

Assoc. Prof. Gökhan İnce

Personal Information

Email: incegokh@itu.edu.tr

Web: <https://www.gokhanince.com>

Address: ITU Bilgisayar ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 34469, Maslak, İstanbul

International Researcher IDs

ScholarID: ffrlx5sAAAAJ

ORCID: 0000-0002-0034-030X

ScopusID: 56040248000

Yoksis Researcher ID: 40215

Education Information

Doctorate, Tokyo University, Mechanical And Environmental Informatics, Japan 2008 - 2011

Postgraduate, Technische Universitaet Darmstadt, Bilişim Ve Haberleşme Mühendisliği, Germany 2004 - 2007

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2000 - 2004

Foreign Languages

German, C1 Advanced

Japanese, A1 Beginner

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Teknoloji tabanlı başlangıç firmalarına özel iş geliştirme mentörlük eğitimi, Tübitak, 2016

Education Management and Planning, Girişimcilik eğitimi, TÜBİTAK, 2014

IT, C programlama kursu, C ve Sistem Programcıları Derneği, 2004

IT, Cisco Certified Network Associate, BT, 2003

Dissertations

Doctorate, Ego noise estimation for robot audition, Tokyo Institute Of Technology, Mechanical And Environmental Informatics, 2011

Postgraduate, Robot kafasının hareket gürültüsünün bastırılması , Technische Universitaet Darmstadt, Bilişim Ve Haberleşme Mühendisliği, 2007

Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Software

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2018 - Continues
Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2013 - 2018

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, 2015 - Continues
İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, 2014 - Continues
İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, 2013 - Continues

Courses

Computer Organization, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014
Logic Circuits Laboratory, Undergraduate, 2016 - 2017, 2015 - 2016
Innovation and Technology Management in Information Technologies, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Human Computer Interfaces, Postgraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014
Microprocessor Systems, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Linear Algebra, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Logic Circuits Lab., Undergraduate, 2014 - 2015
Microcomputer Lab., Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
Robot Technologies, Undergraduate, 2012 - 2013
Introduction to Information Systems, Undergraduate, 2012 - 2013
Human Computer Interfaces, Postgraduate, 2012 - 2013
Computer Organization, Undergraduate, 2012 - 2013

Advising Theses

İnce G., VISUAL VERIFICATION USING AUGMENTED REALITY IN COCKPIT DISPLAY SYSTEMS, Postgraduate, C.POTUR(Student), 2024
Yıldız Özkan D., İnce G., AN ARCHITECTURAL RESEARCH FRAMEWORK FOR THE NEUROSCIENCE OF HUMAN EXPERIENCE, Doctorate, T.KARAKAŞ(Student), 2023
İnce G., Drone wars 3D: an interactive simulator for drone swarms, Postgraduate, G.KARADENİZ(Student), 2023
İnce G., Auditory detection of clips failures in manufacturing, Postgraduate, S.SÜER(Student), 2023
İnce G., ENHANCEMENT OF SITUATIONAL AWARENESS IN PHYSICAL SECURITY USING MIXED REALITY, Postgraduate, N.YİĞİT(Student), 2023
Yıldız Özkan D., İnce G., The impact of minimalist versus maximalist interior space on human short-term memory, Postgraduate, S.MUSTAFA(Student), 2022
İnce G., GEOGRAPHIC INFORMATION SYSTEMS BASED TACTICAL DATA MANAGEMENT WITH MIXED REALITY FOR REGIONAL SECURITY SYSTEMS, Postgraduate, F.KESKİN(Student), 2022
İnce G., AUTOMATED VISUAL VERIFICATION OF PRIMARY FLIGHT DISPLAYS, Postgraduate, M.ONUR(Student), 2022
İnce G., Lifelong learning for auditory scene analysis, Doctorate, B.BAYRAM(Student), 2022
İnce G., Energy demand forecasting in fog computing based microgrids using ensemble learning, Postgraduate, T.KESKİN(Student), 2021
İnce G., A digital twin framework for predictive maintenance, Postgraduate, M.FURKAN(Student), 2021
İnce G., Reduction of dental anxiety in children using virtual reality, Postgraduate, F.BETÜL(Student), 2021
İnce G., Mariot: an authoring framework for creating iot applications with mobile augmented reality, Postgraduate,

M.KUYUCU(Student), 2021

İnce G., Fabric based soft actuators for wearable applications, Postgraduate, F.KHALILBAYLI(Student), 2021

İnce G., CNN-based text-independent automatic speaker identification, Postgraduate, M.FASOUNAKI(Student), 2021

İnce G., Step length estimation using sensor fusion for indoor positioning, Postgraduate, H.SEVİNÇ(Student), 2020

İnce G., Argent: A web based augmented reality framework for dynamic content generation, Postgraduate, G.KURT(Student), 2020

İnce G., Diagnophone: An electronic stethoscope for respiratory audio analysis, Postgraduate, E.YAĞ(Student), 2019

