildirim S., Industrial adoption of model-based systems engineering: An investigation within the defence industry, Postgraduate, A.BAYRAMOĞLU(Student), 2022

Özkan Yildirim S., Investigating the factors affecting customer engagement and the influence of customer engagement on brand loyalty in automobile online brand communities, Doctorate, P.BAYRAKTAR(Student), 2022

ÖZKAN YILDIRIM S., Exploring the factors affecting consumer intention to use wearable mobile devices to track health information, Doctorate, T.PANCAR(Student), 2021

ÖZKAN YILDIRIM S., Attitudes of citizens towards IoT-based smart city applications and use: development of an adoption model using structural equation modeling, Doctorate, F.BEŞTEPE(Student), 2021

Özkan Yildirim S., Salient constructs to enhance the acceptance of wearable medical devices: An exploratory research, Doctorate, M.DEĞERLİ(Student), 2020

Özkan Yildirim S., Which matters more in dual identity online brand communities: Brand vs community commitment, Doctorate, S.ALTINIŞIK(Student), 2020

Özkan Yildirim S., Identifying factors affecting auditors' adoption of computer assisted audit tools and techniques (CAATTS): an empirical investigation, Postgraduate, D.DOĞANAY(Student), 2019

Özkan Yildirim S., The right person to the right job: developing a two-sided matching methodology based on real employee data, Postgraduate, F.MUTLU(Student), 2019

ÖZKAN YILDIRIM S., Identifying factors affecting auditors' adoption of computer assisted audit tools and techniques (caatts): an empirical investigation, Postgraduate, D.Doğanay(Student), 2019

ÖZKAN YILDIRIM S., Development of a technology acceptance model for mobile payment systems, Postgraduate, M.ERDEM(Student), 2018

ÖZKAN YILDIRIM S., Soft systems methodology for design process improvement, Postgraduate, B.BAYRAKTAROĞLU(Student), 2018

ÖZKAN YILDIRIM S., TWO STRANDS MODEL OF THE SOFT SYSTEMS IN ACTION: THE CASE OF AN SME IN AUTOMOTIVE COMPONENT AND DEFENSE INDUSTRY, Postgraduate, A.BEGÜM(Student), 2018

ÖZKAN YILDIRIM S., TEZCAN C., Differential factors and differential cryptanalysis of block cipher pride, Postgraduate, E.DOĞAN(Student), 2017

ÇAKIR M. P., ÖZKAN YILDIRIM S., Using learning analytics to track learning process in virtual math teams (VMT) online environment, Doctorate, G.AFACAN(Student), 2016

ÖZKAN YILDIRIM S., Determining online consumer typologies and their shopping behaviors in B2C e-commerce platforms, Doctorate, F.HUSEYNOV(Student), 2016

ÖZKAN YILDIRIM S., Development of a mobile health acceptance model: An empirical investigation on physicians, Doctorate, E.SEZGİN(Student), 2016

ÖZKAN YILDIRIM S., Technology acceptance: A meta-analysis of the theoretical models, Postgraduate, A.SEVİM(Student), 2015

ÖZKAN YILDIRIM S., BAYKAL N., Developing and verifying a set of principles for the cyber security of the critical infrastructures of Turkey, Doctorate, B.KARABACAK(Student), 2015

ÖZKAN YILDIRIM S., KAÇAR I. G., A game-based application on english vocabulary acquisition: A case study in the EFL context, Postgraduate, M.AKKUZU(Student), 2015

ÖZKAN YILDIRIM S., How employees intend to continue complying with information systems' security policies : insights from information systems' continuance model, Postgraduate, J.ABED(Student), 2014

ÖZKAN YILDIRIM S., Identification of factors affecting the e-service adoption: An empirical investigation, Doctorate, Y.ÇETİN(Student), 2014

YILDIRIM İ. S., ÖZKAN YILDIRIM S., A New top-down approach to knowledge management / , Doctorate, İ.Cenik(Student),

2014

ÖZKAN YILDIRIM S., YILDIRIM İ. S., A new top-down approach to knowledge management, Doctorate, İ.CENİK(Student),

2014

ÖZKAN YILDIRIM S., Identification of factors affecting the e-service adoption: an empirical investigation /, Doctorate, Y.Çetin(Student), 2014

