

Asst. Prof. Ahmet COŞKUNÇAY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-5099-2019

ScopusID: 56426408500

Yoksis Researcher ID: 164267

Biography

Ahmet Coşkunçay is an assistant professor in Computer Engineering Department of Ataturk University, Turkey. As a PhD holder in Information Systems from Middle East Technical University, he has been actively participating in private sector projects as a software engineering researcher and consultant. He is also the technology development zone vice general manager of AtaTeknokent. His research interests include business process management, software process improvement, software requirements engineering, and ontology development. Contact him at ahmet.coskuncay@gmail.com

Education Information

Doctorate, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri, Turkey 2010 - 2016

Postgraduate, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri, Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty Of Engineering, Endüstri Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

IT, CMMI for Development v1.3, Carnegie Mellon University - Software Engineering Institute (SEI), 2011

IT, COSMIC Functional Size Measurer, Common Software Measurement International Consortium, 2010

Dissertations

Doctorate, A Method and Tool Support for Integrated Business Process Modeling and Ontology Development, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişim Sistemleri, 2016

Postgraduate, An Approach for Generating Natural Language Specifications by Utilizing Business Process Models, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişim Sistemleri, 2010

Research Areas

Computer Sciences, Computer Learning, Software, Software Engineering

Academic Titles / Tasks

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues

Medical Doctor, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri, 2017 - 2018

Medical Doctor, Ted University, Faculty Of Engineering, Bilgisayar Mühendisliği, 2016 - 2017

Research Assistant, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri, 2007 - 2016

Academic and Administrative Experience

Head of Department, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Deputy Head of Department, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2022

Courses

Bilgisayar Müh. Seçmeli Tasarım II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Nesneye Yönelik Programlama, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Yazılım Doğrulama ve Geçerleme, Undergraduate, 2023 - 2024

Semantic Web Technologies, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Bilgisayar Müh. Seçmeli Tasarım II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Vocational Education in Business, Undergraduate, 2023 - 2024

Yazılım Doğrulama ve Geçerleme, Undergraduate, 2023 - 2024

İşletmede Mesleki Eğitim, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Object Oriented Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

İşletim Sistemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Yazılım Mühendisliği, Undergraduate, 2023 - 2024, 2022 - 2023

Bilgisayar Müh. Seçmeli Tasarım I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bilgisayar Müh. Seçmeli Tasarım I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

İşletim Sistemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Operating Systems, Undergraduate, 2023 - 2024, 2022 - 2023

Advanced Software Engineering, Postgraduate, 2022 - 2023, 2021 - 2022

Yazılım Mühendisliği, Undergraduate, 2023 - 2024, 2022 - 2023

Software Engineering, Undergraduate, 2023 - 2024, 2022 - 2023

İstatistik ve Olasılık, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Bitirme Projesi II, Undergraduate, 2021 - 2022, 2020 - 2021

İstatistik ve Olasılık, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Bitirme Projesi II, Undergraduate, 2021 - 2022, 2020 - 2021