İnce G., Ses terapisi için çoklu kipli destek sistemi, Postgraduate, H.CAN(Student), 2019

İnce G., İnsan hareketi izleme teknolojilerinin karşılaştırmalı değerlendirmesi, Postgraduate, C.FATİH(Student), 2019

İnce G., Acoustic anomaly detection in industrial plants, Postgraduate, T.BERKAY(Student), 2019

İnce G., Clustering analysis of young isolated neutron stars on $p - \dot{p}$ space, Postgraduate, F.AY(Student), 2019

İnce G., Sound morphing using auditory p300 based attentional brain-computer musical interface, Postgraduate, U.CAN(Student), 2018

İnce G., Spor salonundaki aletlerin kapasite tahminlemesi için bir uygulama çerçevesi, Postgraduate, O.ÇAYLI(Student), 2018

İnce G., Data association for object tracking in a shape-based sensory substitution system, Postgraduate, H.POURGHAEMI(Student), 2018

İnce G., Textile based sensing system for leg motion monitoring, Postgraduate, K.ÖZLEM(Student), 2018

İnce G., Audio visual attention for robots from a developmental perspective, Postgraduate, N.AL(Student), 2018

İnce G., Automatic posture evaluation for professional voice users, Postgraduate, Ç.DEMİREL(Student), 2018

İnce G., Mobil cihazlar için aktivite tanıma tabanlı adaptif kullanıcı arayüzü, Postgraduate, Ö.YURDAKURBAN(Student), 2018

İnce G., A blockchain-based framework for customer loyalty programs, Postgraduate, Ş.BÜLBÜL(Student), 2018

İnce G., Automatic Audio Based Media Monitoring, Postgraduate, S.Sarıca(Student), 2017

İnce G., A Distributed Human Identification System for Indoor Environments, Postgraduate, E.Aslan(Student), 2017

İnce G., Virtual and Augmented Reality Based Interfaces for Choreography Generation, Postgraduate, T.Joseph(Student), 2017

İnce G., Real-Time Emotion Recognition from EEG Signals using One Electrode Device, Postgraduate, M.Ali(Student), 2017

İnce G., The effect of visual and text interfaces in teaching robot programming, Postgraduate, B.BARANSEL(Student), 2017

İnce G., Ses tabanlı otomatik medya takibi, Postgraduate, S.SARICA(Student), 2017

İnce G., Reduction of Dental Anxiety and Pain in Children using Robots, Postgraduate, M.Yasemin(Student), 2016

İnce G., Reduction of dental anxiety and stress in children using a social robotic companion, Postgraduate, M.YASEMİN(Student), 2016

İnce G., A distributed human identification system for indoor environments, Postgraduate, E.SERCAN(Student), 2016

İnce G., İç mekan servisleri için etkin bir beacon donanımı, Postgraduate, B.SEKMEN(Student), 2016

İnce G., An Efficient Beacon Hardware for Indoor Location Services, Postgraduate, B.Sekmen(Student), 2016

İnce G., Comparative Assessment of Mobile Navigation Applications using 2D Maps and Augmented Reality Interfaces, Postgraduate, M.Esengün(Student), 2016

İnce G., Active audio-visual human tracking for robots, Postgraduate, B.BAYRAM(Student), 2015

İnce G., Commercial Identification Using Audio Fingerprinting, Postgraduate, H.Çabuk(Student), 2015

İnce G., Sahne analizi için ses kaynağı tespiti, Postgraduate, İ.İREN(Student), 2015

İnce G., Sound Source Identification for Scene Analysis, Postgraduate, İ.İren(Student), 2015

İnce G., Active Audio-visual Tracking for Robots, Postgraduate, B.Bayram(Student), 2015

İnce G., Ses parmakizi kullanılarak reklam tanıma, Postgraduate, H.ÇABUK(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. Real-time Stride Length Estimation using Textile-Based Capacitive Soft Strain Sensors

Ayvaz U., Özlem K., Yılmaz A., Tunçay Atalay A., Atalay Ö., İnce G.

IEEE Transactions on Instrumentation and Measurement, vol.73, pp.1-11, 2024 (SCI-Expanded)

