Prof. Hazım Kemal Ekenel

Personal Information

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Biography

Dr. Ekenel is an Associate Professor at the Department of Computer Engineering in Istanbul Technical University, where he directs the ?Smart Interaction, Mobile Intelligence, and Multimedia Technologies (SiMiT) Research Group?. He received his B.Sc. and M.Sc. degrees in Electrical and Electronic engineering from Bogazici University in 2001 and 2003, respectively, and Ph.D. degree in Computer Engineering from the University of Karlsruhe (TH)/Karlsruhe Institute of Technology in 2009.

He has played a leading role in face analysis tasks in several large-scale European and German research projects. He was the task leader for face recognition in the Computers in the Human Interaction Loop (CHIL) project, an Integrated Project funded under the European Commission's Sixth Framework Programme with a budget of 24 million EUR. He organized international face recognition evaluations within the CLEAR evaluation campaigns (http://www.clear-evaluation.org/). He has been responsible for face recognition system in the German SFB588 Humanoid Robots project. He has been the task leader of face recognition in the French-German Quaero project funded by French State Agency for Innovation with a budget of 200 million EUR. He developed the best performing face detection system in the CHIL 2004, 2005 evaluations and the best performing face recognition system in the CLEAR 2006, 2007 evaluations. In addition, his team was ranked third among the 14 research institutions worldwide and had the first place among the six European teams participating to the Facial Expression Recognition and Analysis Challenge in 2011.

In 2008, he received the EBF European Biometric Research Award. The generality, speed, and robustness of his approach facilitated several deployments for a wide variety of real-world applications, such as entrance monitoring and person retrieval. Several demonstration sessions have been held in international conferences and events. He received the Best Demo Award at the IEEE International Conference on Automatic Face and Gesture Recognition in 2008. His face analysis technology has also been used by several research labs and companies. He was nominated for a prestigious German applied research prize by Technicolor SA (formerly Thomson SA), Exalead, Fraunhofer IOSB, and Videmo Intelligente Videoanalyse in 2010. After completing his doctoral studies, he was promoted to group leader position at the KIT. He is a recipient of a Young Investigator Grant that he was awarded within the German Excellence Initiative, with which he has founded the Facial Image Processing and Analysis (http://face.cs.kit.edu/) group at the Department of Computer Science in Karlsruhe Institute of Technology.

Since January 2011, he has been coordinating the Benchmarking Facial Image Analysis Technologies (BeFIT) initiative. He is the primary organizer of the BeFIT workshops 2011 and 2012. Together with Dr. Gunes from QMUL, he organized the International Workshop on Affective Computing for Mobile HCI (http://www.ac4mobhci2012.itu.edu.tr/) that took place in Istanbul, Turkey. He has been on the program committee for a number of international conferences and workshops including ICCV, ACCV, FG, ICME, BTAS, and AVSS.

Education Information

Doctorate, Universitad Karlsruhe, Bilgisayar Mühendisliği, Germany 2004 - 2009

Postgraduate, Bogazici University, Instıtute Of Scıence, Elektrik-Elektronik Mühendisliği (Yl) (Tezli), Turkey 2001 - 2003
Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Electrıcal And Electronıcs Engıneerıng,
Turkey 1997 - 2001

Foreign Languages

English

Dissertations

Doctorate, A robust face recognition algorithm for real-world applications, Universitad Karlsruhe, Bilgisayar Müh.,
Bilgisayar Mih., 2009
Postgraduate, Expression and Illumination Insensitive Independent Components and Wavelet Subbands for Face
Recognition, Boğaziçi Üniversitesi, Elektrik-Elektronik Müh., Elektrik-Elektronik Müh., 2003

Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern
Recognition and Image Processing

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2014 -
Continues
Assistant Professor, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 -
2014
Lecturer PhD, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2012
Lecturer PhD, Universitaet Fridericiana zu Karlsruhe, 2009 - 2011
Research Assistant, Universitaet Fridericiana zu Karlsruhe, 2004 - 2009