ÖZKAN YILDIRIM S., Detection of malicious web pages, Postgraduate, E.SÜREN(Student), 2014

ÖZKAN YILDIRIM S., Assessing the influence of e-commerce item recommender systems on user continuance intention for future use of recommender system, Postgraduate, M.Shahmanzari(Student), 2013

ÖZKAN YILDIRIM S., The students' perceptions about e-learning in a higher education institution in Turkey, Postgraduate, A.SELMAN(Student), 2013

ÖZKAN YILDIRIM S., A usability study on electronic document management system in Middle East Technical University, Postgraduate, A.KARAGÖZ(Student), 2013

ÖZKAN YILDIRIM S., Assessing the influence of e-commerce item recommender system on user continuance intention for future use of recommender system, Postgraduate, M.SHAHMANZARI(Student), 2013

ÖZKAN YILDIRIM S., A quantitative analysis on the probable factors affecting the success of e-government transformation in Turkey: A study based on the data of internal and external stakeholders, Doctorate, G.İSKENDER(Student), 2013

ÖZKAN YILDIRIM S., User preference boosted content-based recommender system, Postgraduate, T.ÖZBERK(Student), 2013

ÖZKAN YILDIRIM S., Empirical investigation of internet banking usage in Turkey, Postgraduate, S.DANESHGADEH(Student), 2013

ÖZKAN YILDIRIM S., ÇETİN Y., Organizational adoption of mobile communication technologies, Doctorate, İ.ARPACI(Student), 2013

ÖZKAN YILDIRIM S., Software development in practice: A qualitative study in Turkish Defense Sector, Postgraduate, B.DİLBER(Student), 2013

ÖZKAN YILDIRIM S., Internet based movie genre suggestion model considering demographical information of users, Postgraduate, T.HACALOĞLU(Student), 2013

ÖZKAN YILDIRIM S., The influence of knowledge-based e-commerce product recommender agents on online-consumer decision making process, Postgraduate, F.HUSEYNOV(Student), 2013

ÖZKAN YILDIRIM S., Identifying factors influencing the acceptance of processes: An empirical investigation using the structural equation modeling approach, Postgraduate, M.DEĞERLİ(Student), 2012

ÖZKAN YILDIRIM S., MUMCUOĞLU Ü. E., Analyses of factors affecting acceptance of homecare technologies by patients with chronic diseases, Postgraduate, A.KUTLAY(Student), 2012

ÖZKAN YILDIRIM S., Development and validation of B2C e-commerce adoption model: An empirical investigation using structural equation modeling and interpretative phenomenological analyses, Doctorate, M.ÇAKIR(Student), 2012

ÖZKAN YILDIRIM S., Yıldırım S., Development and validation of B2C e-commerce adoption model : an empirical investigation using structural equation modeling and interpretative phenomenological analysis, Doctorate, M.Çakır(Student), 2012

ÇAKIR M. P., ÖZKAN YILDIRIM S., Usability testing of a family medicine information system, Postgraduate, S.ÖZ(Student), 2012

ÖZKAN YILDIRIM S., Identifying factors influencing the acceptance of processes an empirical investigation using the structural equation modeling approach, Postgraduate, M.Değerli(Student), 2012

ÖZKAN YILDIRIM S., Identifying factors that facilitate the use of multi-purpose smart cards by university students: An empirical investigation, Postgraduate, M.TEKER(Student), 2011

ÖZKAN YILDIRIM S., An analysis of the main critical factors that affect the acceptance of technology in hospital management systems, Postgraduate, C.PEKER(Student), 2010

BAYKAL N., ÖZKAN YILDIRIM S., University ranking by academic performance: A scientometrics study for ranking world universities, Postgraduate, O.ALAŞEHİR(Student), 2010

ÖZKAN YILDIRIM S., Development of a multi-dimensional model to evaluate higher education instructors' adoption towards learning management system, Postgraduate, D.FINDIK(Student), 2010

ÖZKAN YILDIRIM S., ITMEM-Information Technology Management Enhancement Model: Assessment of information

technology use in organizations, Postgraduate, E.SEZGİN(Student), 2010

ÖZKAN YILDIRIM S., Identifying factors that affect students' acceptance of web-based assessment tools within the context of higher education, Postgraduate, N.ALKIŞ(Student), 2010