- II. **The impact of urban graffiti with facial expressions on human behavioral and emotional experiences in a VR environment**
Karakas T., Dumlu B. N., Sarıkaya M. A., Yıldız Özkan D., Demir Y., İnce G.
International Journal of Architectural Research: Archnet-IJAR, 2023 (AHCI)
- III. **Effect of Segment Types on Characterization of Soft Sensing Textile Actuators for Soft Wearable Robots**
Yılmaz A., Khalilbayli F., Özlem K., Elmoughni H. M. E. A., Kalaoğlu F., TUNÇAY ATALAY A., İnce G., Atalay Ö.
Biomimetics, vol.7, no.4, 2022 (SCI-Expanded)
- IV. **Usability Evaluation of TV Interfaces: Subjective Evaluation Vs. Objective Evaluation**
Altın Gümüşsoy Ç., Pekpazar A., Esengün M., Bayraktaroğlu A. E., İnce G.
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION, vol.38, no.7, pp.661-679, 2022 (SCI-Expanded)
- V. **Development of an augmented reality-based process management system: The case of a natural gas power plant**
Esengün M., Üstündağ A., İnce G.
IISE TRANSACTIONS, vol.55, no.2, pp.201-216, 2022 (SCI-Expanded)
- VI. **An audiovisual interface-based drumming system for multimodal human-robot interaction**
İnce G., Yorganci R., Ozkul A., Duman T. B., Köse H.
JOURNAL ON MULTIMODAL USER INTERFACES, vol.15, no.4, pp.413-428, 2021 (SCI-Expanded)
- VII. **An Incremental Class-Learning Approach with Acoustic Novelty Detection for Acoustic Event Recognition**
Bayram B., İnce G.
SENSORS, vol.21, no.19, 2021 (SCI-Expanded)
- VIII. **Machine-Knitted Seamless Pneumatic Actuators for Soft Robotics: Design, Fabrication, and Characterization**
Elmoughni H. M. E. A., Yılmaz A. F., Özlem K., Khalilbayli F., Cappello L., Atalay A. T., İnce G., Atalay Ö.
ACTUATORS, vol.10, no.5, 2021 (SCI-Expanded)
- IX. **Real time detection of acoustic anomalies in industrial processes using sequential autoencoders**
Bayram B., Duman T. B., İnce G.
EXPERT SYSTEMS, vol.38, no.1, 2021 (SCI-Expanded)
- X. **Robotic approach to the reduction of dental anxiety in children**
Kasimoglu Y., Kocaaydin S., Karsli E., Esen M., Bektas I., İnce G., Tuna E. B.
ACTA ODONTOLOGICA SCANDINAVICA, vol.78, no.6, pp.474-480, 2020 (SCI-Expanded)
- XI. **Classification of pulsars with Dirichlet process Gaussian mixture model**
Ay F., İnce G., Kamaşak M. E., Ekşi K. Y.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.493, no.1, pp.713-722, 2020 (SCI-Expanded)
- XII. **A novel interface for generating choreography based on augmented reality**
Dube T. J., İnce G.
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES, vol.132, pp.12-24, 2019 (SCI-Expanded)
- XIII. **Beat Tracking for Interactive Dancing Robots**
Oliveira J. L., İnce G., NAKAMURA K., NAKADAI K., OKUNO H. G., GOUYON F., REIS L. P.
INTERNATIONAL JOURNAL OF HUMANOID ROBOTICS, vol.12, no.4, 2015 (SCI-Expanded)
- XIV. **The Effect of Embodiment in Sign Language Tutoring with Assistive Humanoid Robots**
Kose H., ULUER P., AKALIN N., YORGANCI R., OZKUL A., INCE G.
INTERNATIONAL JOURNAL OF SOCIAL ROBOTICS, vol.7, no.4, pp.537-548, 2015 (SCI-Expanded)
- XV. **Ego noise cancellation of a robot using missing feature masks**
Ince G., NAKADAI K., RODEMANN T., TSUJINO H., IMURA J.
APPLIED INTELLIGENCE, vol.34, no.3, pp.360-371, 2011 (SCI-Expanded)
- XVI. **Whole Body Motion Noise Cancellation of a Robot for Improved Automatic Speech Recognition**
Ince G., NAKADAI K., RODEMANN T., Tsujino H., IMURA J.
ADVANCED ROBOTICS, vol.25, pp.1405-1426, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Impact of a Humanoid Robot on Children's Dental Anxiety, Behavior and Salivary Amylase Levels: A Randomized Clinical Trial**
KASIMOĞLU Y., Kocaaydin S., BATU Ş., İNCE G., TUNA İNCE E. B.
The Journal of Pediatric Research, vol.10, no.2, pp.132-141, 2023 (Peer-Reviewed Journal)
- II. **Multimodal Failure Detection in Robot-Object Interaction**
Inceoglu A., Ince G., Yaslan Y., Sariel S.
Zeki sistemler teori ve uygulamaları dergisi (Online), vol.6, no.1, pp.59-66, 2023 (Peer-Reviewed Journal)
- III. **Highly Stretchable Textile Knitted Interdigital Sensor for Wearable Technology Applications**
Yılmaz A. f., Adel Khamis Ahmed i., gümüş Ç., ÖZLEM K., ÇETİN M. S., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
advanced sensor research, 2023 (Peer-Reviewed Journal)
- IV. **Textile-based pressure sensor arrays: A novel scalable manufacturing technique**
Gumus C., Özlem K., Khalilbayli F., Erzurumluoglu O. F., İnce G., Atalay Ö., TUNÇAY ATALAY A.
MICRO AND NANO ENGINEERING, vol.15, 2022 (ESCI)
- V. **A Comparative Assessment of Text-independent Automatic Speaker Identification Methods using Limited Data**
Fasounaki M., Yüce E. B., Öncül S., İNCE G.
Avrupa Bilim ve Teknoloji Dergisi, 2021 (Peer-Reviewed Journal)
- VI. **Gerçek Ortamlarda Artımlı Öğrenme ile Gerçek Zamanlı İşitsel Sahne Analizi**
BAYRAM B., İNCE G.
European Journal of Science and Technology, pp.215-226, 2020 (Peer-Reviewed Journal)
