

Asst. Prof. Yunus Emre SELÇUK

Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2000 - 2006

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği, Turkey 1997 - 2000

Under Graduate, Yıldız Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Bilimleri Mühendisliği, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Quality Management, ISO 9001:2015 Kalite Yönetim Sistemi İç Denetçi Eğitimi, Smartek Eğitim Danışmanlık, 2018
IT, Building Applications with Microservices, Docker and SpringBoot, Eteration, 2017

Dissertations

Doctorate, Nesneye Yönelik Programlamaya Rol Desteğinin Kazandırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Bölümü, 2006

Post Graduate, Bir Dağıtılmış Ortak Bellek Sisteminin Gerçeklenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Bölümü, 2000

Research Areas

Computer Sciences, Software, Software Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fak., Bilgisayar Müh. Böl., 2018 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fak., Bilgisayar Müh. Böl., 2007 - 2018

Professional Experience

Member of ADEK Commission, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fak., Bilgisayar Müh. Böl., 2010 - Continues
Deputy Head of Department, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fak., Bilgisayar Müh. Böl., 2008 - 2011

Courses

Nesneye Dayalı Kavramlar, Under Graduate, 2017 - 2018
Nesneye Dayalı Kavramlar ve Programlama, Post Graduate, 2017 - 2018
Nesneye Dayalı Tasarım ve Modelleme, Post Graduate, 2016 - 2017
Yazılım Mühendisliği Temelleri, Post Graduate, 2016 - 2017
Yazılı ve Sözlü Sunum Becerileri, Under Graduate, 2016 - 2017
Yazılım Mühendisliği, Under Graduate, 2016 - 2017
Nesneye Dayalı Programlama, Under Graduate, 2016 - 2017
Bilgisayar Bilimlerine Giriş 1, Under Graduate, 2015 - 2016

Advising Theses

SELÇUK Y. E. , Bulut Ortamında Kullanıcı Verilerini Yazma ve Okuma Amaçlı Yük Dengeleme Yaklaşımları ve Bir Çözüm Önerisi, Post Graduate, N.Kılıç(Student), 2018
SELÇUK Y. E. , Automated and Metric-Based Detection of Code Smells and Antipatterns, Post Graduate, S.Raad(Student), 2018
SELÇUK Y. E. , Automatic Detection of Code Causing Negative Effects on Software Quality, Post Graduate, B.Mohammed(Student), 2017
SELÇUK Y. E. , Yazılım Projelerinde Kaliteyi Düşüren Kodların Bulunması, Post Graduate, S.Taniş(Student), 2016
SELÇUK Y. E. , Nesne Yönelimli Yazılımlarda Karşıt Kalıpların Belirlenmesi, Post Graduate, T.Aras(Student), 2016
SELÇUK Y. E. , Yazılım Projelerinde Çaba Kestirimi İçin Yeni Bir Yaklaşım, Post Graduate, U.Kemal(Student), 2015
SELÇUK Y. E. , Rol Modellerinde Bağlam Kullanımı, Post Graduate, M.Pekmezci(Student), 2012
SELÇUK Y. E. , OSGİ'da Uygulama Modeli Tanımlaması, Post Graduate, İ.Rıza(Student), 2011
SELÇUK Y. E. , Rol Modellerinde Kural Motorlarının Kullanılması, Post Graduate, Ö.Güler(Student), 2011
SELÇUK Y. E. , Ontolojilerin Otomatik Olarak Oluşturulması ve Birleştirilmesi, Post Graduate, A.Alperen(Student), 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Role models-implementation-based approaches to using roles**
SELÇUK Y. E. , Erdogan N.
SOFTWARE-PRACTICE & EXPERIENCE, vol.41, pp.1-22, 2011 (Journal Indexed in SCI)
- II. **A role model for description of agent behavior and coordination**
SELÇUK Y. E. , Erdoğan N.
ENGINEERING SOCIETIES IN THE AGENTS WORLD VI, vol.3963, pp.29-48, 2006 (Journal Indexed in SCI)
- III. **A distributed execution environment for shared Java objects**
Erdogan N., Selcuk Y., Sahingoz O.
INFORMATION AND SOFTWARE TECHNOLOGY, vol.46, pp.445-455, 2004 (Journal Indexed in SCI)
- IV. **JAWIRO: enhancing Java with roles**
SELÇUK Y. E. , Erdoğan N.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2004, PROCEEDINGS, vol.3280, pp.927-934, 2004 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Automation of RESTful Services Using Reverse Engineering and Code Generation**
Selçuk Y. E.
6th Int'l Symp on Engineering, Artificial Intelligence and Applications (ISEAIA 2019), Girne, Cyprus (Kkct), 6 - 08 March 2019, pp.43-49
- II. **Utilization of Open Distributed Tracing Standards for Exploratory Testing and Visualization of Microservices**
Selçuk Y. E.
6th Int'l Symp on Engineering, Artificial Intelligence and Applications (ISEAIA 2019), Girne, Cyprus (Kkct), 6 - 08 March 2019, pp.35-42
- III. **Detection of the Brain Class Code Smell Through Software Metrics**
Selçuk Y. E.
6th Int'l. Symp. on Engineering, Artificial Intelligence and Applications (ISEAIA 2019), Girne, Cyprus (Kkct), 6 - 08 March 2019, pp.26-34
- IV. **Metric Based Detection of Refused Bequest Code Smell**
SELÇUK Y. E. , Merzah B. M.
Proc. 9th Int'l. Conf. on Computational Intelligence and Communication Networks (CICN 2017), Girne, Cyprus (Kkct), 16 September 2017, pp.53-57
- V. **Policy enforcement upon software based on microservice architecture**
Aşık T., SELÇUK Y. E.
Software Engineering Research, Management and Applications (SERA), 2017 IEEE 15th International Conference on, Londra, United Kingdom, 07 June 2017, pp.283-287
- VI. **An automated code smell and anti-pattern detection approach**
Velioğlu S., SELÇUK Y. E.
Software Engineering Research, Management and Applications (SERA), 2017 IEEE 15th International Conference on, Londra, United Kingdom, 07 June 2017, pp.271-275
- VII. **An Investigation of Code Cycles and Poltergeist Anti-pattern**
Al-Rubaye S. R. A. , SELÇUK Y. E.
8th IEEE International Conference on Software Engineering and Service Science (ICSESS), Beijing, China, 24 - 26 November 2017, pp.139-140
- VIII. **Metric and Rule Based Automated Detection of Antipatterns in Object-Oriented Software Systems**
ARAS M. T. , SELÇUK Y. E.
7th International Conference on Computer Science and Information Technology (CSIT), Amman, Jordan, 13 - 14 July 2016
- IX. **Form Tabanlı Uygulamalar İçin Çaba Kestirimi**
Selçuk Y. E.
IX. Ulusal Yazılım Müh. Semp. (UYMS 2015), İzmir, Turkey, 9 - 11 September 2015, pp.812-821
- X. **Ontolojilerin Otomatik Olarak Eşleştirilmesi**
SELÇUK Y. E.
FEED 2011 Fırat Üniv. Elektrik-Elektronik Bilgisayar Semp., 01 October 2011
- XI. **Nesneye Yönelik Sistemler İçin Bir Uyum Ölçütü Önerisi: COMIAS**
SELÇUK Y. E. , Kalpsız O.
UYMS 2009 IV. Ulusal Yazılım Müh. Semp., 01 October 2009
- XII. **A Cohesion Metric Proposal for Object-Oriented Systems: COMIAS**
Selçuk Y. E. , Kalpsız O., Ertemel H. Ö.
13th WSEAS Intl. Conf. on Computers, Rodos, Greece, 22 - 25 July 2009, pp.575-580

