



First name(s) / Surname(s) **Kaan Kurtel, PhD.**

Business Address Izmir University of Economics
Faculty of Engineering
Department of Software Engineering
Sakarya Cad. No.156 Balcova 35330 Izmir Turkey

Telephone(s) Business: +90 (232) 488 8334 Mobile: +90 (532) 641 2771

Fax(es) +90 (232) 279 2626

E-mail kaan.kurtel@ieu.edu.tr
kaankurtel@yahoo.com

URL <http://homes.ieu.edu.tr/kkurtel>
<http://deviot.ieu.edu.tr/>

Nationality Turkish

Date of birth 7 September 1961

Gender Male

**Desired employment /
Occupational field**

Specialities: Software engineering, Software testing, Python Programming, Software design and analysis, Agile development, Software maintenance, Software measurement, DevOps, IoT, Business process development, Software project management, Information Systems, Logistics Information Systems.

**Online learning and course
platforms**

Blackboard learning management system (at Izmir University of Economics)
Moodle - open source course management system (at National University of Ireland Maynooth)
Panopto – online Video Platform (at Izmir University of Economics)
TURTEP Student Information System – in-house online learning system developed by Khoja Akhmet Yassawi international Kazakh-Turkish university.
(https://www.ayu.edu.tr/index.php?sayfa=lang_change&lang=2)

Work experience

2003 - TO PRESENT	IZMIR UNIVERSITY ECONOMICS (IUE) <ul style="list-style-type: none">• Asst. Prof. Dr. at Faculty of Engineering, Software Engineering Department (2008-current)• The University Coordinator of Izmir Science Park, (2014-current)• Graduate School Computer Engineering Program Coordinator, (2017-current)• Member of Mentor Network of Izmir Chamber of Commerce, (2015-current)• Board Member of Continuing Education Center, (2009-2014)• Full time instructor and vice director of vocational school, (2003-2008) Teaching, academic research, and managerial activities: Departmental Coordinator of Double Major and Minor Programs, Member of Students' Internship Committee, Member of Disciplinary Board of the Faculty.
MAY 2015 – TO PRESENT	RESEARCHER <p>Works as a researcher on the project of “Architecture, Design and Implementation of Context Aware Service Platform” sponsored by the Scientific and Technological Research Council of Turkey – TUBITAK, 3001-Starting R&D Projects Funding Program. Project number: 114E938. Duration: Two years. http://deviot.ieu.edu.tr/</p>
APRIL 2015 – TO PRESENT	ADVISOR <p>Works as an advisor on the project of “Sensor-Based Veterinarian Diagnosis Support Software: VET-DEY” sponsored by the Scientific and Technological Research Council of Turkey – TUBITAK, TÜBİTAK, 2209A Undergraduate Scholarship Program. Project number: 1919B011402522. Duration: One year. http://deviot.ieu.edu.tr/</p>
SEPT. 2008 – SEPT. 2015	PART-TIME LECTURER AT AHMET YESEVI UNIVERSITY (DISTANCE LEARNING) <p>Taught Concept of Programming Languages and supervised Senior Projects to graduate and undergraduate students at Faculty of Distance Learning. http://www.yesevi.net/</p>
APR. 2016, APR. 2015, NOV. 2013	TEACHING SCHOLAR <p>A scholar visit to assist with teaching and supervision of the students on to Erasmus Mundus MSc in Dependable Software Systems programme at National University of Ireland, Maynooth at Computer Science Dept.; the modules of CS629 Directed Reading and CS645 Projects, and gave seminars on software maintenance and evaluation (2016 and 2015), and software measurement (2013).</p>
OCT. 2013 – OCT. 2014	SOFTWARE CONSULTANT <p>To give advice and support, and to train the project team members with the issues related to the software project of New-Generation City Solutions (PROKENT) (project number: 7130563) that sponsored by the Scientific and Technological Research Council of Turkey (TUBITAK), 1507-R&D Funding Program for Probel Ltd. (http://www.probel.com.tr/).</p>
APR. 2014 AND APR. 2013	VISITING SCHOLAR <p>Participated to the ERASMUS LLP Exchange Program as part of studies at the Hochschule Fulda – Univ. of Applied Sciences, Germany; Software maintenance and software measurement. (2014).</p> <p>Participated to the ERASMUS LLP Exchange Program as part of studies at the National Univ. of Ireland, Maynooth at Computer Science Dept.; Software maintenance and measurement. (2013).</p>
JAN. 2010	TUTOR <p>EU Leonardo da Vinci Program</p> <p>B2B projects aims at developing the B2B operational skills of SME owners and/or employees through an e-learning platform, so that they can enlarge their businesses, gain more customers, save time and money. Vocational Certified Training on Business to Business Operation, http://www.adam-europe.eu/adam/project/view.htm?prj=7574.</p>
2009 - 2010	TUTOR <p>EU Grundtvig Project</p> <p>Lifelong Learning Programme, EMODE: Engage trainers in learning MODules and matERial creation (http://www.emode-net.eu/). Together with Izmir University of Economics and KEK İNE GSEE participate in the GRUNDTVIG project titled: “Engage Trainers in Learning Modules and Material Creation – E MODE”.</p>

