

## SENIHA ESEN YUKSEL'S CITATIONS

*I have been cited in 36 publications including  
12 journals, 18 conference papers, 5 book chapters and 1 PhD dissertation.  
11 of these are SCI or SCI-expanded indexed.*

- Updated: February, 2012
  - Self citations have been excluded.
  - \*\* indicates a journal paper.
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### 1- (Citations 6 : 3 journals, 1 dissertation, 2 conferences )

S.E. Yuksel, G. Ramachandran, P. Gader, J. Wilson, D. Ho, G. Heo, "Hierarchical methods for landmine detection with wideband electro-magnetic induction and ground penetrating radar multi-sensor systems," *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, vol.2, pp.II-177-II-180, 7-11 July 2008.

### CITED BY:

**(SCI Expanded)** \*\* 1- Ramachandran, G.; Gader, P. D.; Wilson, J. N.; "GRANMA: Gradient Angle Model Algorithm on Wideband EMI Data for Land-Mine Detection," *Geoscience and Remote Sensing Letters, IEEE* , vol.7, no.3, pp.535-539, July 2010

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5430898&isnumber=5508674>

**(SCI)** \*\* 2- Bolton, J.; Gader, P.; "Random Set Framework for Context-Based Classification With Hyperspectral Imagery," *Geoscience and Remote Sensing, IEEE Transactions on* , vol.47, no.11, pp.3810-3821, Nov. 2009

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5226589&isnumber=5291960>

3- Waymond R. Scott, Gregg D. Larson, "Modeling the measured EM Induction Response of Targets as a Sum of Dipole Terms Each With a Discrete Relaxation," *IEEE International Geoscience and Remote Sensing Symposium*, 2010.

URL: <http://www.igarss2010.com/Papers/viewpapers.asp?paperum=4603>

4- Waymond R. Scott, and Gregg D. Larson; "Measured dipole expansion of discrete relaxations to represent the electromagnetic induction response of buried metal targets," *Proc. of the SPIE*, 2010

URL: [http://users.ece.gatech.edu/~wrscott/Papers/SPIE\\_2010\\_EMI.pdf](http://users.ece.gatech.edu/~wrscott/Papers/SPIE_2010_EMI.pdf)

5- Ahmed C.B. Abdallah, "Generic Framework for Context-Dependent Fusion with Application to Landmine Detection", *Dissertation for the Degree of Doctor of Philosophy*, University of Louisville, 2009.

### URL:

[http://digital.library.louisville.edu/cdm4/item\\_viewer.php?CISOROOT=/etd&CISOPTR=2006&CISOBX=1&REC=3](http://digital.library.louisville.edu/cdm4/item_viewer.php?CISOROOT=/etd&CISOPTR=2006&CISOBX=1&REC=3)

Type: Dissertation

**(SCI)** \*\* 6- Frigui, H.; Lijun Zhang; Gader, P.D.; , "Context-Dependent Multisensor Fusion and Its Application to Land Mine Detection," *Geoscience and Remote Sensing, IEEE Transactions on* , vol.48, no.6, pp.2528-2543, June 2010

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5419982&isnumber=5464431>

**2- (Citations 10: 5 journals, 1 book chapter, 4 conferences)**

S. E. Yuksel, A. El-Baz, A.A.Farag, M. E. A. El-Ghar, T.A.Eldiasty, and M.A.Ghoneim, "Automatic detection of renal rejection after kidney transplantation," *Proceedings of Computer Assisted Radiology and Surgery (CARS), International Congress Series*, vol. 1281, pp. 773-778, 2005.

CITED BY:

1- Song, T.; Lee, V.S.; Rusinek, H.; Wong, S.; Laine, A.F.; "Four Dimensional MR Image Analysis of Dynamic Renography," *Engineering in Medicine and Biology Society, 2006. EMBS '06. 28th Annual International Conference of the IEEE*, vol., no., pp.3134-3137, Aug. 30 2006-Sept. 3 2006  
URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4462461&isnumber=4461641>

2- Ting Song; Lee, V.S.; Rusinek, H.; Bokacheva, L.; Laine, A.; , "Segmentation of 4D MR renography images using temporal dynamics in a level set framework," *Biomedical Imaging: From Nano to Macro, 2008. ISBI 2008. 5th IEEE International Symposium on*, vol., no., pp.37-40, 14-17 May 2008