- VII. **ARgent: Web Tabanlı Dinamik İçerik Destekli Artırılmış Gerçeklik Geliştirme Altyapısı**
Kurt G., İNCE G.
European Journal of Science and Technology, pp.244-257, 2020 (Peer-Reviewed Journal)
- VIII. **Nanomaterials and Nanorobotics in Dentistry: A Review**
KASIMOĞLU Y., Tabakçılar D., Guclu Z., Yamamoto Nemoto S., TUNA İNCE E. B., ÖZEN B., TÜZÜNER T., İNCE G.
Journal of Dentistry Indonesia, vol.27, no.2, pp.77-84, 2020 (ESCI)
- IX. **A Drumming Based Multimodal Mobile Game Interface**
Özkul A., KÖSE H., Yorgancı R., İNCE G.
International Journal of Intelligent Systems and Applications in Engineering, vol.8, no.1, pp.6-10, 2020 (Scopus)
- X. **Advances in Robotics in the Era of Industry 4.0**
Bayram B., İnce G.
INDUSTRY 4.0: MANAGING THE DIGITAL TRANSFORMATION, pp.187-200, 2018 (Peer-Reviewed Journal)
- XI. **The Role of Augmented Reality in the Age of Industry 4.0**
Esengün M., İnce G.
INDUSTRY 4.0: MANAGING THE DIGITAL TRANSFORMATION, pp.201-215, 2018 (Peer-Reviewed Journal)
- XII. **An Augmented Reality Interface for Choreography Generation**
Dube J. T., Kurt G., İNCE G.
Istanbul Journal of Innovation in Education, vol.3, no.1, pp.1-11, 2017 (Peer-Reviewed Journal)
- XIII. **iSign: An Architecture for Humanoid Assisted Sign Language Tutoring**
Köse H., Akalın N., Yorgancı R., Ertugrul B. S., Kıvrak H., Kavak S., Ozkul A., Gurpinar C., Uluer P., İnce G.
INTELLIGENT ASSISTIVE ROBOTS: RECENT ADVANCES IN ASSISTIVE ROBOTICS FOR EVERYDAY ACTIVITIES, vol.106, pp.157-184, 2015 (Scopus)
- XIV. **Intelligent Human Tracking Based on Multimodal Integration**
Nakamura K., nakadai k., Asano F., Nakajima H., İNCE G.
Transactions of the Society of Instrument and Control Engineers, vol.48, no.6, pp.349-358, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Textile Based Sensing System for Lower Limb Motion Monitoring**
ÖZLEM K., ATALAY Ö., TUNÇAY ATALAY A., İNCE G.
in: Converging Clinical and Engineering Research on Neurorehabilitation III, Lorenzo Masia, Silvestro Micera, Metin Akay, José L. Pons, Editor, Springer, Cham, pp.395-399, 2019
- II. **Advances in Robotics in the Era of Industry 4.0**
Bayram B., İNCE G.
in: Springer Series in Advanced Manufacturing - Industry 4.0: Managing The Digital Transformation, Ustundag, A., Cevikcan, E., Editor, Springer, pp.187-200, 2018
- III. **The Role of Augmented Reality in the Age of Industry 4.0**
ESENĞÜN M., İNCE G.
in: Springer Series in Advanced Manufacturing - Industry 4.0: Managing The Digital Transformation, Ustundag, A., Cevikcan, E., Editor, Springer, pp.201-215, 2018
- IV. **The Effect of the Programming Interfaces of Robots in Teaching Computer Languages**
Bağcı B., Kamaşak M., İnce G.
in: Springer Advances in Intelligent Systems and Computing Vol 630 - Robotics in Education (RIE), Lepuschitz, W., Merdan, M., Koppensteiner, G., Balogh, R., Obdržálek, D., Editor, Springer-Verlag, Berlin, pp.1-11, 2017
- V. **iSign: An Architecture for Humanoid Assisted Sign Language Tutoring**
KÖSE H., AKALIN N., Yorgancı R., Ertugrul B., KIVRAK H., kavak s., ozkul a., gurpınar c., ULUER P., İNCE G.
in: Springer Tracts in Advanced Robotics, S. Muhammed, J.C. Moreno, K. Kong, Y. Amirat (Eds.), Editor, Springer, pp.157-184, 2015
- VI. **Robust Ego Noise Suppression of a Robot**
İnce G., Nakadai K., Rodemann T., Tsujino H., IMURA J.
in: Trends in Applied Intelligent Systems, Nicolas Garcia-Pedrajas, Francisco Herrera, Colin Fyfe, Jose Manuel Benitez, and Moonis Ali, Editor, Springer-Verlag, Berlin, pp.62-71, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Pressure Monitoring for Scoliosis Braces using Textile-based Pressure Sensor Arrays**
Erzurumluoğlu Ö. F., ÖZLEM K., Tunç H., Gümüş Ç., Khalilbayli F., Büyükaslan A., Yılmaz H., TUNÇAY ATALAY A., ATALAY Ö., İNCE G.
International Conference on Health and Social Care Information Systems and Technologies, 01 January 2023
- II. **An Augmented Reality Environment for Testing Cockpit Display Systems**
Potur C., İNCE G.
International Conference on Computer-Human Interaction Research and Applications, 01 January 2023
- III. **Cash Flow Forecasting Based on Wavelet Transform and Neural Networks**
Soylen Z., Mammadova F., Fasounaki M., Ozmen A. I., İnce G.
8th International Conference on Computer Science and Engineering, UBMK 2023, Burdur, Turkey, 13 - 15 September 2023, pp.306-311
- IV. **Simulation of counter-UAV tactics against drone swarms: a serious game approach**
Karadeniz G., Ozcan A., Bayram M., İnce G.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023
- V. **Lifelong Learning of Acoustic Events for Robot Audition**
Bayram B., İnce G.
2023 IEEE/SICE International Symposium on System Integration, SII 2023, Georgia, United States Of America, 17 - 20 January 2023
- VI. **Detection of Clips Failures in Manufacturing using Audio Signals**
Suer S., Koseoglu I., Oner R., İnce G.

