

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF MEDICINE

Curriculum Vitae (Updated 3/18/2017)

Name: Yubing Tong

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Education:

1995-1999 B. Engg. Industrial automatic system - Shandong Jianzhu University, China.
1999-2002 M.S. Pattern recognition & intelligent system - Wuyi University, China.
2002-2006 Ph.D. Communication & information system - Beihang University, China.

Appointments:

- 2006-08 Video software engineer, project manager, Department of multimedia techniques, Arcsoft Inc. Shanghai, China.
- 2009-10 Postdoctoral researcher, Color Imaging Group, Hubert Curien Lab, Université Jean Monnet/Université de Lyon, ST Etienne, France.
- 2010-11 Postdoctoral researcher, Multimedia Information Modeling and Retrieval Group, Laboratoire d'Informatique de Grenoble (LIG) / Centre National de la Recherche Scientifique, Grenoble (CNRS - The French National Centre for Scientific Research), France.
- 2011-16 Postdoctoral research fellow, Medical Image Processing Group (MIPG), Department of Radiology, University of Pennsylvania, U.S.A.
- 2016- Research Associate, Medical Image Processing Group (MIPG), Department of Radiology, University of Pennsylvania, U.S.A.

Memberships in Professional and Scientific Societies:

Member, American Association of Physicist in Medicine
Member, Institute of Electrical and Electronic Engineers

Member, Sigma Xi

Certificate: Yubing Tong, Automated Anatomy Recognition (AAR) team
For completing all requirements of the Innovation Corps (I-Corps) Program,
The University of Pennsylvania Innovation Site, National Science Foundation,
Summer 2015.
--Corps program at Penn is supported by Penn Wharton School, Medicine
School, Law School and Penn Center of Innovation as well as Ben Franklin
Technology Partners of SE PA and Wharton Entrepreneurship.
(<http://pci.upenn.edu/icorps/>)

Editorial Positions:

- 2014- Guest Editor for international Journal IC-MED, Intelligent Computing in Medical
Sciences & Image Processing
- 2015- Editor for MAYFEB Journal of Computer science

Program Committee Member for International Conferences:

- IEEE International Conference on Computer Vision Theory and Applications
(2017/2016/2015/2014)
- IEEE International Conference on Systems, Man, and Cybernetics 2017/2014
- IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016)
- 9th International Forum on Multimedia Image Processing /World Automation Congress
2014
- International Conference on Emerging Trends in Engineering & Technology 2012

Reviewer for Journals:

- IEEE Transactions on Signal Processing
- IEEE Transactions on Image Processing
- IEEE Transactions on Medical Imaging
- IEEE Transactions on Multimedia
- IEEE Transactions on Circuits and Systems for Video Technology
- IEEE Transactions on Broadcasting
- Medical Image Analysis
- Medical Physics
- Journal of Computer Vision and Image Understanding
- Journal of Pattern Recognition Research
- Computerized Medical Imaging and Graphics
- EURASIP: signal image and video processing
- Autosoft Journal (ISAC Journal)
- Computing and Informatics journal

Neural Computing and Applications (NCAA)
Elsevier/ Signal Processing: Image Communication
International Journal of Advanced Robotic Systems
International Journal of Image and Graphics
International Journal of Biomedical Imaging
International Journal of Innovative Computing, Information and Control
“Zeitschrift für Medizinische Physik” (Z MED PHYS), an official organ of the
German and Austrian Society of Medical Physic and the Swiss Society of
Radiobiology and Medical Physics

Reviewer for Conferences:

IEEE International Conference on Computer Vision Theory and Applications
(2017/2016/2015/2014)

Medical Image Computing and Computer Assisted Interventions (MICCAI
2017/2016/2015)

IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC
2017/2016/2015/2014/2013)

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016/2015)

The IEEE International Symposium on Broadband Multimedia Systems and
Broadcasting (BMSB 2016/2015)

The 5th International Conference on Biomedical Engineering and Biotechnology
(ICBEB 2016)