2003 - 2007

LOCAL SHORT-TERM EXPERT

EU Turkey Business Centers (ABIGEM), <http://www.abigem.org>

Expert in the area of SMEs internet and web training services.

- Completed “E-Business and E-Commerce Diagnosis and Performance Improvement Report” to an International Chemical Company in Izmir (Petrofer, <http://www.petrofer.com.tr>), November 2005.
- Completed “Logistics Information Systems and E-commerce Applications” seminar as a subset of Foreign Trade and Supply Management seminars line at April 2005 and “E-commerce and Internet Marketing” seminars at June 2004.

INDUSTRY EXPERIENCE

1990-2003

MANAGER IN IT BUSINESS AT SEVERAL IT COMPANIES IN TURKEY

IT and e-business consultant, Sales and Marketing Manager (regional, value add reseller, international companies), Microsoft CTEC based training company and Sylvan Prometric Testing Center manager.

Managed 4-10 person.

Organized programs by IBM, HP, Microsoft, Compaq

1982-1990

COMPUTER PROGRAMMER AND SYSTEM ANALYST AT SEVERAL SOFTWARE COMPANIES IN TURKEY

System Analyst and Programmer: Worked programmer and system analyst. Designed, developed, coded and implemented: Stock Control, General Ledger, Accounts Receivable, Construction Cost Analysis, Municipality Applications, Bill of Loading, Question Bank, Credit Control, Health Care as using Basic, dBase and Cobol run on PC systems.

Computer Corporation of America (CCA) Database Product Coordinator: Coordinated to relationships between US based high technology database company, the prospects and the company. Worked in UK for learning their products.

McCormack & Dodge (M&D) Customization Team Member, CAD/CAM Support Manager

Education and training

2006 - 2009

PH.D.

Thesis: The Measuring of the Software Maintainability Subcharacteristics by Utilizing ISO-based Models.

Trakya University, Graduate School of Natural and Applied Sciences, Computer Engineering.

Supervisor: Prof. Dr. Saban Eren

2003 - 2005

M.Sc.

Thesis: Developing Electronic Business Strategy and to Take Advantages of Information Systems

Ege University, Institute of Natural Sciences, Computer Engineering.

Supervisor: Prof. Dr. Saban Eren

1978 - 1983

B.Sc.

Dokuz Eylul University, Faculty of Engineering, Dept. of Geophysical Engineering.