5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2023, İstanbul, Turkey, 8 - 10 June 2023

- VII. **A Novel Interface for Tactical Data Management in Geographic Information Systems using Mixed Reality**
KESKİN F., İNCE G.
International Conference on Computer Science and Engineering (UBMK 2022), 01 January 2022
- VIII. **Automated Visual Verification of Avionics Cockpit Displays**
Güngör M. O., İNCE G.
International Conference on Advances in Computer-Human Interactions (ACHI 2022), 01 January 2022
- IX. **A Mixed Reality Interface for Tactical Data Management in Geographic Information Systems**
Keskin F., İnce G.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.7-12
- X. **Predictive Maintenance Framework for Production Environments Using Digital Twin**
Süve M. F., Gezer C., İnce G.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.455-462
- XI. **Knitted Interdigital Capacitive Strain Sensor for Wearable Applications**
Yılmaz A. F., ÖZLEM K., ÇETİN M. S., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Association of Universities for Textiles Conference (AUTEX 2022), 01 January 2022
- XII. **An Ensemble Learning Approach for Energy Demand Forecasting in Microgrids Using Fog Computing**
Keskin T., İnce G.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.170-178
- XIII. **An Easily Configurable Customer Loyalty Framework Using Distributed Ledger Technologies**
Ünal A. E., İnce G., Ay K., Öztürk S., Gezer C.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.307, pp.767-774
- XIV. **Development of Stretchable Conductive Hybrid Yarn for Wearable Electronics Application**
Ahmed I., ÇETİN M. S., Yılmaz A. F., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Association of Universities for Textiles Conference (AUTEX 2022), 01 January 2022
- XV. **Gait Phase Recognition using Textile-based Sensor**
Pazar A., Khalilbayli F., Özlem K., Yılmaz F., TUNÇAY ATALAY A., Atalay Ö., İnce G.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.338-343
- XVI. **An Easily Configurable Customer Loyalty Analytics Framework using Distributed Ledger Technologies**
Ünal A. E., İNCE G., Öztürk S., Gezer C.
International Conference on the Intelligent and Fuzzy Systems (INFUS 2021), 24 - 26 August 2021
- XVII. **MARIoT: a Framework for Creating Customizable IoT Applications with Mobile Augmented Reality**
KUYUCU M., İNCE G.
International Conference on Advances in Computer-Human Interactions (ACHI), 18 - 20 July 2021
- XVIII. **A Textile-based, Sensorized Pneumatic Actuator for Soft-robotics Applications**
Arslan F., ÖZLEM K., Elmoughni H. M., Cappello L., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Association of Universities for Textiles Conference (AUTEX 2021), 1 - 03 January 2021
- XIX. **CNN-based Text-independent Automatic Speaker Identification using Short Utterances**
Fasounaki M., İNCE G.
International Conference on Computer Science and Engineering (UBMK 2021), 01 January 2021
- XX. **Reduction of Dental Anxiety and Pain in Children using Computer Technologies: A Review**
Alpayçetin E., TUNA İNCE E. B., KASIMOĞLU ELDEM Y., İNCE G.
International Congress of Turkish Society of Paediatric Dentistry, 01 January 2021