The 5th International Conference on Electronics, Communications and Networks
(2015)

Patents:

1. Jayaram K. Udupa, Dewey Odhner, Yubing Tong and Drew A.Torigian. “An interactive method for standardization and non-uniformity correction of MR image intensities,” United States Patent, Pub. No.: US2016/0284071 A1, **Pub. Date:** Sep. 29, 2016.
2. Jayaram K. Udupa, Dewey Odhner, Yubing Tong and Drew A.Torigian. “Automatic localization of body-wide lymph node stations in medical images using fuzzy models,” (PENN reference 15-7410, 2015) US Patent, submitted.
3. Jayaram K. Udupa, Dewey Odhner, Drew A.Torigian and Yubing Tong: “Applications of anatomy recognition in medical tomographic imagery based on fuzzy anatomy models,” International Patent, Publication Number: WO 2015/175806 A1, **Pub. Date:** Nov. 19, 2015.

Project experience:

1. NIH 1R21HL124462-01A1 PI / Project Leader: Jayaram K Udupa
Title: DYNAMIC MRI IMAGE ANALYSIS FOR STUDYING THORACIC INSUFFICIENCY SYNDROME
Time: 9/2015 – 9/2017
Role: key program & algorithm developer with publications on 4D MR image construction; 4D lung segmentation approach
2. NSF STTR #1549509 PI / Project Leader: Joseph Camaratta, Jayaram K Udupa
STTR Phase I: Automated object contouring methods and software for head and neck radiotherapy planning
Time: 1/15/2016-12/31/2016
Role: key algorithm developer with publications on AAR techniques on upper airway, 4D image segmentation
3. NIH 5R01HL105212-04 PI / Project Leader: Raanan Arens and Jayaram K Udupa
Title: A STRUCTURAL & FUNCTIONAL STUDY OF THE UPPER AIRWAY IN ADOLESCENT GIRLS WITH PCOS
Role: key image segmentation algorithm development on image processing and segmentation approaches with publication of 4D IRFC for upper airway segmentation
4. NIH 4R01HL114626-04, PI: LEDERER, DAVID J.
Title: OBESITY, INFLAMMATION, AND LUNG INJURY AFTER LUNG TRANSPLANTATION
Role: Key development on fat quantification approach with publications on abdomen and chest fat quantification
5. NIH 5R01HL087115-07, PI: CHRISTIE, JASON D
Title: CLINICAL RISK FACTORS FOR PRIMARY GRAFT DYSFUNCTION
Role: Key development on fat quantification approach with publications on chest fat segmentation and quantification

Journal Papers:

1. **Yubing Tong**, Jayaram K. Udupa, Krzysztof C. Ciesielski, Joseph M. McDonough, David A. Mong, Robert M. Campbell Jr. Retrospective 4D MR Image Construction from Free-Breathing Slice Acquisitions: A Novel Graph-Based Approach. (Accepted, Medical Image Analysis, 2017).
2. Lidong Huang, **Yubing Tong**, Wei Zhao. An entropy minimization histogram merging scheme and its application in image compression. Journal of Visual Communication and Image Representation. (Accepted, 2017)
3. Torigian DA, Green-McKenzie J, Liu X, Shofer FS, Werner T, Smith CE, Strasser AA, Moghbel MC, Parekh AH, Choi G, Goncalves MD, Spaccarelli N, Gholami S, Kumar PS, **Tong Y**, Udupa JK, Mesaros C, Alavi A. A study of the feasibility of FDG-PET/CT to systematically detect and quantify differential metabolic effects of chronic tobacco use in organs of the whole body – a prospective pilot study. Acad Radiol (in press, 2017).
4. **Yubing Tong**, Jayaram K. Udupa, Drew A. Torigian, Dewey Odhner, Caiyun Wu, Scott Palmer, Anna Rozenshtein, Melissa A Shirk, John D Newell, Mary Porteous, Joshua