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, 2013 - 2016

Supported Projects

Ekenel H. K. , Eyiokur F. İ. , Yaman D., Project Supported by Higher Education Institutions, Biyometrik Tanıma Amaçlı
Kulak İmgelerinin Kullanımı, 2017 - 2019
Ekenel H. K. , Project Supported by Higher Education Institutions, Apparent Age Estimation Using Ensemble of Deep
Learning Models, 2016 - 2018
Ekenel H. K. , Project Supported by Higher Education Institutions, Otomatik Yüz Analizine Dayalı Engellilere ve Hastalara
Yardımcı Teknolojiler, 2014 - 2018
Ekenel H. K. , Project Supported by Higher Education Institutions, A Face Recognition Based Multiplayer Mobile Game
Applicaiton, 2014 - 2018
Ekenel H. K. , Project Supported by Higher Education Institutions, Real Time Face Swapping in Video Sequces, 2012 -
2018

Ekenel H. K. , Project Supported by Higher Education Institutions, Evrişimsel Sinir Ağı Öznitelikleri ile Kişiyi Yeniden Tanıma, 2016 - 2016

Ekenel H. K. , Project Supported by Higher Education Institutions, İnsan Makine Etkileşimi için Otomatik Yüz Analizi, 2012 - 2016

Scientific Refereeing

Image and Vision Computing, SCI Journal, July 2017
IEEE Transactions on Affective Computing, SCI Journal, June 2017
IEEE Transactions on Circuits and Systems for Video Technology, SCI Journal, May 2017
IEEE Transactions on Circuits and Systems for Video Technology , SCI Journal, April 2017
Pattern Recognition Letters, SCI Journal, March 2017
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, March 2017
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, March 2017
IEEE Transactions on Affective Computing, SCI Journal, November 2016
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, November 2016
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, August 2016
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, May 2016
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, May 2016
Image and Vision Computing, SCI Journal, April 2016
Multimedia Tools and Applications, SCI Journal, February 2016
IEEE Transactions on Information Forensics and Security, SCI Journal, January 2016
IEEE Transactions on Information Forensics and Security, SCI Journal, April 2015
Pattern Recognition Letters, SCI Journal, March 2015
IEEE Transactions on Image Processing, SCI Journal, August 2014
Image and Vision Computing, SCI Journal, October 2013
Multimedia Tools and Applications, SCI Journal, August 2013
IEEE Transactions on Image Processing, SCI Journal, August 2013
IEEE Transactions on Image Processing, SCI Journal, April 2013
Image and Vision Computing, SCI Journal, November 2012
Image and Vision Computing, SCI Journal, October 2012
IEEE Transactions on Image Processing, SCI Journal, September 2012
IEEE Transactions on Image Processing, SCI Journal, July 2012
Multimedia Tools and Applications, SCI Journal, January 2012
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, September 2011
Image and Vision Computing, SCI Journal, August 2011
Image and Vision Computing, SCI Journal, July 2011
Multimedia Tools and Applications, SCI Journal, July 2011
Multimedia Tools and Applications, SCI Journal, May 2011
Multimedia Tools and Applications, SCI Journal, June 2010
Computer Vision and Image Understanding, SCI Journal, September 2007
Computer Vision and Image Understanding, SCI Journal, August 2007

Edit Congress and Symposium Activities

25th Signal Processing and Communication Application Conference (SIU), Attendee, Antalya, Turkey, 2017
25. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Moderator, Antalya, Turkey, 2017
ACM ICMI Facial Expressions in the Wild Workshop (EmotiW), Attendee, Tôkyô, Japan, 2016
15th International Conference of the Biometrics Special Interest Group (BIOSIG), Attendee, Darmstadt, Germany, 2016

International Workshop on Intelligent Educational Systems, Technology-enhanced Learning and Technology Transfer Models (INTEL-EDU), Attendee, Praha, Czech Republic, 2016