1975 - 1978

HIGH SCHOOL DIPLOMA

Izmir Atatürk High School, Science and mathematics field

Grants, Awards and Other Honours

2016	EU Erasmus Mundus, National University Ireland Maynooth, Teaching Scholarship fund: €2.400
2015	TUBITAK, 3001-Starting R&D Projects Funding Program, Researcher grant: €22.500 (for project)
2015	EU Erasmus Mundus, National University Ireland Maynooth, Teaching Scholarship fund: €3.750
2014	EU Erasmus LLP, Hochschule Fulda – Univ. of Applied Sciences, Dept. of Computer Science, Visiting Scholarship fund: €1.000
2013	EU Erasmus Mundus, National University Ireland Maynooth, Teaching Scholarship fund: €2.400
2013	EU Erasmus LLP, National University Ireland Maynooth, Visiting Scholarship fund: €1.000
2013	IUE, 14th European Conference on Knowledge Management, Conference Grant: \$1.500
2010	IUE, The 14th WSEAS International Conference on COMPUTERS, Conference Grant: \$1.500
2009	IUE, XXIII. microCAD, International Scientific Conference, Conference Grant: \$1.500
2007	IEU, International Conference on Security of Information and Networks, Conference Grant: \$1.500
2006	IUE, 5th World Business Congress, Conference Grant: \$1.500

Personal skills and competences

Mother tongue(s)
Other language(s)
Self-assessment
European level

Turkish

English

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
C1	C1	C1	C1	C1	C1	C1	C1

Linguistic experience(s)

Description	From	To
Izmir University of Economics - lecturing in English	2003	present
Teaching scholar – National University of Ireland, Maynooth	2013	2016
One year temporary work as community services volunteer in London	1987	1988

Social skills and competences

Teamwork, interpersonal skills, communication, responsibility, intercultural skills, conflict management.

Organisational skills and competences

Systemic thinking, problem identification, problem solving, research and development project evaluation, planning skills, resources management, and time management.

Technical skills and competences

Course technologies: Moodle, Blackboard teaching software and Panopto lecture recordings.

Artistic skills and competences

Music and oil painting

Publications

REFEREED JOURNAL PAPER

- [J6] U.Celikkan and K.KURTEL. "Application of Service-Oriented Context-Aware Architecture to Laundry Management System", Studies in Informatics and Control , Vol. 26(2), 2017, pp:193-202.
- [J5] Unluturk M.S., KURTEL K. "Quantifying Productivity of Individual Software Programmers: A Practical Approach". Computing and Informatics, 2015, (34) 4, 959-972.
- [J4] KURTEL K., Ozemre M. "Cohesive software measurement planning framework using ISO standards: A case study from logistics service sector", Jrnl.of Software Evolution: Research and Practice, John Wiley & Sons, Ltd. 2013.

BOOK CHAPTERS

- [J3] Unluturk M.S., KURTEL K. "Integration of RFID and Web Service for Assisted Living", *Jrnl. of Medical Systems*, 2012, (36) 4, 2371-2377.
- [J2] KURTEL K., Eren S. "Quality Requirements for Software Architecture: Software Reliability", Turkish Informatics Foundation, *Jrnl. of Computer Science and Engineering*, 2011, (4) 75-84.
- [J1] KURTEL K. "Future of Web: Semantic Web", Ege University Faculty of Economics and Administrative Sciences, *Ege Academic Review*, Jan. 2008, (8) 1, 207-215.
- [B3] Unluturk M.S., KURTEL K. "Information and Communication Technologies Enabled Assisted Living: An Integration of RFID and Web Service", in Naveen Chilamkurti (Ed.), *Health Informatics: An adaptive Communication Technology for future Healthcare*. Nova Publ., 2012.
- [B2] Atik D. and KURTEL K. "Satış ve Pazarlama (Marketing and Sales)", in Huriye Kubilay (Ed.) *Sigortacılık Eğitim Kitabı (Insurance Training Textbook)*. 2012. 406-424.
- [B1] Unluturk M.S., KURTEL K. "Information Systems in the Internet Age", in Cengiz Demir (Ed.), *Contemporary Issues in Management and Organizations: Principles and Implications*. 2010. 207-227, ISBN: 978-605-4301-62-1.