- M. Diamond, Jason D Christie, David J Lederer. Chest fat quantification via CT based on standardized anatomy space in adult lung transplant candidates. (2016, PLOS one, **Accepted**).
5. **Yubing Tong**, Jayaram K.Udupa. A novel minimally interactive fuzzy connectedness based segmentation approach of dynamic upper airway MR images. *Medical Physics*, 2016 (Accepted).
 6. **Yubing Tong**, Jayaram K. Udupa, Sanghun Sin, Drew A. Torigian, Raanan Arens. MR image analysis of upper airway architecture in children with OSAS. (2016, PLOS one, Accepted).
 7. Kaiqiong Sun, Jayaram K Udupa, D.Odhner, **Yubing Tong**. Automatic thoracic anatomy segmentation at CT using hierarchical fuzzy models and registration. *Medical Physics*, 2016 (Accepted).
 8. Monica. M.S. Matsumoto, Jayaram K.Udupa, **Yubing Tong**, Babak Saboury, Drew A. Torigian. Quantitative Normal Thoracic Anatomy at CT for Building Population Object Models, *Journal of Computerized Medical Imaging and Graphics*, 2016 (Accepted).
 9. Huiqian Wang, Jayaram K. Udupa, Dewey Odhner, **Yubing Tong**, Liming Zhao, Drew A. Torigian. Automatic Anatomy Recognition in Whole-Body PET/CT Images. *Medical Physics* 43(1), 613-629, 2016.
 10. Tiange Liu, Qiguang Miao, Pengfei Xu, **Yubing Tong**, Jianfeng Song, Ge Xia, Yun Yang and Xiaojie Zhai. A Contour-Line Color Layer Separation Algorithm Based on Fuzzy Clustering and Region Growing. *Computers & Geosciences*, Vol. 88: 41-53, 2016.
 11. Michael G Mauk, Jinzhao Song, **Yubing Tong**, Haim H Bau and Changchun Liu. Translating Nucleic Acid Amplification Assays to the Microscale: Lab on a Chip for Point-of-Care Molecular Diagnostics. *Current Analytical Chemistry*, Vol. 12: 1-11, 2016.
 12. Jayaram K. Udupa, Dewey Odhner, Liming Zhao, **Yubing Tong**, Monica M.S. Matsumoto, Krzysztof C. Ciesielski, Alexandre X. Falcao, Pavithra Vaideeswaran, Victoria Ciesielski, Babak Saboury, Syedmehrdad Mohammadianrasanani, Sanghun Sin, Raanan Arens, Drew A. Torigian. Body-Wide Hierarchical Fuzzy Modeling, Recognition and Delineation of Anatomy in Medical Images. *Medical Image Analysis*, vol. 18, 752-771, 2014.
 13. **Yubing Tong**, Jayaram K. Udupa, Drew Torigian. Optimization of abdominal fat quantification on CT imaging through use of standardized anatomic space-A novel approach. *Medical Physics*, vol. 41(6):0635011-11, 2014.
 14. Robert M. Campbell, Jayaram K. Udupa, Jack Flynn, Hank Mayer, Michael Nance, Howard Panitch, Wei-Hsun Wang, **Yubing Tong**, Kieth Baldwin, Joseph McDonough, Andrew Mong. The Etiology of Thoracic Insufficiency Syndrome in Neuromuscular Scoliosis Based on Quantitative Dynamic Lung MRI (QdMRI). *Spine Deformity*, vol. 2(6): 505-506, 2014.
 15. **Yubing Tong**, Faouzi Alaya Cheikh, Fahad Fazal Elahi Guraya, Hubert Konik and Alain Tremeau. A Spatiotemporal Saliency Model for Video Surveillance. *Journal of Cognitive Computing*, Springer, vol. 3(1): 241-263, 2011.