CVPR Biometrics Workshop, Attendee, Nevada, United States Of America, 2016

CVPR ChaLearn Looking at People and Faces of the World: Face Analysis Workshop and Challenge, Attendee, Nevada, United States Of America, 2016

24th Signal Processing and Communication Application Conference (SIU), Attendee, Zonguldak, Turkey, 2016

TIPTEKNO'15, Attendee, Muğla, Turkey, 2015

2015 IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Attendee, Massachusetts, United States Of America, 2015

IEEE International Conference on Automatic Face and Gesture Recognition (FG), Attendee, Ljubljana, Slovenia, 2015

International Conference on Biometrics (ICB), Attendee, Phuket, Thailand, 2015

10th International Conference on Artificial Intelligence Applications and Innovations (AIAI), Attendee, Ródos, Greece, 2014

22th Signal Processing and Communication Application Conference (SIU), Attendee, Trabzon, Turkey, 2014

2nd International Workshop on Emotion Representation, Analysis and Synthesis in Continuous Time and Space (EmoSPACE), Attendee, Shanghai, China, 2013

International Conference on Computer Vision Theory and Applications (VISAPP), Attendee, Roma, Italy, 2012

1st IEEE Intl. Workshop on Benchmarking Facial Image Analysis Technologies (BeFIT 2011), Attendee, Barcelona, Spain, 2011

19th Signal Processing and Communications Applications Conference (SIU), Attendee, Turkey, 2011

3rd International Workshop on Automated Information Extraction in Media Production (AIEMPro'10), Attendee, Firenze, Italy, 2010

International Conference on Pattern Recognition (ICPR'10), Attendee, İstanbul, Turkey, 2010

International Conference on Biometrics (ICB'09), Attendee, Sassari, Italy, 2009

TRECVID Evaluation Workshop, Attendee, Maryland, United States Of America, 2008

8th IEEE Int. Conference on Face and Gesture Recognition, Attendee, Amsterdam, Netherlands, 2008

16th Signal Processing and Communications Applications Conference (SIU), Attendee, Turkey, 2008

TRECVID Evaluation Workshop, Attendee, Maryland, United States Of America, 2007

International Conference on Computer Vision (ICCV'07),, Attendee, Rio De Janeiro, Brazil, 2007

IEEE International Conference on Multimedia & Expo, Attendee, Beijing, China, 2007

CVPR Biometrics Workshop, Attendee, Minnesota, United States Of America, 2007

15th Signal Processing and Communications Applications (SIU), Attendee, Eskişehir, Turkey, 2007

CLEAR Evaluation Workshop, Attendee, Maryland, United States Of America, 2007

International Conference on Computer Vision Systems, ICVS 2007, Attendee, Bielefeld, Germany, 2007

International Conference on Computer Vision Systems, ICVS 2007,, Attendee, Bielefeld, Germany, 2007

2nd Intl. Workshop on Human-Centered Robotics Systems 2006, Attendee, München, Germany, 2006

CVPR Biometrics Workshop, Attendee, New York, United States Of America, 2006

CLEAR Evaluation Workshop, Attendee, Southampton, United Kingdom, 2006

14th Signal Processing and Communications Applications (SIU), Attendee, Antalya, Turkey, 2006

7th International Conference Automatic Face and Gesture Recognition (FG2006), Attendee, Southampton, United Kingdom, 2006

13th European Signal Processing Conference (EUSIPCO 2005), Attendee, Turkey, 2005

11th Signal Processing and Communications Applications Conference (SIU), Attendee, Turkey, 2003

National Conference on Turkish Linguistics, Attendee, Eskişehir, Turkey, 2003

10th Signal Processing and Communications Applications Conference (SIU), Attendee, Denizli, Turkey, 2002

XVI. National Conference on Turkish Linguistics, Attendee, Ankara, Turkey, 2002

Citations

Total Citations (WOS):513

h-index (WOS):11

Non Academic Experience

Business Establishment Private, Vistek