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4540926&isnumber=4540908>

**(SCI-Expanded)** \*\* 3- N. Michoux, J-P. Vallée, A. Pechère-Bertschi, X. Montet, L. Buehler and B. E. Van Beers, "Analysis of contrast-enhanced MR images to assess renal function," *Magnetic Resonance Materials in Physics, Biology and Medicine*, Volume 19, Number 4, pp. 167-179, 2006.

doi: 10.1007/s10334-006-0045-z

URL: <http://www.springerlink.com/content/r6850w4027474188>

**(SCI-Expanded)** 4- Ting Song, Vivian S. Lee, Henry Rusinek, Samson Wong and Andrew F. Laine, "Integrated Four Dimensional Registration and Segmentation of Dynamic Renal MR Images," *Medical Image Computing and Computer-Assisted Intervention (MICCAI), Lecture Notes in Computer Science*, 2006, Vol. 4191, pp. 758-765.

DOI: 10.1007/11866763\_93

URL: <http://www.springerlink.com/content/wn21317j487wt63r/>

**(SCI-Expanded)** \*\* 5- Ting Song, Vivian S. Lee, Qun Chen, Henry Rusinek, Andrew F. Laine, "An automated three-dimensional plus time registration framework for dynamic MR renography," *Journal of Visual Communication and Image Representation*, 21 (2010) 1–8

URL:<http://www.sciencedirect.com/science/article/B6WMK-4X6VMG4-1/2/475b5f4d8cf43337a9cc132cd098c9c3>

\*\* 6- Elnaz Afshari, Siamak Najarian, Naser Simforoosh, and Siamak Hajizadeh Farkoush, "Evaluation of a New Method for Detection of Kidney Stone during Laparoscopy Using 3D Conceptual Modeling," *International Journal of Biological and Life Sciences, World Academy of Science, Engineering and Technology* 53 2009

URL: <http://www.waset.org/journals/waset/v53/v53-213.pdf>,

<http://www.waset.org/journals/ijbls/v8/v8-1-10.pdf>

**(SCI-Expanded)** 7- Elnaz Afshari, Siamak Najarian, Nasser Simforoosh, Application of artificial tactile sensing approach in kidney-stone-removal laparoscopy , *Bio-Medical Materials and Engineering*, Volume 20, Number 5 / 2010, pp. 261 – 267

URL: <http://www.ncbi.nlm.nih.gov/pubmed/21084738>

**(SCI-Expanded)** 8- Gang Chen and Lixu, "A Novel Liver Perfusion Analysis Based on Active Contours and Chamfer Matching", *Medical Imaging and Augmented Reality, Lecture Notes in Computer Science*, editors Yang, Guang-Zhong and Jiang, TianZi and Shen, Dinggang and Gu, Lixu and Yang, Jie, Springer Berlin / Heidelberg, pp. 108-115, volume 4091, 2006.

isbn = 978-3-540-37220-2

URL: [http://dx.doi.org/10.1007/11812715\\_14](http://dx.doi.org/10.1007/11812715_14)

\*\* 9- Mohamed Abou El-Ghar, Aly Farag, Tarek El-Diasty, Ahmed Shokeir, Huda Refaie, Yasser Osman, Tarek Mohsen, Mohamed Ghoneim, "Computer aided detection of acute renal allograft dysfunction using dynamic contrast enhanced MRI", *The Egyptian Journal of Radiology and Nuclear Medicine*, Volume 42, Issues 3–4, December 2011, Pages 443-449, ISSN 0378-603X.

URL: <http://www.sciencedirect.com/science/article/pii/S0378603X1100074X>

10- Aslan, Melih S., Hossam Abd El Munim, Aly A. Farag and Mohamed Abou El-Ghar. "Assessment of Kidney Function Using Dynamic Contrast Enhanced MRI Techniques." In *Biomedical Image Analysis and Machine Learning Technologies: Applications and Techniques*, ed. Fabio A. Gonzalez and Eduardo Romero, 214-233 (2010), accessed January 17, 2012.

doi:10.4018/978-1-60566-956-4.ch010

URL: <http://www.igi-global.com/chapter/biomedical-image-analysis-machine-learning/39562>

Type: Book Chapter

### 3- (Citations 2: 1 Journal, 1 book chapter)

**Seniha Esen Yuksel, Ayman El-Baz, Aly A. Farag, Mohamed El-Ghar, Tarek Eldiasty and Mohamed A. Ghoneim," A Kidney Segmentation Framework for Dynamic Contrast Enhanced Magnetic Resonance Imaging," *Journal of Vibration and Control*, 13 (9 - 10), pp. 1505 -1516, 2007.**

CITED BY:

**(SCI-Expanded)** \*\* 1- L. Bokacheva, H. Rusinek, J. Zhang, V. Lee, "Assessment of Renal Function with Dynamic Contrast-Enhanced MR Imaging," *Magnetic Resonance Imaging Clinics of North America*, Volume 16, Issue 4, Pages 597-611, November 2008

URL:<http://linkinghub.elsevier.com/retrieve/pii/S1064968908000913>

2- Aslan, Melih S., Hossam Abd El Munim, Aly A. Farag and Mohamed Abou El-Ghar. "Assessment of Kidney Function Using Dynamic Contrast Enhanced MRI Techniques." In *Biomedical Image Analysis and Machine Learning Technologies: Applications and Techniques*, ed. Fabio A. Gonzalez and Eduardo Romero, 214-233 (2010), accessed January 17, 2012.

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URL: <http://www.igi-global.com/chapter/biomedical-image-analysis-machine-learning/39562>

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### 4- (Citations 8: 2 Journals, 6 conferences)

**El-Baz, A., Yuksel, S., Shi, H., Farag, A., El-Ghar, M., Eldiasty, T., Ghoneim, M.: 2D and 3D shape based segmentation using deformable models. In: Duncan, J.S., Gerig, G. (eds.) MICCAI 2005. LNCS, vol. 3750, pp. 821-829. Springer, Heidelberg.**

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**(SCI-Expanded)** \*\* 1- Hanna K. Jankowski, Larissa I. Stanberry; "Expectations of Random Sets and Their Boundaries Using Oriented Distance Functions," *Journal of Mathematical Imaging and Vision (JMIV)*, 2010, Volume 36, Number 3, 291-303.

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2- El-Baz, A.; Gimelfarb, G.; El-Ghar, M.A.; , "Image analysis approach for identification of renal transplant rejection," *Pattern Recognition, 2008. ICPR 2008. 19th International Conference on*, pp.1-4, 8-11 Dec. 2008

doi: 10.1109/ICPR.2008.4761694

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3- A El-Baz, G Gimel'farb, Mohamed A. El-Ghar, "New motion correction models for automatic identification of renal transplant rejection," MICCAI'07 Proceedings of the 10th international conference on Medical image computing and computer-assisted intervention, 2007.

URL: <http://portal.acm.org/citation.cfm?id=1775835.1775869>

4- El-Baz, A.; Gimel'farb, G.; El-Ghat, M.A.; , "A novel image analysis approach for accurate identification of acute renal rejection," *Image Processing, 2008. ICIP 2008. 15th IEEE International Conference on*, vol., no., pp.1812-1815, 12-15 Oct. 2008

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5- El-Melegy, M.T.; Al-Ashwal, N.H.; , "A variational technique for 3D reconstruction from multiple views," *Computer Engineering & Systems, 2007. ICCES '07. International Conference on* , vol., no., pp.38-43, 27-29 Nov. 2007

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6- Noha Y. El-Zehiry, Rachid\_Fahmi, "Level Set Method In Medical Imaging: An overview," Graphics, Vision and Image Processing (GVIP) Conference, 19-21 December 2005, pp. 515- 529.

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7- Eftaxias, K.; Fisikopoulos, V.; Spyrou, G.M.; , "In silico tomographic image generation using monte carlo and computational geometry," *10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB)*, 2010, vol., no., pp.1-4, 3-5 Nov. 2010

URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5687794&isnumber=5687600>

**(SCI-Expanded)** \*\* 8 – Hadjidemetriou S, Reichardt W, Hennig J, Buechert M, von Elverfeldt D., "Volumetric analysis of MRI data monitoring the treatment of polycystic kidney disease in a mouse model," *Magnetic Resonance Materials in Physics, Biology and Medicine*, (2011) Vol. 24, pp.109–119

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#### 5- (Citations 2: 1 journal, 1 conference)

**A. El-Baz, R. Fahmi, S.E. Yuksel, A.A. Farag, W. Miller, M.A. El-Ghar, T. Eldiasty, "A New CAD System for the Evaluation of Kidney Diseases Using DCE-MRI," Proc. of International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI) (2) 2006, pp. 446-453.**

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\*\* 1- Elnaz Afshari, Siamak Najarian, "Modeling and Analysis of the Effects of Nephrolithiasis in Kidney Using a Computational Tactile Sensing Approach," *International Journal of Biological and Life Sciences* 8:1, 2009.