ÖZKAN YILDIRIM S., Identifying the effects of education, activities and skills of information technology (it) senior managers and their impact to the organization in the private sector, Postgraduate, N.Atila(Student), 2009

ÖZKAN YILDIRIM S., E-government adoption model based on theory of planned behavior: Empirical investigation, Postgraduate, İ.EMRAH(Student), 2009

ÖZKAN YILDIRIM S., Multi-dimensional evaluation of e-learning systems in the higher education context: Empirical investigations, Postgraduate, R.KÖSELER(Student), 2009

## Designed Lessons

Özkan Yildirim S., Contemporary Socio-Technical Perspectives In Information Systems, Postgraduate, 2018 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring the Impact of IT Governance Mechanisms on IT Agility**  
Sari B., Özkan Yıldırım S., Mandviwalla M., Schuff D.  
INFORMATION SYSTEMS MANAGEMENT, 2024 (SCI-Expanded)
- II. **Prediction of Water Level in Lakes by RNN-Based Deep Learning Algorithms to Preserve Sustainability in Changing Climate and Relationship to Microcystin**  
Ozdemir S., Ozkan Yildirim S.  
SUSTAINABILITY, vol.15, no.22, 2023 (SCI-Expanded)
- III. **Exploring factors affecting consumers' adoption of wearable devices to track health data**  
Pancar T., Özkan Yıldırım S.  
UNIVERSAL ACCESS IN THE INFORMATION SOCIETY, vol.22, no.2, pp.331-349, 2023 (SCI-Expanded)
- IV. **A systematic literature review on lake water level prediction models**  
ÖZDEMİR S., Yaqub M., ÖZKAN YILDIRIM S.  
Environmental Modelling and Software, vol.163, 2023 (SCI-Expanded)
- V. **Acceptance of IoT-based and sustainability-oriented smart city services: A mixed methods study**  
Beştepe F., Özkan Yıldırım S.  
Sustainable Cities and Society, vol.80, 2022 (SCI-Expanded)
- VI. **Identifying critical success factors for wearable medical devices: a comprehensive exploration**  
Degerli M., Yildirim S.  
UNIVERSAL ACCESS IN THE INFORMATION SOCIETY, vol.21, no.1, pp.121-143, 2022 (SCI-Expanded)
- VII. **Online Consumer Typologies and Their Shopping Behaviors in B2C E-Commerce Platforms**  
Huseynov F., Yildirim S.  
SAGE OPEN, vol.9, no.2, 2019 (SSCI)
- VIII. **A Structural Model for Students' Adoption of Learning Management Systems: An Empirical Investigation in the Higher Education Context**  
FINDIK COŞKUNÇAY D., Alkis N., ÖZKAN YILDIRIM S.  
EDUCATIONAL TECHNOLOGY & SOCIETY, vol.21, no.2, pp.13-27, 2018 (SSCI)
- IX. **Understanding the perception towards using mHealth applications in practice: Physicians' perspective**  
Sezgin E., Ozkan-Yildirim S., Yildirim S.  
INFORMATION DEVELOPMENT, vol.34, no.2, pp.182-200, 2018 (SSCI)
- X. **Investigation of physicians' awareness and use of mHealth apps: A mixed method study**  
Sezgin E., Ozkan-Yildirim S., Yildirim S.  
HEALTH POLICY AND TECHNOLOGY, vol.6, no.3, pp.251-267, 2017 (SSCI)

