

# Sinem ASLAN

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## Education

<b>Ege University</b>	2007 – 2016
<i>Izmir, Turkey</i> <ul style="list-style-type: none"><li>- PhD, International Computer Institute</li><li>- Thesis: <i>Semantic Interest Point Detection</i><ul style="list-style-type: none"><li>- Supervisors: <i>Prof. Dr. Bülent SANKUR, Prof. Dr. Turhan TUNALI</i></li></ul></li></ul>	
<b>Ege University</b>	2003 –2007
<i>Izmir, Turkey</i> <ul style="list-style-type: none"><li>- MSc, International Computer Institute</li><li>- Thesis: <i>A Comparative Study of Feature Metrics For Classification Of Human Passport Photos</i><ul style="list-style-type: none"><li>- Supervisor: <i>Prof. Dr. Turhan Tunali</i></li></ul></li></ul>	
<b>Ankara University</b>	1998 – 2002
<i>Ankara, Turkey</i> <ul style="list-style-type: none"><li>- BSc, Electronics Engineering</li><li>- Thesis: <i>VoIP, A Literature Survey</i></li></ul>	
<b>Mustafa Kemal High School</b>	1997 – 1998
<b>Gaziantep Vehbi Dinçerler Science High School</b>	1995 – 1997

## Experience

<b>Research Assistant</b>	Jul 2004 – Present
<i>Ege University, International Computer Institute – Izmir, Turkey</i> <ul style="list-style-type: none"><li>- Assisted “Discrete Mathematics for Computer Science”, “Digital Image Processing”, “Database Management Systems”, “Multimedia Systems”, “Information Retrieval” courses.</li></ul>	
<b>Visiting Researcher</b>	Jan 2014 – Feb 2015
<i>Boğaziçi University, BUSIM: Signal and Image Processing Laboratory – Istanbul, Turkey</i>	
<b>Project Referee</b>	12 Feb 2009
<i>TUBITAK Technology and Innovation Funding Programs Directorate (TEYDEB) –Ankara,Turkey</i> <ul style="list-style-type: none"><li>- Worked as a referee at the “Developing a Chemical, Biological, Radiologic and Nuclear Command and Control Information System” project. (Project No: 3080927, Budget :1521187 Euro)</li></ul>	
<b>Translator</b>	Jul 2003 – Jul 2004
<i>ALKIM Publishing House – Ankara,Turkey</i> <ul style="list-style-type: none"><li>- Worked at the English to Turkish translation project of the book of “<i>Beginning Visual C#, Wrox, 2002</i>”</li></ul>	
<b>Intern</b>	Aug 2001 – Sep 2001
<i>Turkish Telecommunication Company – Ankara , Turkey</i> <ul style="list-style-type: none"><li>- Attended to the seminars in the subjects of TDM, FDM, X.25, ATM, Frame Relay, ISDN and TCP/IP at the departments of TURPAK, TTNET and AYCELL.</li></ul>	

<b>Intern</b>	Jul 2000 – Aug 2000
<i>SIEMENS Information &amp; Communication Network Department – Ankara, Turkey</i>	
<ul style="list-style-type: none"> <li>- Attended to the seminars in the subjects of Digital Switching, PCM, GSM, PDH and SDH.</li> </ul>	
<b>Technical skills</b>	
<ul style="list-style-type: none"> <li>- C/C++, OpenCV</li> <li>- Expert on Mathworks MATLAB, LaTeX</li> <li>- Fluent with MS Windows</li> </ul>	
<b>Publications</b>	
<b>National Conferences</b>	
<ul style="list-style-type: none"> <li>- <b>Aslan S</b>, Akgül CB, Sankur B, Tunalı ET. A novel study on developing a model-driven visual dictionary. In 2016 24th Signal Processing and Communication Application Conference (SIU) 2016 May 16 (pp. 2081-2084). IEEE.</li> <li>- <b>Aslan S</b>.; Tunalı T.; "Joint compressive video coding and analysis With Hidden Markov model based weighted reconstruction", Signal Processing and Communications Applications, 2013. SIU 2013. IEEE 21<sup>st</sup>, vol., no., pp.1-4, 2013. (Best paper candidate)</li> <li>- <b>Aslan S</b>.; Tunalı T.; "A Comparative Study Of Compressed Sensing Video Encoding GOP Patterns For Stereo Distributed Video Coding", Signal Processing and Communications Applications, 2012. SIU 2012. IEEE 20th, vol., no., pp.1-4, 18-20 April 2012.</li> <li>- <b>Aslan S</b>.; Tunalı T.; Cinsdikici M., "A Comparative Study of Feature Metrics for Classification of Human Passport Photos," Signal Processing and Communications Applications, 2007. SIU 2007. IEEE 15th , vol., no., pp.1-4, 11-13 June 2007.</li> </ul>	
<b>International Conferences</b>	
<ul style="list-style-type: none"> <li>- <b>Aslan S.</b>, Yamac, M., Sankur B.; "A DCT-based multiscaled binary descriptor invariant to complex brightness changes", in European Signal Processing Conference (EUSIPCO 2016), 2016 24th. p. 1573–1577.</li> <li>- <b>Aslan S.</b>, Akgül C.B, Sankur B., Tunalı T.; "SymPaD: Symbolic Patch Descriptor", 10<sup>th</sup> International Conference on Computer Vision Theory and Applications (VISAPP), Berlin, Proceedings of VISAPP 2015 / VISIGRAPP, ISBN: 978-989-758-089-5, pages 266-271.</li> <li>- <b>Aslan S.</b>, Akgül C.B, Sankur B.; "Symbolic feature detection for image understanding", In IS&amp;T/SPIE Electronic Imaging, pp. 902406-902406. International Society for Optics and Photonics, San Francisco, (March 7, 2014); doi:10.1117/12.2040783.</li> <li>- Karaoglan, B.; <b>Aslan, S.</b>; Karayer, E., "The Zipfian distributions on term x document matrix," 1st International Conference on Analysis and Applied Mathematics, ICAAM 2012, AIP Conf. Proc. 1470, pp. 247-250; Gumushane, 18–21 October 2012</li> <li>- <b>Aslan, S.</b>; Uzer, Y.; Isik, O.; Altun, M.; Cinsdikici, M., "A Simple and Improvable Method for Face Region Extraction," Computer and Information Sciences, 2008. ISCIS '08. 23rd International Symposium on , vol., no., pp.1-4, 27-29 Oct. 2008.</li> </ul>	
<b>Workshops &amp; Summer Schools</b>	
<b>Mathematical Foundations of Machine Learning</b>	
<i>Matematik Köyü, Şirince, İzmir, Oct. 19 – 23. 2016</i>	
<ul style="list-style-type: none"> <li>• Mathematical methods, i.e., Bayesian statistic and probability models, Monte Carlo simulation, optimization techniques and Distributed and parallel computing, used in machine vision applications are presented.</li> </ul>	
<b>International Computer Vision Summer School (ICVSS)</b>	
<i>Calabria, Italy, July 14–20 2013.</i>	
<ul style="list-style-type: none"> <li>- Courses were delivered by world renowned experts in the field, from both academia and industry, and covered both theoretical and practical aspects of real Computer Vision problems as well as examples of their successful commercialisation.</li> </ul>	
<b>Biomedical Image Analysis Summer School (BIOMED)</b>	
<i>Paris, France, July 9–13 2012.</i>	
<ul style="list-style-type: none"> <li>• Tutorial and advanced imaging lectures were given by the leading researchers of the area.</li> </ul>	