REFEREED CONFERENCE PAPERS

- [C23] Uzunbayır S., KURTEL K. "An Analysis on Mutation Testing Tools For C# Programming Language", *IEEE 2019 4th International Conference on Computer Science and Engineering*. 2019, pp. 439-443.
- [C22] KURTEL K., Eren S. "Software Evolution or Software Enhancement?" *IEEE / 3rd International Conference on Computer Science and Engineering Software*, 2018, pp: 390-395.
- [C21] Uzunbayır S., KURTEL K. "A Review of Source Code Management Tools for Continuous Software Development", *IEEE / 3rd Int. Conf. on Computer Science and Eng. Software*. 2018, 414-419.
- [C20] Celikkan U., KURTEL K. "A message broker based architecture for context aware IoT application development", *IEEE Xplore / 2017 Inter. Conf. on Com. Science and Eng.*, 2017, 233-238.
- [C19] Celikkan U., KURTEL K. "A Platform for Context-Aware Application Development: PCAD", *Pro. of the 2015 Federated Conf. on Comp. Science and Information Systems*, 2015, 13-16.
- [C18] Yarıoğlu B., KURTEL K., Celikkan U., "Sensor-Based Veterinary Diagnostic System: VET-DEY", *Turkish National Software Engineering Symposium 2015*, Izmir, Turkey, Sep. 13-16, 2015.
- [C17] KURTEL K. "Measuring and Monitoring Software Maintenance: An Industrial Experience", *23rd International Workshop on Software Measurement (IWSM) and the 8th International Conference on Software Process and Product Measurement (Mensura)*, Ankara, Turkey, October 23-25, 2013, *IEEE Computer Society Digital Library (CSDL)*, and *IEEE Xplore*, *IEEE Computer Society Order Number P5078*, ISBN: 978-0-7695-5078-7, 247-253.
- [C16] Celikkan U., KURTEL K. "Application of Service-Oriented Context-Aware Architecture to Laundry Management System". *Proc. of the 14th European Conf. on Knowledge Management (ECKM) Vols. 1 and 2*. Location: Kaunas Univ Technol, Kaunas, Lithuania. Sep. 2013, 159-166.
- [C15] Unluturk M.S., KURTEL K., Ozturk S. "RFID-based in-home patient monitoring system", *VI. Istanbul Informatics Congress, Smart Cities*, Eds. Alniak O.M., et al., 2012, Istanbul. 158-166.
- [C14] Unluturk M.S., Atay C., KURTEL K. "Software Watchdog Application for Nurse Call Systems Reliability". *Software Quality and Development Tools Symposium*, 2010, Istanbul. 193-199.
- [C13] Unluturk M.S., KURTEL K. "Adaptive Business Device Integration Architecture: Event Manager". *International Conference of Applied Computer Science*, Malta, Sept. 15-17, 2010. 78-82.
- [C12] Unluturk M.S., KURTEL K. "An Extension to Existing Nurse Call Systems: Event Manager Server". *Int. Conference of Applied Computer Science*, Malta, Sep. 15-17, 2010, 83-88.
- [C11] Unluturk M.S., KURTEL K., Atay C. "Host Frame User Interface and Its Architecture". *The 14th WSEAS Int. Conf. on COMPUTERS*, Corfu Island, Greece, July 23-25, 2010, 95-102.
- [C10] KURTEL K. "An investigating of the responsibilities and duties of software maintenance personnel". *4. National Software Engineering Symposium (UYMS'09)*, 2009, Istanbul., 227-231.
- [C9] KURTEL K., Eminagaoglu M., Eren S. "Modeling Business Process Exceptions in UML 2 Notation". *XXIII. microCAD, Int. Scientific Conference*, 19-20 March 2009, Innovation and Technology Transfer Center University of Miskolc, Hungary, 67-74.
- [C8] KURTEL K., Eren S. "Software Measurement: Overview", *Software Quality and Development Tools Symposium 2008 (YKGS2008)*, 9-10 Oct. 2008, Istanbul. 107-112.
- [C7] KURTEL K. "Incentives for Business and Software Modeling Cooperation: Using UML Activity Diagram", *Int. Annual Proceedings ICTE in Regional Development*. ISBN 9984-633-09-8, Valmiera: Vidzeme Univ. College, Sociotechnical systems engineering institute, 2007. 37-42.