Statistics and Probability, Undergraduate, 2021 - 2022

Object Oriented Programming, Undergraduate, 2020 - 2021

Bitirme Projesi I, Undergraduate, 2021 - 2022

Visual Programming, Undergraduate, 2021 - 2022

Bitirme Projesi I, Undergraduate, 2021 - 2022

Software Quality Management, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Veritabanı Yönetim Sistemleri, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Database Management Systems, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Programlamaya Giriş, Undergraduate, 2018 - 2019
Programlamaya Giriş, Undergraduate, 2018 - 2019
Introduction to Information Technologies, Undergraduate, 2016 - 2017
Management Information Systems, Postgraduate, 2016 - 2017
Software Project Management, Postgraduate, 2017 - 2018
Management Information Systems, Undergraduate, 2016 - 2017
Introduction to Information Technologies, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **What Makes Agile Software Development Agile?**
Kuhrmann M., Tell P., Hebig R., Kluender J., Muench J., Linszen O., Pfahl D., Felderer M., Prause C. R., MacDonell S. G., et al.
IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol.48, no.9, pp.3523-3539, 2022 (SCI-Expanded)
- II. **A method for integrated business process modeling and ontology development**
COŞKUNÇAY A., Demirors O.
BUSINESS PROCESS MANAGEMENT JOURNAL, vol.28, no.3, pp.606-629, 2022 (SSCI)
- III. **Characterizing industry-academia collaborations in software engineering: evidence from 101 projects**
Garousi V., Pfahl D., Fernandes J. M., Felderer M., Mantyla M., Shepherd D., Arcuri A., Coşkunçay A., Tekinerdogan B.
EMPIRICAL SOFTWARE ENGINEERING, vol.24, pp.2540-2602, 2019 (SCI-Expanded)
- IV. **Correlation of critical success factors with success of software projects: an empirical investigation**
GAROUSİ V., TARHAN A., PFAHL D., Coskuncay A., Demirors O.
SOFTWARE QUALITY JOURNAL, vol.27, no.1, pp.429-493, 2019 (SCI-Expanded)
- V. **Cross-factor analysis of software engineering practices versus practitioner demographics: An exploratory study in Turkey**
Garousi V., Coskuncay A., Demirors O., Yazici A.
JOURNAL OF SYSTEMS AND SOFTWARE, vol.111, pp.49-73, 2016 (SCI-Expanded)
- VI. **A survey of software engineering practices in Turkey**
Garousi V., Coskuncay A., Betin-Can A., Demirors O.
JOURNAL OF SYSTEMS AND SOFTWARE, vol.108, pp.148-177, 2015 (SCI-Expanded)
- VII. **Software Development in Turkey**
Demirors O., Coskuncay A.
IT PROFESSIONAL, vol.17, no.3, pp.10-13, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Crop Classification with Attention Based BI-LSTM and Temporal Convolution Neural Network Combination for Remote Sensing Breizhcrop Time Series Data**
BANDAR A. N. A. A., Coşkunçay A.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.29, no.1, pp.173-188, 2024 (Peer-Reviewed Journal)
- II. **Enhancing Software Process Assessment with an Ontology-Based Tool: Integrating CMMI, SPICE, and TMMI Models**
Başkara R., Coşkunçay A.
Gazi University Journal of Science Part A: Engineering and Innovation, vol.10, no.4, pp.542-554, 2023 (Peer-Reviewed Journal)
- III. **Derin Evrişimli Sinir Ağları Kullanılarak Pirinç Hastalıklarının Sınıflandırılması**

Veziroğlu E., Paçal İ., Coşkunçay A.

Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.792-814, 2023 (Peer-Reviewed Journal)

IV. **Modeling Automobile Sales in Türkiye with Regression-Based Machine Learning Algorithms**

BABAOĞLU M., COŞKUNÇAY A., AYDIN T.

Journal of Data Applications, vol.1, pp.19-33, 2023 (Peer-Reviewed Journal)

V. **An Exploratory Case Study for Assessing the Measurement Capability of an Agile Organization**

SALMANOĞLU M., COŞKUNÇAY A., YILDIZ A., DEMİRÖRS O.

Software Quality Professional Magazine, vol.20, pp.36-47, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Entrepreneurship and Entrepreneurial Ecosystem: Effects of COVID-19 and the Role of ICTs.**

Fındık Coşkunçay D., Coşkunçay A.

in: Handbook of Research on Entrepreneurship, Innovation, Sustainability, and ICTs in the Post-COVID-19 Era ,

Luisa Cagica Carvalho, Leonilde Reis, Clara Silveira, Editor, IGI Global, Pennsylvania, pp.184-204, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Process Mining in Subject-Oriented Business Process Modeling**

TAYBA A., COŞKUNÇAY A., ÖZYER B., LEBLEBİCİ O., DEMİRÖRS O.

Ulusal Yazılım Mühendisliği Sempozyumu (UYMS'22), Erzurum, Turkey, 27 February 2023, vol.1360, pp.300-309

II. **Stetoskop Sesinden Kalp Atışı Anormalliklerinin Sınıflandırılması**

VEZİROĞLU E., COŞKUNÇAY A., YAĞANOĞLU M.

Ulusal Yazılım Mühendisliği Sempozyumu (UYMS'22), Erzurum, Turkey, 27 February 2023, vol.1360, pp.272-286

III. **Research Trends in Mobile Robots: A Comparative Analysis within the Periods Before and After the Industry 4.0 Revolution**

Uğuz S., Özyer B., Coşkunçay A.