- XXI. **ECG Monitoring System Using Textile Electrodes**
Paket E., Özlem K., Elmoughni H., TUNÇAY ATALAY A., Atalay Ö., İnce G.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020
- XXII. **Step Length Estimation using Sensor Fusion**
Sevinç H., AYVAZ U., ÖZLEM K., Elmoughni H., TUNÇAY ATALAY A., ATALAY Ö., İNCE G.
IEEE International Conference on Flexible and Printable Sensors and Systems (FLEPS 2020), 1 - 04 January 2020
- XXIII. **A Novel Approach in High School Design Education using Virtual Reality**
Çelikten T., İNCE G.
PUDCAD Universal Design Education Practice Conference (PUDCAD 2020), 1 - 03 January 2020
- XXIV. **Virtual Reality Application for Relieving the Pain of Child Dental Patients**
Güreş B., İNCE G.
PUDCAD Universal Design Education Practice Conference (PUDCAD 2020), 1 - 03 January 2020
- XXV. **Real-time Human Activity Recognition using Textile-based Sensors**
AYVAZ U., Elmoughni H., TUNÇAY ATALAY A., ATALAY Ö., İNCE G.
15th EAI International Conference on Body Area Networks (BODYNETS 2020), 1 - 03 January 2020
- XXVI. **The Impact of Robotic Distraction Technique in Children**
KASIMOĞLU Y., Kocaaydın S., BATU Ş., İNCE G., TUNA İNCE E. B.
15th European Academy of Pediatric Dentistry Congress (EAPD 2020), 01 January 2020
- XXVII. **Acoustic Anomaly Detection Using Convolutional Autoencoders in Industrial Processes**
Duman T. B., Bayram B., İnce G.
14th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO), Sevilla, Spain, 13 - 15 May 2019, vol.950, pp.432-442
- XXVIII. **Comparative Assessment of Knee Motion Monitoring Technologies**
KUYUCU C. F., AYVAZ U., ÖZLEM K., ATALAY A., ATALAY Ö., İNCE G.
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019
- XXIX. **Security and Privacy Issues for E-textile Applications**
ÖZLEM K., Korkmaz Kuyucu M., BAHTİYAR Ş., İNCE G.
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019
- XXX. **Comparative Assessment of Pulsar Families using GMM and DPGMM**
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XXXVII. **A Multi-modal Support System for Voice Therapy**

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LXII. Online generation of tango choreography using tempo estimation

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- LXXIV. **Comparison of Mobile Navigation Applications in terms of User Experience**
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Üre N. K., Çakır M. A., Öğüdücü Ş., Ünal G., Eryiğit G., Tosun Kühn A., Oktuğ S. F., Kaya T., İnce G., Ovatman T., et al., Project Supported by Higher Education Institutions, Türkiye'nin Öncelikli Alanları İçin Yapay Zeka Teknolojileri Geliştirilmesi İçin Altyapı Oluşturma ve Ön Bilimsel Çalışmaları Başlatma, 2019 - 2022

İnce G., Project Supported by Higher Education Institutions, Türkiye'nin Öncelikli Alanları İçin Yapay Zeka Teknolojileri Geliştirilmesi İçin Altyapı Oluşturma ve Ön Bilimsel Çalışmaları Başlatma, 2019 - 2022

İnce G., Üstündağ A., Esengün M., Project Supported by Higher Education Institutions, Artırılmış Gerçeklik Tabanlı Etkileşim Yöntemlerinin Üretim Süreçlerine Etkileri, 2018 - 2022

İnce G., Project Supported by Other Private Institutions, Adaptif Stok Yönetimi Sağlayan Çoklu Pazaryeri Yönetim Platformu, 2019 - 2021

İnce G., H2020 Project, Giyilebilir Uygulamalar İçin Kumaş Bazlı Yumuşak Aktüatörler, 2019 - 2021

İnce G., H2020 Project, Textile based Soft Sensing Actuators for Soft Robotic Applications (TexRobots), 2019 - 2021

İnce G., Özpolat A., Çayırağası F., Durhan G. G., Karahan M., Project Supported by Other Private Institutions, Perakende Satış Platformu, 2020 - 2020

İnce G., Project Supported by Other Private Institutions, Yapay Zeka ile Konuşmacı Tanıma ve Ses Analizi, 2019 - 2020

İnce G., Project Supported by Other Private Institutions, Taşımacı Davranışı Analizi, 2019 - 2020

İnce G., Project Supported by Other Private Institutions, Beton Santrallerinde Montaj, Demontaj ve Yedek Parça Süreçlerini İyileştiren Artırılmış Gerçeklik Uygulaması Geliştirilmesi, 2019 - 2020

İnce G., Project Supported by Other Private Institutions, Bara Sistemi Kesici Manevraları, 2019 - 2020