<b>State Of Art in Signal and Image Processing (<a href="#">EMO Academic Camp</a>)</b>	
<i>Izmir, Turkey, May 17–20 2012.</i>	
<ul style="list-style-type: none"> <li>- Lectures about latest issues and approaches in Signal and Image Processing were given by leading researchers in the field.</li> </ul>	
<b>Mathematics and Image Analysis (<a href="#">MIA 2012</a>)</b>	
<i>Paris, France, Jan 16–18 2012.</i>	
<ul style="list-style-type: none"> <li>- The scientific program includes invited conferences at the interface between applied mathematics (PDE's, Statistical Methods, Sparsity, Level Sets, Variational Methods, etc.) and new developments in various areas of computer vision, graphics and imaging.</li> </ul>	
<b>Research Interests</b>	
<ul style="list-style-type: none"> <li>- Computer vision</li> <li>- Image understanding</li> <li>- Pattern recognition</li> <li>- Image descriptors</li> <li>- Compressive sensing</li> </ul>	
<b>Professional Activities</b>	
<ul style="list-style-type: none"> <li>- Reviewer for the journals: <ul style="list-style-type: none"> <li>- IEEE Transactions on Image Processing</li> <li>- Springer, Multimedia Tools and Applications</li> <li>- Springer, Pattern Analysis and Applications</li> <li>- IET Image Processing</li> </ul> </li> </ul>	
<b>Membership</b>	
<ul style="list-style-type: none"> <li>- European Platform of Women Scientists (EPWS), Individual Supporting Member</li> <li>- IEEE student member, IEEE Women in Engineering member.</li> </ul>	
<b>Languages</b>	
<ul style="list-style-type: none"> <li>- English (<i>Advanced</i>)</li> <li>- French (<i>Beginner</i>)</li> <li>- Italian (<i>Beginner</i>)</li> </ul>	
<b>References</b>	
<ul style="list-style-type: none"> <li>- Available upon request</li> </ul>	
<b>Volunteer Experience</b>	
<b>Short Term Volunteer</b>	Aug 2006 – Sep 2006
<i>Bordeaux, France</i>	
<ul style="list-style-type: none"> <li>- Worked for the restoration of the town's castle at the international work camp in Montendre.</li> </ul>	
<b>Social Activities</b>	
<ul style="list-style-type: none"> <li>- Hacettepe University Dance Club Member</li> </ul>	1999 – 2002
<ul style="list-style-type: none"> <li>- Took place at "Ugur Mumcu Cultural Center Trainees" Art Exhibition with 3 oil paintings.</li> </ul>	May 2009 – Jun 2009
<ul style="list-style-type: none"> <li>- Took place at "Soyer Culture and Art Factory" Art Exhibition with 2 oil paintings.</li> </ul>	Jun 2010 – Jul 2010
Argentin Tango	2014- present

## Hobbies

- Drawing & Painting
- Tango
- Cinema & Musicals
- Literature & Reading (My account at [GoodReads](#) & [ICI Book Club](#))