16. **Yubing Tong**, Faouzi Alaya Cheikh, Hubert Konik and Alain Tremeau. Full reference image quality assessment based on saliency map analysis. *International Journal of Imaging Science and Technology*, vol. 54(3):030503-030514, 2010.
17. Wenrui Ding, **Yubing Tong** and Qishan Zhang. Image and Video Quality Assessment Using Neural Network and SVM. *Tsinghua Science and Technology*, vol. 16(1): 112-116, 2008.
18. **Yubing Tong**, Qishan Zhang. Image Quality Assessing Model Based on PSNR and SSIM. *Journal of Image & Graphics*, vol. 11(12): 1758-1763, 2006.
19. **Yubing Tong**, Weiwei Hu, Dongkai Yang and Qishan Zhang. Review of Video Quality Assessment Methods. *Journal of CAD & Computer Graphics*, vol. 18(5): 1-7, 2006.
20. **Yubing Tong**, Dongkai Yang, Qishan Zhang. Wavelet Kernel Support Vector Machines for Sparse Approximation. *Journal of Electronics (Springer)*, vol. 23(4): 539-542, 2006.
21. Qing Chang, **Yubing Tong** and Qishan Zhang. Video quality assessing model based on single image quality with different weights, *Journal of Beijing University of Aeronautics and Astronautics*, 2007.33(3).
22. **Tong Yubing**, Chang Qing, Zhang Qishan. H.264 inter-frame sub-block mode and intra-frame mode selection algorithm based on statistic threshold, *Optics and Electronics Engineering*, 2007.4. 133-136.
23. **Tong Yubing**, Chang Qing, Zhang Qishan. Fast fingerprint classification algorithm based on oriented radial and generalized nonsymmetrical features. *Computer Applications*, 2005.Vo.25.No.6, 1307-1309.
24. **Y.B. Tong**, Q.S.Zhang. Design of USB Fingerprint Capturing Device, *Semiconductor and Optics & Electronics*, 2004.Vo.25.No.1, 76-78.
25. **Yubing Tong**, Qing Chang, Qishan Zhang, Patterns of SVM in Digital Watermarking, *Application Research of Computers*, 2005.Vo.22.No.3, 147-149.
26. **Yubing Tong**, Qing Chang, Qishan Zhang, Document Image Compressing Algorithm Based on Image Content Analyzed and Features Extracted, *Radio Engineering of China*, 2004, Vol.34, No.11, 8-10.
27. **Y.B. Tong**, Q.Chang, Q.S.Zhang. Embedded System of CCD Video & Image Capturing, *Optics and Electronics Engineering*, 2004.12.Vol.31, 133-136.
28. Yuan Xiaoyu, **Tong Yubing**. PKI Architecture in Fingerprint Identification Application, *Information Security and Communication Secrecy*, 2004.11, 37-39.
29. **Tong Yubing**, Wu Jinpei. Fuzzy Control of Household Washing Machines Based on Frequency Conversion Technology. *Journal of Wuyi University*, 2002.Vol.16.No.2, 52-57.
30. **Tong Yubing**, Wu Jinpei. Fuzzy Control and Frequency Conversion Technique in Washing Machine Based on MC68332 Single chip. *Computer Measurement & Control*, 2002, Vol.10.No.10, 664-667.

Conference Papers:

1. **Yubing Tong**, Jayaram K. Udupa, et al. Interactive iterative relative fuzzy connectedness lung segmentation on thoracic 4D dynamic MR images. *SPIE Medical Imaging 2017 (Accepted)*.