İnce G., Project Supported by Other Official Institutions, Görsel Programlama Arayüzü ve Dağıtık Kayıt Teknolojisi İle Donatılmış Müşteri Sadakati Yönetim Sistemi Tasarımı, 2019 - 2020

İnce G., Project Supported by Other Official Institutions, Üretimde Artırılmış Gerçeklik Tabanlı Akıllı İş Süreçleri Yönetim Sistemi, 2018 - 2020

İnce G., Project Supported by Other Private Institutions, Teslimat Yönetim Sistemi, 2019 - 2019

İnce G., Project Supported by Other Private Institutions, Açık Adresten Konum Tespiti, 2018 - 2019

İnce G., Project Supported by Other Private Institutions, Yapay Zeka Tabanlı Tekil Katalog Geliştirme, 2018 - 2019

İnce G., Project Supported by Other Official Institutions, İTÜ Geliştirme Vakfı Okulları (GVO) STEAM-Maker Uzman Liderlik Programı İçerik Geliştirme, 2018 - 2019

Atalay Ö., Özlem K., İnce G., Project Supported by Higher Education Institutions, Tekstil bazlı vücut hareket yakalama sisteminin geliştirilmesi, 2018 - 2019

Kamaşak M. E., İnce G., Project Supported by Other Private Institutions, Türkiye Müzik Eserleri İçin Ortak Veritabanı Oluşturulması, 2018 - 2019

İnce G., Project Supported by Other Private Institutions, Mobil Cihaz ve Beacon Tabanlı Egzersiz Takip Sistemi ve Yönetimi, 2018 - 2019

İnce G., Demirel Ç., Project Supported by Higher Education Institutions, Profesyonel Ses Kullanıcıları İçin Nesnel bir Performans Değerlendirme Yaklaşımı, 2017 - 2019

İnce G., TUBITAK Project, Profesyonel Ses Kullanıcıları İçin Ses Odaklama ve Yerleştirme Eğitim Yazılımı ve Sistemi: "Akustik Beden, 2017 - 2019

Esengün M., İnce G., Üstündağ A., Project Supported by Other Private Institutions, Artırılmış Gerçeklik Uygulamalarının Yaratılması İçin Yazılım Platformunun Geliştirilmesi, 2018 - 2018

İnce G., Project Supported by Other Private Institutions, İTÜ Aziz Sancar Bilim ve Sanat Merkezi İçerik Geliştirme, 2018 -

2018

İnce G., Project Supported by Other Private Institutions, Sürüş Performansı Odaklı Sigortacılık için Yazılım Sistemi, 2018 - 2018

Esengün M., İnce G., Üstündağ A., Project Supported by Other Private Institutions, Tavlama Fırınlarnının Artırılmış Gerçeklikle Görselleştirilmesi, 2018 - 2018

İnce G., Project Supported by Other Private Institutions, İnsan Eylemi Tanıma Tabanlı Arayüz Öneri Sistemi, 2017 - 2018

İnce G., Project Supported by Higher Education Institutions, Hayat Boyu Robot Öğrenmesi için Ses Bazlı Olay Gözleme Kullanarak Sahne Analizi, 2016 - 2018

İnce G., Project Supported by Higher Education Institutions, 2 Boyutlu Haritalar ve Artırılmış Gerçeklik Arayüzleri Kullanan Mobil Navigasyon Uygulamalarının Karşılaştırılmalı Değerlendirmesi, 2016 - 2018

İnce G., Project Supported by Higher Education Institutions, İNSAN ROBOT ETKİLEŞİMİ İÇİN GÜRBÜZ BİR DAVUL VURUŞ TANIMA SİSTEMİ, 2015 - 2018

İnce G., Project Supported by Higher Education Institutions, İnsan Robot Etkileşimi için Biyolojiden Esinlenmiş Bilişsel Mimarinin Hesaplamalı Modeli, 2013 - 2018

İnce G., Project Supported by Other Private Institutions, Adaptif Hibrit Servis Odaklı Mimari Trafik Yöneticisi, 2016 - 2017

İnce G., TUBITAK Project, Karar Ağaçları Yöntemi İmplementasyonu Veri Analizi ve Akıllı Karar Destek Algoritmaları ile Stratejik Planlama ve İzleme Yazılım Platformu Geliştirilmesi, 2015 - 2016

İnce G., Project Supported by Other Private Institutions, Prominent Word Detection using Prosody, 2015 - 2016

İnce G., TUBITAK Project, Mikrofon Dizileri için Seyreklik Tabanlı Düzenlemeler, 2014 - 2016

İnce G., Project Supported by Higher Education Institutions, Aktif Robot İşıtmesi, 2013 - 2016

İnce G., TUBITAK Project, Akıllı Giriş Sistemi, 2015 - 2015

İnce G., Industrial Thesis Project, Düşük Enerjili Radyo Frekans Vericisi Bazlı Kapalı Mekan Konumlandırma Sistemi, 2014 - 2015