Supported Projects

Selçuk Y. E. , Project Supported by Higher Education Institutions, Improving Quality Metrics for Object Oriented Software, 2008 - 2010

Scientific Refereeing

6th Int'l. Conf. on Control Engineering & Information Technology (CEIT 2018), Other journals, October 2018
Ulusal Yazılım Mühendisliği Sempozyumu 2018, Other Journals, September 2018
Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, March 2018
Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, January 2018
Ulusal Yazılım Mühendisliği Sempozyumu 2017, Other Journals, November 2017
Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, October 2017
Gazi University Journal of Science, National Scientific Refreed Journal, January 2017
Ulusal Yazılım Mühendisliği Sempozyumu 2016, Other Journals, October 2016
Gazi University Journal of Science, National Scientific Refreed Journal, May 2016
Ulusal Yazılım Mühendisliği Sempozyumu 2015, National Scientific Refreed Journal, June 2015
Gazi University Journal of Science, National Scientific Refreed Journal, January 2015
Gazi University Journal of Science, National Scientific Refreed Journal, May 2014
UYMS 2014: Ulusal Yazılım Mühendisliği Sempozyumu, National Scientific Refreed Journal, January 2014
ELECO 2014 Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, National Scientific Refreed Journal, January 2014
UYMS 2013: Ulusal Yazılım Mühendisliği Sempozyumu, National Scientific Refreed Journal, August 2013
ISCIM 2013: 2nd International Symposium on Computing in Informatics and Mathematics, SCI Journal, July 2013
TJEECS: Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, December 2012
Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, December 2012
ELECO 2012: Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, National Scientific Refreed Journal, November 2012
INISTA 2012: Innovations in Intelligent Systems and Applications, SCI Journal, July 2012
Turkish Journal of Electrical Engineering & Computer Sciences, National Scientific Refreed Journal, April 2012
UYMS 2012: Ulusal Yazılım Mühendisliği Sempozyumu, National Scientific Refreed Journal, April 2012
UYMS 2011: Ulusal Yazılım Mühendisliği Sempozyumu, National Scientific Refreed Journal, August 2011
Gazi University Journal of Science, National Scientific Refreed Journal, April 2011
YKGS 2010: 2nci Yazılım Kalitesi ve Yazılım Geliştirme Araçları Sempozyumu, National Scientific Refreed Journal, December 2010

Citations

Total Citations (WOS):7

h-index (WOS):2