2. **Yubing Tong**, Jayaram K. Udupa, et al. Virtual landmarks. SPIE Medical Imaging 2017 (Accepted).
3. **Yubing Tong**, Jayaram K. Udupa, et al. Disease quantification on PET/CT images without object delineation. SPIE Medical Imaging 2017 (Accepted).
4. Peirui Bai, Jayaram K. Udupa, **Yubing Tong** et al. Automatic thoracic body region localization. SPIE Medical Imaging 2017 (Accepted).
5. Shipeng Xie, Peirui Bai, **Yubing Tong** et al. Blind deconvolution combined with level set method for correcting cupping artifacts in cone beam CT. SPIE Medical Imaging 2017 (Accepted).
6. **Y.B. Tong**, J. K. Udupa, C.Y. Wu, G. Pednekar, J. R. Subramanian, D. J. Lederer, J. Christie, D. A. Torigian. Fat segmentation on chest CT images via fuzzy models, SPIE 2016, Medical Imaging. (Accepted).
7. **Y.B. Tong**, J. K. Udupa, C.Y. Wu, G. Pednekar, J. R. Subramanian, D. A. Torigian, D. J. Lederer, J. Christie. Fat quantification and analysis of lung transplant patients on unenhanced chest CT images based on standardized anatomic space, SPIE 2016, Medical Imaging. (Accepted).
8. Lidong Huang, Jayaram K. Udupa, **Yubing Tong**, Drew. A. Torigian. Automatic anatomy recognition on CT images with pathology, SPIE 2016, Medical Imaging. (Accepted).
9. Li Cao, Jayaram K. Udupa, Dewey Odhner, Lidong Huang, **Yubing Tong**, Drew A. Torigian. A general approach to liver lesion segmentation in CT images, SPIE 2016, Medical Imaging. (Accepted).
10. Yu Liu, Jayaram K. Udupa, Dewey Odhner, **Yubing Tong**, Drew A. Torigian. Definition and automatic anatomy recognition of lymph node zones in the abdomen and pelvis on CT images, SPIE 2016, Medical Imaging. (Accepted).
11. Yihua Song, Jayaram K. Udupa, Dewey Odhner, **Yubing Tong**, Drew A. Torigian. Lymph node detection in IASLC-defined zones on PET/CT images, SPIE 2016, Medical Imaging. (Accepted).
12. **Yubing Tong**, Jayaram K. Udupa, et al. Automatic anatomy recognition in post-tonsillectomy MR images of obese children with OSAS. Proceeding of SPIE, Medical Imaging, Vol 9414, 94140Z1-6, 2015.
13. **Yubing Tong**, Jayaram K. Udupa, et al. Interactive non-uniformity correction and intensity standardization of MR images. Proceeding of SPIE, Medical Imaging, Vol 9415, 94111N1-6, 2015.
14. **Yubing Tong**, Jayaram, K. Udupa, et al. MR image analysis of upper airway architecture in children with OSAS. Proceeding of SPIE, Medical Imaging, Vol 9417, 94172J1-6, 2015.
15. Liming Zhao, Jayaram K. Udupa, **Yubing Tong**, et al. Automatic anatomy recognition of sparse objects. Proceeding of SPIE, Medical Imaging, Vol 9413, 94133N1-6, 2015.
16. Huiqian Wang, Jayaram K. Udupa, **Yubing Tong**, et al. Automatic anatomy recognition in PET/CT Images. Proceeding of SPIE, Medical Imaging, Vol 9415, 9415181-6, 2015.