İnce G., Project Supported by Higher Education Institutions, Robotlarda Hata Algılama için Ses Kaynağı Tespiti, 2014 - 2015

İnce G., Project Supported by Other Official Institutions, Giyilebilir Artırılmış Gerçeklik Gözlüğü, 2014 - 2015

İnce G., Project Supported by Other Private Institutions, İzle Kazan, 2014 - 2015

İnce G., TUBITAK Project, Zirai Amaçlı İnsansız Hava Aracı, 2014 - 2014

İnce G., Other International Funding Programs, Robust Ego Noise Suppression, 2012 - 2013

Patent

İnce G., TEKSTİL TABANLI GENİŞ ALANLI BASINÇ ALGILAMA DİZİLERİ, Patent, CHAPTER G Physics, The Invention Registration Number: TR2022/004079 , Standard Registration, 2023

İnce G., Yumuşak Robotik Uygulamalar için Aktüatörler, Patent, CHAPTER G Physics, The Invention Registration Number: TR2021/007340 , Standard Registration, 2022

İnce G., Sound Processing Device, Sound Processing Method, and Sound Processing Program, Patent, CHAPTER G Physics, Standard Registration, 2016

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İnce G., Acoustic Data Processor and Acoustic Data Processing Method for Reduction of Noise Based on Motion Status, Patent, CHAPTER G Physics, Standard Registration, 2013

İnce G., Speech Recognition System and Speech Recognizing Method, Patent, CHAPTER G Physics, Standard Registration, 2013

İnce G., Voice Recognition Device and Voice Recognition Method, Patent, CHAPTER G Physics, Standard Registration, 2012

İnce G., Acoustic Data Processor and Acoustic Data Processing Method, Patent, CHAPTER G Physics, Standard Registration, 2010

İnce G., Sound Data Processing Device and Sound Data Processing Method, Patent, CHAPTER G Physics, Standard Registration, 2010

Memberships / Tasks in Scientific Organizations

IEEE, Member, 2011 - Continues

Scientific Refereeing

Journal of Intelligent & Robotic Systems, SCI Journal, January 2017

Journal of Intelligent & Robotic Systems, SCI Journal, January 2015

IEEE Robotics and Automation Letters, SCI Journal, January 2013

Sensors, SCI Journal, January 2013

Scientific Consultations

Dr. Voice Ltd. Şti., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2017 - 2018

Artı Teknoloji Kollektif Şirketi, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2016 - 2018

Artı Teknoloji Kollektif Şirketi, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2016 - 2017

Albert Solino Ltd. Şti., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2015 - 2016

Aslansis Ltd. Şti., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2015 - 2016

Hangaarlab. Ltd. Şti. Teknogirişim Sermayesi, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2014 - 2015

Artı Teknoloji Kollektif Şirketi, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2014 - 2015

Scientific Research / Working Group Memberships

İnsan Odaklı Bilişim, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, www.itu.edu.tr, 2014 - Continues

Yapay Zeka ve Robotik, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, www.itu.edu.tr, 2014 - Continues

Metrics

Publication: 165

Citation (WoS): 65

Citation (Scopus): 643

H-Index (WoS): 6

H-Index (Scopus): 14

Congress and Symposium Activities

Giyilebilir Teknolojiler Çalıştayı, Invited Speaker, Agualva-Cacem, Turkey, 2015

RobotikFest, Invited Speaker, Agualva-Cacem, Turkey, 2014

2. BINAHR Symposium, Invited Speaker, Lisbon, Portugal, 2012

Scholarships

Yurt Dışı Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2014 - Continues

Asian Office of Aerospace Research & Development, Air Force Office of Scientific Research, Official Institutions of Foreign Countries, 2009 - Continues

GRASSROOTS, Other International Organizations, 2009 - Continues

Başarı Bursu, University, 2000 - Continues

Awards

İnce G., En iyi bildiri ödülü, International Conference on Advances in Computer-Human Interactions (ACHI), January 2017

İnce G., En iyi bildiri ödülü, International Conference on Advances in Computer-Human Interactions (ACHI), January 2016

İnce G., En iyi sunum ödülü üçüncülüğü, Signal Processing and Communications Applications Conference (SIU), January 2016

İnce G., Araştırma promosyon ödülü, Robotics Society of Japan, January 2011

İnce G., En iyi öğrenci makalesi ödülü, International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA-AIE), January 2010

İnce G., En iyi makale ödülü, International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA-AIE), January 2010

İnce G., 2010 IEEE International Conference on Robotics and Automation, IEEE Robotics and Automation Society, January 2010

Non Academic Experience

TRR ROBOT VE BİLİŞİM TEKNOLOJİLERİ ARGE MÜHENDİSLİK ZİRAAT SANAYİ VE TİCARET ANONİM ŞİRKETİ

Business Organization (private), Honda Research Institute Japan

Honda Research Institute Japan - Japonya

Honda Research Institute Europe - Almanya