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2- Darko Zikic, Steven Sourbron, Xinxing Feng, Henrik J. Michaely, Ali Khamene, Nassir Navab, "Automatic Alignment of Renal DCE-MRI Image Series for Improvement of Quantitative Tracer Kinetic Studies," *SPIE Medical Imaging Symposium*, 2008, vol. 6914 (3), pp. 691432.1-691432.8.

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#### 6- (Citations 3 conferences)

**A. El-Baz, S. Yuksel, S. Elshazly, and A. Farag, "Nonrigid registration techniques for automatic follow-up of lung nodules," Proc. of Computer Assisted Radiology and Surgery (CARS'05), Berlin, Germany, pp. 1115- 1120, 2005.**

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1- José Silvestre Silva, João Cancela, Luísa Teixeira, "Pulmonary Registration Methods for Follow-up Analysis in Oncologic Patients," 14th Portuguese Conference on Pattern Recognition (RECPAD), 2008.

URL:<http://www1.ci.uc.pt/pessoal/jsilva/pdf/Silva2008-RECPAD2.pdf>

2- João Cancela, José Silvestre Silva and Luísa Teixeira, "Volumetric Registration Method in Lung Tumour Discrimination," 4th European Conference of the International Federation for Medical and Biological Engineering (IFMBE) Proceedings, 2009, Volume 22, Part 9, 1104-1107.

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#### 7- (Citations: 1 conference)

**El-Baz, A.S.; Farag, A.A.; El Munim, H.A.; Yuksel, S.E.; , "Level Set Segmentation Using Statistical Shape Priors," *Computer Vision and Pattern Recognition Workshop, 2006. CVPRW '06. Conference on* , vol., no., pp. 78- 78, 17-22 June 2006**

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1- Quan Xue; Jones, N.S.; Leake, M.C.; , "A general approach for segmenting elongated and stubby biological objects: Extending a chord length transform with the Radon transform," *Biomedical Imaging: From Nano to Macro, 2010 IEEE International Symposium on* , vol., no., pp.161-164, 14-17 April 2010  
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**A. El-Baz, R. Fahmi, S.E. Yuksel, A.A. Farag, W. Miller, M.A. El-Ghar, T. Eldiasty, "A New CAD System for the Evaluation of Kidney Diseases Using DCE-MRI, " Proc. of International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI) (2) 2006, pp. 446-453.**

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**9- (Citations: 2 book chapters)**

**A. El-Baz, A.A. Farag, S.E. Yuksel , M.A. El-Ghar, T. A. Eldiasty and M.A. Ghoneim, " Application Of Deformable Models For The Detection Of Acute Renal Rejection, " in Deformable Models: Biomedical and Clinical Applications (Topics in Biomedical Engineering. International Book Series), J. S. Suri and A. A. Farag Editors, Springer-Verlag, New York, July 2007. ISBN: 978-0-387-31201-9.**

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- 1- Ahmed Elnakib, Georgy Gimel'farb, Jasjit S. Suri, Ayman El-Baz, "Medical Image Segmentation: A Brief Survey," in Multi Modality State-of-the-Art Medical Image Segmentation and Registration Methodologies, Editors Ayman S. El-Baz, Rajendra Acharya, Andrew F. Laine, Jasjit S. Suri, Springer New York, pp. 1-39, 2011  
Url: [http://dx.doi.org/10.1007/978-1-4419-8204-9\\_1](http://dx.doi.org/10.1007/978-1-4419-8204-9_1)  
Type: Book Chapter
- 2- Fahmi Khalifa, Garth M. Beache, Georgy Gimel'farb, Jasjit S. Suri and Ayman S. El-Baz, "State-of-the-Art Medical Image Registration Methodologies: A Survey," in Multi modality state-of-the-art medical image segmentation and registration methodologies, Editors Ayman S. El-Baz, Rajendra Acharya, Andrew F. Laine, Jasjit S. Suri, Springer New York, pp. 235-280, 2011  
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**10- (Citations: 1 book chapter)**

**S.E. Yuksel, "Image Processing Methods for the detection of acute rejection after kidney transplantation, Master Thesis, University of Louisville, KY, USA, December 2005.**

- 1- Aslan, Melih S., Hossam Abd El Munim, Aly A. Farag and Mohamed Abou El-Ghar. "Assessment of Kidney Function Using Dynamic Contrast Enhanced MRI Techniques." In *Biomedical Image Analysis and Machine Learning Technologies: Applications and Techniques*, ed. Fabio A. Gonzalez and Eduardo Romero, 214-233 (2010), accessed January 17, 2012.  
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