- XI. **A vulnerability-driven cyber security maturity model for measuring national critical infrastructure protection preparedness**  
Karabacak B., Yildirim S., Baykal N.  
INTERNATIONAL JOURNAL OF CRITICAL INFRASTRUCTURE PROTECTION, vol.15, pp.47-59, 2016 (SCI-Expanded)
- XII. **Behavioral Issues in B2C E-commerce: The-state-of-the-art**  
Huseynov F., ÖZKAN YILDIRIM S.  
INFORMATION DEVELOPMENT, vol.32, no.5, pp.1343-1358, 2016 (SSCI)
- XIII. **A cross-sectional investigation of acceptance of health information technology: A nationwide survey of community pharmacists in Turkey**  
Sezgin E., ÖZKAN YILDIRIM S.  
RESEARCH IN SOCIAL & ADMINISTRATIVE PHARMACY, vol.12, no.6, pp.949-965, 2016 (SSCI)
- XIV. **Regulatory approaches for cyber security of critical infrastructures: The case of Turkey**  
Karabacak B., Yildirim S., Baykal N.  
COMPUTER LAW & SECURITY REVIEW, vol.32, no.3, pp.526-539, 2016 (SSCI)
- XV. **Internet users' attitudes toward business-to-consumer online shopping: A survey**  
Huseynov F., ÖZKAN YILDIRIM S.  
INFORMATION DEVELOPMENT, vol.32, no.3, pp.452-465, 2016 (SSCI)
- XVI. **The influence of knowledge-based e-commerce product recommender agents on online consumer decision-making**  
Huseynov F., Huseynov S. Y., ÖZKAN YILDIRIM S.  
INFORMATION DEVELOPMENT, vol.32, no.1, pp.81-90, 2016 (SSCI)
- XVII. **Analysis of success factors in e-government transformation in Turkey: are these factors really the causes of success?**  
Iskender G., ÖZKAN YILDIRIM S.  
INFORMATION DEVELOPMENT, vol.31, no.4, pp.323-332, 2015 (SSCI)
- XVIII. **A model for instructors' adoption of learning management systems: Empirical Validation in higher education context**  
Findik Coşkunçay D., Özkan S.  
Turkish Online Journal of Educational Technology, vol.12, no.2, pp.13-25, 2013 (SCI-Expanded)
- XIX. **e-Government adoption model based on theory of planned behavior: Empirical validation**  
ÖZKAN YILDIRIM S., Kanat I. E.  
GOVERNMENT INFORMATION QUARTERLY, vol.28, no.4, pp.503-513, 2011 (SSCI)
- XX. **Collaborative risk method for information security management practices: A case context within Turkey**  
ÖZKAN YILDIRIM S., Karabacak B.  
INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT, vol.30, no.6, pp.567-572, 2010 (SSCI)
- XXI. **Multi-dimensional students' evaluation of e-learning systems in the higher education context: An empirical investigation**  
Özkan Yildirim S., Koseler R.  
COMPUTERS & EDUCATION, vol.53, no.4, pp.1285-1296, 2009 (SCI-Expanded)
- XXII. **t-Government for benefit realisation: A research agenda**  
Sahraoui S., Ghoneim A., Irani Z., Ozkan S.  
EVALUATING INFORMATION SYSTEMS: PUBLIC AND PRIVATE SECTOR, pp.322-337, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Analysis of Software Process Improvement Activities in SMEs: A Systematic Literature Review**  
Durmuş S., Özcan Top Ö., Özkan Yıldırım S.  
Bilişim Teknolojileri Dergisi, vol.14, no.4, pp.411-423, 2021 (Peer-Reviewed Journal)
- II. **Towards Development of a Model for Acceptance of Software Process Improvement Models in SMEs:**

### **Preliminary Findings**

Durmuş S., Özkan Yıldırım S., Özcan Top Ö.

Journal of Information Systems and Management Research, vol.3, no.1, pp.51-60, 2021 (Peer-Reviewed Journal)