TUTORIAL
MAGAZINE / JOURNAL

- [C6] KURTEL K. "Information Security Policy: Positioning the Technological Components of Information Security Services Under the Perspective of Electronic Business", Int. Conf. on Security of Information and Networks (SIN2007), May 8-10, 2007, Gazimagusa, TRNC, Trafford Publishing.
- [C5] Atay S., KURTEL K., Eren S., Koltuksuz A. "Security Issues of the Supply Chain Management with Web-Services", Fifteenth World Business Congress, Int. Man. Development Association, 18-21 June 2006, Sarajevo, Bosnia&Herzegovina.
- [C4] KURTEL K., Tekir S., Atay S. "Security Requirements of Logistic Centers, XML, and Digital Signature", National E-Signature Symposium, 07-08 Dec. 2006, Ankara. 116-122.
- [C3] KURTEL K., Atay S., Tuncay A. "Information Technologies for Contemporary Logistics Centers", 4th International Logistics and Supply Chain Congress, 2006, Izmir. 616-622.
- [C2] KURTEL K., Eren S. "Integration Process in e-Business", International Informatics Congress, BILTEK2005, 10-12 June 2005, Eskisehir, Turkey.
- [C1] KURTEL, K., Eren S. "Developing a Winning E-commerce Strategy", TDB 21. National IT Congress, 4-6 Oct. 2004, Ankara. 333-343

[T1] Atay S., Tuncay A., KURTEL K. "Information Systems of Logistics Center". 4th International Logistics and Supply Chain Congress, Dec. 2006, Izmir.

[M2] KURTEL K. "Public Procurement Law and Software Maintenance". Informatics Magazine, TBD-Informatics Association of Turkey, July 2014. 147 104-109.

[M1] KURTEL K. "CRM-ERP Integration". CRMPRO Magazine, June-July 2005, 13, 60-61.

PATENTS

[P2] Near field communication (NFC)-based animal passport system has NFC tag in which data information and time stamp can be updated, Patent Number: TR201600471-A. Patent Assignee: CELIKKAN U; DEMIRKAN E; KURTEL K; YANIGLI B. 21 Sep 2016.

[P1] NFC electronic tag for use on ear of animal e.g. sheep, has protective cover fixed with label carrier and multiple slots, and earring stud body passing through ring and pointed end of earring nail tip protector. Patent Number: TR201517530-A. Patent Assignee: KURTEL K; DEMIRKAN E; CELIKKAN U; YANIGLI B. 21 Sep 2016.

Educational
Activities

In the Classroom

At the Izmir University of Economics (2003-):
200+ courses and 4.000+ students.

The main courses offered: SE105 Introduction to Software Engineering, SE318 Software Verification and Validation, SE305 Software Specification and Design, SE470 Software Maintenance, SE315 Software Project Management, SE460 Software Measurement, CS307 Concepts of Object Oriented-Programming, SE482 E-Business, IES505 Modeling the Real Time Systems with UML.

Distance Learning

At the Ahmet Yesevi University, Ankara-Bishkek (2008-2015)
Concept of Programming Languages and Senior Projects for graduate and undergraduate students.

At the Maltepe University, Istanbul (2009)
Presentation techniques for vocational school.

Ph.D. Student

Serhat Uzunbayır, "Mutation Testing Techniques, Applications, and Tools", 2017-cont.

M.Sc. Students

Görkem Hondoroğlu, Thesis title: "Benefits of Continuous Maintenance in Agile Software Development: A Case Study", 2019-2020.

Atkut Güner, Thesis title: "A Message Broker Based Platforms as a Service Infrastructure for Context-Aware Application Development", 2018-2019.

Orkut Karaçalık, Thesis title: "An Actor Model Based Platform for Developing Context-Aware Applications", 2018-2019.

Ezgi Deniz, Thesis title: "Risk Analysis and Assessment of Occupational Health and Safety in the Mechanical Laboratory of İzmir University of Economics", 2018-2019.