17. **Yubing Tong**, Jayaram K. Udupa, et al. A novel non-registration based segmentation approach of 4D dynamic upper airway MR images: minimally interactive fuzzy connectedness. Proceeding of SPIE, Medical Imaging, Vol 9038, 90380Z1-7, 2014.
18. **Yubing Tong**, Jayaram K. Udupa, et al. Standardized anatomic space for abdominal fat quantification. Proceeding of SPIE, Medical Imaging, Vol 9304, 90343D1-7, 2014.
19. **Yubing Tong**, Jayaram K. Udupa, et al. Graph-based retrospective 4D image construction from free-breathing MRI slice acquisitions. Proceeding of SPIE, Medical Imaging, Vol 9038, 90380I1-7, 2014.
20. Kaiqiong Sun, Jayaram K. Udupa, Dewey Odhner and **Yubing Tong**. Automatic thoracic anatomy segmentation at CT using hierarchical fuzzy models and registration. Proceeding of SPIE, Medical Imaging, Vol.9036, 90361P1-8, 2014.
21. **Yubing Tong**, Jayaram K. Udupa, et al. Abdominal Adiposity Quantification at MRI via Fuzzy Model-Based Anatomy Recognition, Proceeding of SPIE, Medical Imaging, Vol.8672, 8672R1-7, 2013
22. **Yubing Tong**, Jayaram K. Udupa, et al. Recognition of Upper Airway and Surrounding Structures at MRI in Pediatric PCOS and OSAS, Proceeding of SPIE, Medical Imaging, Vol.8670, 86702S1-7, 2013.
23. Jayaram K. Udupa, O. Dewey and **Yubing Tong**. Fuzzy-Model-Based Body-wide Anatomy Recognition in Medical Images. Proceeding of SPIE, Medical Imaging, Vol.8671, 86712B1-7, 2013.
24. Bahjat Safadi, **Yubing Tong** and Georges Quénot. Incremental learning for active learning based Multi-learners for image indexing. MMM'2011: Proceedings of the 17th international conference on Advances in multimedia modeling, Volume Part I/ LNCS Springer, Volume 6523, 240-250, 2011.
25. **Yubing Tong**, Bahjat Safadi, Georges Quénot. Incremental Multi-Classifer Learning Algorithm on Grid5000 for Large Scale Image Annotation. MM'10/VLS-MCMR'10: Proceedings of the international workshop on Very-large-scale multimedia corpus, mining and retrieval, 1-6, 2010.
26. David Gorisse, Frédéric Precioso, Philippe-Henri Gosselin, Lionel Granjon, Denis Pellerin, Michele Rombaut, Hervé Bredin, Lionel Koenig, Rémi Vieux, Boris Mansencal, Jenny Benois-Pineau, Hugo Boujut, Claire Morand, Hervé Jégou, Stéphane Ayache, Bahjat Safadi, **Yubing Tong**, Franck Thollard, Georges Quénot, Matthieu Cord, Alexandre Benoît, Patrick Lambert. IRIM at TRECVID 2010: semantic indexing and instance search. TREC Video Retrieval Evaluation Online Proceedings (TRECVID), 2010.
27. David Gorisse, Frédéric Precioso, Philippe Gosselin, Lionel Granjon, Denis Pellerin, Michèle Rombaut, Hervé Bredin, Lionel Koenig, Hélène Lachambre, Elie El Khoury, Rémi Vieux, Boris Mansencal, Yifan Zhou, Jenny Benois-Pineau, Hervé Jégou, Stéphane Ayache, Bahjat Safadi, **Yubing Tong**, Franck Thollard, Georges Quénot, Alexandre Benoît, Patrick Lambert. IRIM at TRECVID 2010: High Level Feature Extraction and Instance Search. TREC Video Retrieval Evaluation Online Proceedings (TRECVID), 2010.

28. **Yubing Tong**, Hubert Konik and Alain Tremeau. Color Face-Tuned Saliency detection For Image Quality Assessment, EUVIP 2010, 253-260, 2010.
29. Fahad Fazal Elahi Guraya, Faouzi Alaya Cheikh, Alain Tremeau, Yubing Tong and Hubert Konik. Predictive Saliency Maps for Surveillance Videos. Ninth International Symposium on Distributed Computing and Applications to Business Engineering and Science (DCABES), 508-513, 2010.
30. **Yubing Tong**, Hubert Konik, Faouzi Alaya Cheikh, Fahad Fazal Elahi Guraya and Alain Tremeau. Multi-Feature based visual saliency detection in surveillance video, Processing of SPIE , Video Communication and Image Processing, Vol. 7744, 7744041-7744049, 2010. (**Invited paper**).
31. Fahad Fazal Elahi Guraya, Ali Shariq Imran, **Yubing Tong**, Faouzi Alaya Cheikh. A Non-reference Quality Metric Based on Visual Attention Model for Videos, ISSPA, 10-13, 2010.
32. **Yubing Tong**, Qing Chang and Qishan Zhang. Image Quality Assessing by Using Neural Network and Support Vector Machines. The 5th IEEE International Conference on Machine Learning and Cybernetics, Dalian, China, Vol7:3987-3990, 2006.
33. Dongkai Yang, **Yubing Tong** and Qishan Zhang. Sparse Approximation Based on Wavelet Kernel SVM, Proceeding of the 4th International Conference on Machine Learning and Cybernetics, IEEE, Guangzhou, 2005.8, 4249-4253.