12th International Conference on Industrial Technology and Management, Cambridge, England, 16 - 18 February 2023, pp.1-5

IV. **The Task of Picking Up Boxes Using a Robotic Manipulator Based on Semantic Knowledge**

ÖZTÜRK S. B., UĞUZ S., ÖZYER B., COŞKUNÇAY A.

Joint Ontology Workshops 2022 (JOWO 2022), Jönköping, Sweden, 15 August 2022

V. **An ontology to support TMMi-based test process assessment**

Çiflikli E. G., COŞKUNÇAY A.

18th International Conference on Software Process Improvement and Capability Determination, SPICE 2018, Thessaloniki, Greece, 9 - 10 October 2018, vol.918, pp.345-354

VI. **TRANSFORMATION FROM BUSINESS PROCESS MODELS TO PROCESS ONTOLOGY: A CASE STUDY**

COŞKUNÇAY A., GÜRBÜZ Ö., DEMİRÖRS O.

MCIS 2017, 4 - 05 September 2017

VII. **PROMPTUM toolset: Tool support for integrated ontologies and process models**

Coşkunçay A., Gürbüz Ö., Demirörs O., EKİNCİ E. E.

International Conference on Business Process Management, BPM 2016, Rio-De-Janeiro, Brazil, 18 - 22 September 2016, vol.281, pp.93-105

VIII. **Exploration of a Practical Approach for Assessing the Measurement Capability of Software Organizations**

SALMANOĞLU M., Demirörs O., Coskunçay A., Yildiz A.

17th International Conference on Software Process Improvement and Capability Determination (SPICE), Palma de Mallorca, Spain, 4 - 05 October 2017, vol.770, pp.415-429

IX. **Model Tabanlı Süreç İyileştirme Çalışmalarının Kurumlarda Benimsenmesine Yönelik Bir Anket**

Çalışması

Yıldız A., COŞKUNÇAY A., DEMİRÖRS O., SEYREKBASAN İ., ALTAY M.

Ulusal Yazılım Muhendisliği Sempozyumu (UYMS) 2014, Güzelyurt, Cyprus (Kkctc), 8 - 10 September 2014

- X. **İş Süreç Modellerinden Süreç Ontolojisine Dönüşüm Bir Durum Çalışması**
COŞKUNÇAY A., GÜRBÜZ Ö., DEMİRÖRS O.
Ulusal Yazılım Muhendisliği Sempozyumu (UYMS) 2014, Güzelyurt, Cyprus (Kkctc), 8 - 10 September 2014
- XI. **Türkiye deki Yazılım Test Uygulamaları Anketi**
GAROUSİ V., COŞKUNÇAY A., BETİN CAN A., DEMİRÖRS O.
Ulusal Yazılım Muhendisliği Sempozyumu (UYMS) 2013, İzmir, Turkey, 26 September 2013
- XII. **Kamuda İş Süreçleri Modelleme Gereği ve Yararları**
AYSOLMAZ B., COŞKUNÇAY A., DEMİRÖRS O., Yıldız A.
Ulusal Yazılım Muhendisliği Sempozyumu (UYMS) 2011, Turkey, 26 - 28 September 2011
- XIII. **Eşzamanlı İş Süreci Modelleme ve Gereksinim Analizi için bir Yaklaşım**
COŞKUNÇAY A., AYSOLMAZ B., DEMİRÖRS O., BİLEN Ö., DOĞAN İ.
Yazılım Kalitesi ve Yazılım Geliştirme Araçları Sempozyumu (YKGS), İstanbul, Turkey, 3 - 04 December 2010
- XIV. **Bridging The Gap Between Business Process Modeling And Software Requirements Analysis A Case Study**
COŞKUNÇAY A., AYSOLMAZ B., DEMİRÖRS O., BİLEN Ö., DOĞAN İ.
Mediterranean Conference on Information Systems (MCIS), Tel-Aviv-Yafo, Israel, 12 - 14 September 2010