- III. **IDENTIFICATION OF THE FACTORS AFFECTING CUSTOMER ENGAGEMENT IN ONLINE BRAND COMMUNITIES: A PILOT STUDY**  
Özkan Yıldırım S., Bayraktar P.  
IADIS International Journal on WWW/Internet, vol.17, no.1, pp.14-29, 2019 (Peer-Reviewed Journal)
- IV. **CONSUMERS' ADOPTION OF SOCIAL COMMERCE: A SYSTEMATIC LITERATURE REVIEW**  
Özkan Yıldırım S., Altınışık S.  
Mugla Journal of Science and Technology, vol.3, no.2, pp.131-137, 2017 (Peer-Reviewed Journal)
- V. **Behavioral Segmentation Analysis of Online Consumer Audience in Turkey by Using Real E-Commerce Transaction Data**  
HUSEYNOV F., ÖZKAN YILDIRIM S.  
International Journal of Economics and Business Research, vol.14, pp.12-28, 2017 (Scopus)
- VI. **Behavioural segmentation analysis of online consumer audience in Turkey by using real e-commerce transaction data**  
Huseynov F., Yildirim S.  
International Journal of Economics and Business Research, vol.14, no.1, pp.12-28, 2017 (Scopus)
- VII. **Assessing the Effect of E-Commerce Intelligent Bots on Online Consumers' Post-adoption Behavior for Future Use**  
Özkan Yıldırım S.  
American Academic & Scholarly Research Journal, vol.6, no.4, pp.163-171, 2014 (Peer-Reviewed Journal)
- VIII. **Assessment of Information Technology Use in Small and Medium-Sized Enterprises: Empirical Investigation in Five Cases**  
Sezgin E., Ozkan S.  
INFORMATION SYSTEMS FOR SMALL AND MEDIUM-SIZED ENTERPRISES: STATE OF ART OF IS RESEARCH IN SMES, pp.97-121, 2014 (Peer-Reviewed Journal)
- IX. **E-government transformation success: An assessment methodology and the preliminary results**  
Iskender G., Özkan S.  
Transforming Government: People, Process and Policy, vol.7, no.3, pp.364-392, 2013 (ESCI)
- X. **The Demand Side for Development of E-Government Services and Gateway in Turkey: Taking Citizen Perceptions and Suggestions into Account**  
Medeni D. T., ÇETİN Y., Balci A., Ozkan S.  
DIGITAL DEMOCRACY: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS, VOL 1, pp.1386-1406, 2012 (Peer-Reviewed Journal)
- XI. **Facilitating the adoption of e-payment systems: Theoretical constructs and empirical analysis**  
Özkan S., Bindusara G., Hackney R.  
Journal of Enterprise Information Management, vol.23, no.3, pp.305-325, 2010 (ESCI)
- XII. **Evaluating learning management systems: Adoption of hexagonal e-learning assessment model in higher education**  
Ozkan S., Koseler R., BAYKAL N.  
Transforming Government: People, Process and Policy, vol.3, no.2, pp.111-130, 2009 (ESCI)
- XIII. **Exploring citizens' perception of government to citizen services: A model based on theory of planned behaviour (TBPss)**  
Kanat I. E., Özkan S.  
Transforming Government: People, Process and Policy, vol.3, no.4, pp.406-419, 2009 (ESCI)
- XIV. **Research note: Toward a reference process model for citizen-oriented evaluation of e-Government services**  
Lee H., Osman I. H., Balci A., Ozkan S., Irani Z., Medeni T. D.  
Transforming Government: People, Process and Policy, vol.2, no.4, pp.297-310, 2008 (ESCI)
- XV. **A maturity based qualitative information systems effectiveness evaluation of a public organization in**

## Turkey

Ozkan S., Cakir M., Bilgen S.

Journal of Cases on Information Technology, vol.10, no.3, pp.58-71, 2008 (ESCI)

- XVI. **Process based information systems evaluation: Towards the attributes of "pRISE"**  
Özkan S., Hackney R., Bilgen S.  
Journal of Enterprise Information Management, vol.20, no.6, pp.700-725, 2007 (ESCI)
- XVII. **Evaluating eReverse auctions (EeRA): A case research note**  
Hackney R., Loesch A., Irani Z., Ghoneim A., Ozkan S.  
Transforming Government: People, Process and Policy, vol.1, no.1, pp.59-66, 2007 (ESCI)
- XVIII. **Evaluation of a Hospital Information System in an International Context: Towards Implementing PB-ISM in Turkey**  
ÖZKAN YILDIRIM S., BAYKAL N., Sincan M.  
Electronic Journal of Information Systems in Developing Countries, vol.28, no.1, pp.1-10, 2006 (Scopus)
- XIX. **All together now: Merging IT quality and other BPM frameworks**  
Ozkan S.  
Cutter IT Journal, vol.18, no.3, pp.16-20, 2005 (Scopus)