Presentations:

1. Yubing Tong. "Virtual landmarks and its application in body region localization" MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, May.11, 2017.
2. Yubing Tong. "Disease quantification without exploration of delineation" Medical Imaging, SPIE 2017, Orlando, Florida. Feb.13, 2017.
3. Yubing Tong. "Interactive IRFC based lung segmentation at 4D dynamic thoracic MR images," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, Nov.17, 2016.
4. Yubing Tong. "*Interactive Non-uniformity Correction and Intensity Standardization of MR Images*," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, April 28, 2016.
5. Yubing Tong. "Fat segmentation on chest CT images via Fuzzy models," San Diego, California, Feb. 28, 2016.
6. Yubing Tong. "Fat quantification and analysis of lung transplant patients on unenhanced chest CT images based on standardized anatomic space," San Diego, California, March 3, 2016.
7. Yubing Tong. "Automatic anatomy recognition on CT images with pathology" San Diego, California, March 2, 2016.
8. Yubing Tong. "Lymph node detection in IASLC-defined zones on PET/CT images," San Diego, California, March 1st, 2016.
9. Yubing Tong. "Fat quantification and analysis of lung transplant patients on unenhanced chest CT images based on standardized anatomic space," MIPG, Department of

- Radiology, University of Pennsylvania, Philadelphia, PA, Nov.12, 2015.
10. Yubing Tong. "AAR Based multiple object segmentation at Neck MRI/CT image of Obese Children with OSAS," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, Mar.20, 2015.
 11. Yubing Tong. "Automatic anatomy recognition in post-tonsillectomy MR images of obese children with OSAS," Medical Imaging, SPIE 2015, Orlando, Florida. Feb.24, 2015.
 12. Yubing Tong. "Automatic anatomy recognition in PET/CT Images," Medical Imaging, SPIE 2015, Orlando, Florida. Feb.23, 2015.
 13. Yubing Tong, "4D Dynamic MR Image Construction and Quantification in Young Children with Thoracic Insufficiency Syndrome," 13th Annual Biomedical Postdoc Research Symposium, BRB II/III, University of Pennsylvania, Philadelphia, PA, Nov. 18, 2014.
 14. Yubing Tong, "Optimization of abdominal fat quantification on CT imaging through use of standardized anatomic space-A novel approach," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, Nov.7, 2014.
 15. Yubing Tong, "A Novel Non-Registration Based Segmentation Approach for 4D Dynamic Upper Airway MR Images: Minimally Interactive Fuzzy Connectedness," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA. Feb.28, 2014.
 16. Yubing Tong, "A Novel Non-Registration Based Segmentation Approach for 4D Dynamic Upper Airway MR Images: Minimally Interactive Fuzzy Connectedness," SPIE2014; San Diego, California. , Feb.17, 2014.
 17. Yubing Tong, "Optimal 4D image construction from free breathing MRI acquisitions", SPIE2014; San Diego, California. Feb.16, 2014.
 18. Yubing Tong, "Recognition of Upper Airway and Surrounding Structures at MRI in Pediatric PCOS and OSAS," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, May 17, 2013.
 19. Yubing Tong, "Principle and Algorithm for Hierarchical Object Deformation and Registration," MIPG, Department of Radiology, University of Pennsylvania, Philadelphia, PA, Nov.11, 2011.
 20. Yubing Tong. "An incremental active learning image annotation algorithm based on multiple classifiers," LIG -Laboratoire Informatique de Grenoble, Grenoble, France, Dec.5, 2010.
 21. Yubing Tong, "Incremental Multi-Classifer Learning Algorithm on Grid5000 for Large Scale Image Annotation," MM'10/VLS-MCMR'10: International workshop on Very-large-scale multimedia corpus, mining and retrieval, Firenze, Italy, Oct.25, 2010.

Recommenders:

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