Supported Projects

ÇİFTÇİ B., SARIALIOĞLU A., AVŞAR G., ÖZALP C., COŞKUNÇAY A., Project Supported by Higher Education Institutions, Terapötik Dokunmatik Cihazının Prototipinin Oluşturulması ve Etkinliğinin Test Edilmesi, 2023 - Continues

ÇİFTÇİ B., BİRDAL O., COŞKUNÇAY A., YAĞANOĞLU M., Project Supported by Higher Education Institutions, Dijital EKG Cihazı, 2021 - Continues

COŞKUNÇAY A., TÜMÜKLÜ ÖZYER G., ÖZYER B., YAĞANOĞLU M., BOZKURT F., GÜNAY F. B., FINDIK COŞKUNÇAY D., ÖZTÜRK S. B., Project Supported by Higher Education Institutions, 16. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS 2022), 2022 - 2023

COŞKUNÇAY A., KURU M., ÖZTÜRK M. E., HACIOĞLU B., MUŞMUL H. H., ERBAŞ F., ÖZDEMİR H., AKIN K., MADKHOSHİMOV R., YILDIRIM M., et al., Project Supported by Higher Education Institutions, Formula Student Yarışması İçin Formula Aracı Üretilmesi Geliştirilmesi ve Sonraki Yarışmalar için Alt Yapının Oluşturulması, 2019 - 2020

Scientific Refereeing

SOFTWARE - PRACTICE AND EXPERIENCE, Journal Indexed in SCI-E, November 2023

Journal of Big Data, Journal Indexed in SCI-E, October 2023

IEEE SOFTWARE, Journal Indexed in SCI-E, October 2023

SAGE OPEN, Journal Indexed in SSCI, June 2023

BUSINESS PROCESS MANAGEMENT JOURNAL DEVELOPING RE-ENGINEERING TOWARDS INTEGRATED PROCESS MANAGEMENT, Journal Indexed in SSCI, June 2023

16. Ulusal Yazılım Mühendisliği Sempozyumu, Conference Paper (Full Text), December 2022

Journal of the Institute of Science and Technology, National Scientific Refreed Journal, December 2022

SAGE OPEN, SCI Journal, December 2022

Bilişim Teknolojileri Dergisi, National Scientific Refreed Journal, July 2022

IET SOFTWARE, SCI Journal, June 2022

BUSINESS PROCESS MANAGEMENT JOURNAL DEVELOPING RE-ENGINEERING TOWARDS INTEGRATED PROCESS MANAGEMENT, Journal Indexed in SSCI, May 2021

SAGE OPEN, Journal Indexed in SSCI, December 2020

Yönetim Bilişim Sistemleri Dergisi, National Scientific Refreed Journal, June 2019

6th International Workshop on the Interrelations between Requirements Engineering & Business Process Management (REBPM) in conjunction with the 17th International Conference on Business Process Management (BPM 2019), Conference Paper (Full Text), June 2019

SAGE Open, Journal Indexed in SSCI, March 2019

Balkan Journal of Electrical and Computer Engineering, Other Indexed Journal, February 2019

Bilişim Teknolojileri Dergisi, National Scientific Refreed Journal, February 2019

5th International Workshop on the Interrelations between Requirements Engineering & Business Process Management (REBPM) in conjunction with the 16th International Conference on Business Process Management (BPM 2018), Conference Paper (Full Text), June 2018

Tasks In Event Organizations

Özyer B., Coşkunçay A., 16. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS'22), Scientific Congress, Erzurum, Turkey, Mart 2023

Scientific Research / Working Group Memberships

Hybrid dEveLopmENt Approaches in software systems development, Türkiye, <https://helenastudy.wordpress.com/>, 2017 - Continues

Metrics

Publication: 27

Citation (WoS): 131

Citation (Scopus): 192

H-Index (WoS): 5

H-Index (Scopus): 6

Entrepreneurship Activities

Anonymous, BİLGİ GRUBU YAZILIM ARAŞTIRMA EĞİTİM VE DANIŞMANLIK ANONİM ŞİRKETİ, 11 November 1998, Co-Founder

Non Academic Experience

Technology Development Zone, ATA TEKNOKENT

Bilgi Grubu Ltd

Business Establishment Private, Bilgi Grubu Ltd.