## Books & Book Chapters

- I. **Enablers for IoT regarding Wearable Medical Devices to Support Healthy Living: The Five Facets**  
Değerli M., Özkan Yıldırım S.  
in: IoT in Healthcare and Ambient Assisted Living, Gonçalo Marques, Akash Kumar Bhoi, Victor Hugo C. de Albuquerque, Hareesha K.S., Editor, Springer Nature, Singapore, pp.201-222, 2021
- II. **Telemedicine in the Current New Normal: Opportunities and Barriers**  
Değerli M., Özkan Yıldırım S.  
in: Enhanced Telemedicine and e-Health: Advanced IoT Enabled Soft Computing Framework, Gonçalo Marques, Akash Kumar Bhoi, Isabel de la Torre Díez, Begonya Garcia-Zapirain, Editor, Springer Nature, Zürich, pp.27-36, 2021
- III. **Smart Wearable Technology for Health Tracking: What Are the Factors that Affect Their Use?**  
Pancar T., Özkan Yıldırım S.  
in: IoT in Healthcare and Ambient Assisted Living, Gonçalo Marques, Akash Kumar Bhoi, Victor Hugo C. de Albuquerque, Hareesha K.S., Editor, Springer Nature, Singapore, pp.165-199, 2021
- IV. **Blockchain for Ensuring Security, Privacy, and Trust in IoT Environments: The State of the Art**  
Erdem A., Özkan Yıldırım S., Angin P.  
in: Security, Privacy and Trust in the IoT Environment, Zaigham Mahmood, Editor, Springer, London/Berlin, Derby, pp.97-122, 2019
- V. **Current and Emerging mHealth Technologies- Adoption, Implementation, and Use**  
Sezgin E. (Editor), Yıldırım İ. S. (Editor), Özkan Yıldırım S. (Editor), Şumuer E. (Editor)  
Springer, London/Berlin, London, 2018
- VI. **Chapter 10: Intention vs. Perception: Understanding the differences of physicians' attitudes towards mobile health applications**  
Özkan Yıldırım S., Yıldırım İ. S., Sezgin E.  
in: CURRENT AND EMERGING M-HEALTH TECHNOLOGIES, Sezgin, I. Yıldırım, S. Sümür, Sevgi Ozkan Yıldırım, Editor, Springer, London/Berlin, Berlin, pp.153-166, 2018
- VII. **Chapter 17: Adoption of Internet of Things in Healthcare Organizations**  
Özkan Yıldırım S., Cicibaş H.  
in: CURRENT AND EMERGING M-HEALTH TECHNOLOGIES, sezgin emre, yıldırım soner, yıldırım sevgi, sümür evren, Editor, Springer, London/Berlin, Berlin, pp.283-302, 2018
- VIII. **Intention vs. Perception: Understanding the differences in Physicians'xx Attitudes Toward Mobile Health Applications**



Sezgin e., ÖZKAN YILDIRIM S., YILDIRIM İ. S.

in: Current and Emerging mHealth Technologies: Adoption, Implementation, and Use, Sezgin, E. Yildirim, S. Yildirim-Ozkan, S. Sumuer, E., Editor, Springer, Cham, pp.153-166, 2018

**IX. Chapter 13: Acceptance of Mobile Homecare Technologies: An Empirical Investigation on Patients with Chronic Diseases**

Özkan Yildirim S., Kutluay A., Mumcuoğlu Ü. E.

in: CURRENT AND EMERGING M-HEALTH TECHNOLOGIES, sezgin,e yildirim,s,i yildirim,s sümür,e, Editor, Springer, London/Berlin , Berlin, pp.201-222, 2018

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## **Refereed Congress / Symposium Publications in Proceedings**

**I. INVESTIGATING SOFTWARE DEVELOPMENT BUSINESS PROCESSES USING SOFT SYSTEMS METHODOLOGY**

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17th IADIS International Conference Information Systems 2024, IS 2024, Porto, Portugal, 9 - 11 March 2024, pp.131-135

**II. ANALYSIS OF INDUSTRY 4.0 TECHNOLOGIES' ADOPTION USING INTERPRETIVE STRUCTURAL MODELLING**

Özkan Yildirim S., Ozturk O.

17th IADIS International Conference Information Systems 2024, IS 2024, Porto, Portugal, 9 - 11 March 2024, pp.3-10

**III. RETHINKING THE CENTRALIZATION OF IT GOVERNANCE: VOICES OF SENIORS FROM A LARGE TECHNOLOGY ORGANIZATION**

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**IV. Interpreting Group Differences of Relations among Success Factors for Wearable Medical Devices**

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**V. THE RIGHT PERSON TO THE RIGHT JOB: DEVELOPING A TWO-SIDED MATCHING METHODOLOGY BASED ON REAL EMPLOYEE DATA**

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**VI. Attitudinal Mechanisms in 'Dual Identity' Online Brand Communities: An Empirical Investigation**

ÖZKAN YILDIRIM S., ALTINIŞIK S.

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- VIII. **TOWARDS DEVELOPMENT OF A MODEL FOR ACCEPTANCE OF SOFTWARE PROCESS IMPROVEMENT MODELS IN SMEs:PRELIMINARY FINDINGS**  
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- IX. **METHODOLOGICAL FOUNDATIONS OF MHEALTH DESIGNSTUDIES: A CONTENT ANALYSIS OF LITERATURE**  
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- X. **Adoption Factors of Health Monitoring Systems for Smart Healthcare: A Systematic Review**  
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- XI. **ONLINE BRAND COMMUNITIES IN SOCIAL COMMERCE:IDENTIFYING FACTORS AFFECTING CUSTOMER ENGAGEMENT**  
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- XII. **A SYSTEMATIC REVIEW ON SMART CITY SERVICES AND IOT-BASED TECHNOLOGIES**  
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- XIII. **Using Soft Systems Methodology Approach to Improve Technical Solution Sub-process of Engineering Process in a SME: A Case Study**  
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- XIV. **Yaşlıların Aile Bakıcıları için Sürdürülebilir Mobil Sağlık**  
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- XV. **MOBILE AND WEARABLE TECHNOLOGIES İN HEALTHCARE: A SYSTEMATIC REVIEW AND THE STATE-OF-THE-ART**  
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- XVI. **IMPLICATIONS OF INDUSTRY 4.0 TO SUPPLY CHAIN MANAGEMENT AND HUMAN RESOURCES MANAGEMENT**  
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- XIX. **SAĞLIK ALANINDA MOBİL VE GİYİLEBİLİR TEKNOLOJİLER: SİSTEMATİK LİTERATÜR TARAMASI VE MEVCUT DURUM**  
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- XX. **Investigating continuous security compliance behavior: Insights from information systems continuance model**  
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- XXI. **A game-based mobile application on English vocabulary acquisition: Cross-situational learning approach**  
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- XXII. **A Literature Review on Attitudes of Health Professionals towards Health Information Systems: From e-Health to m-Health**  
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- XXIII. **Empirical investigation of internet banking usage: The case of Turkey**  
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- XXIV. **Work in Progress toward Adoption of an e-Health Application by Healthcare Personnel: A Model Validation**  
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- XXV. **A systematic review of technology acceptance model in e-learning context**  
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- XXVII. **Lokasyon tabanlı mobil kampus uygulaması ve kullanılabilirlik değerlendirmesi**  
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- XXX. **Yazılım veya yazılım-yoğun sistem mühendisliği iş süreçleri açısından yüksek olgunluk seviyesinde olan veya yüksek olgunluk seviyesine ulaşmak isteyen organizasyonlar için bazı tespitler ve öneriler**  
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- XXXI. **Building a methodology to assess the e-government transformation success**  
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- XLI. **Identifying Success Factors for WBLMS Use by Instructors of Engineering Departments**  
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- XLII. **Work in Progress - A Modified Technology Acceptance Model for E-Assessment: Intentions of Engineering Students to Use Web-Based Assesment Tools**  
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## Supported Projects

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Özkan Yıldırım S., Ercengiz N. F., TUBITAK Project, LOKMAN - YENİ NESİL SAĞLIK BİLİŞİM YÖNETİM SİSTEMİ, 2019 - 2019

Özkan Yıldırım S., Armağan B. Ş., TUBITAK Project, TERZİ - Bulut Temelli Pratik Uygulama Üretim Sistemi, 2018 - 2019

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## Scientific Refereeing

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TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Middle East Technical University, Turkey, September 2023

TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Middle East Technical University, Turkey, September 2023

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TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2023

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## **Metrics**

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## **Non Academic Experience**

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