Personal details

Full name	Title	First name	Second name(s)		Family name
	Ph.D	*Akinobu*			*Shimizu*

Present position	Professor
Organisation/Employer	Tokyo university of agriculture and technology
Contact Address	2-24-16 Naka-cho Koganei

Contact Address	Tokyo		
	Japan	**Post code**	184-8588

Work telephone	+81-42-388-7478	**Mobile**	
Email	simiz@cc.tuat.ac.jp		
Personal website (if applicable)	https://web.tuat.ac.jp/~simizlab/en/		

Academic qualifications

1995: Ph.D, Graduate School of Engineering, Nagoya University
1991: MSc, Graduate School of Engineering, Nagoya University
1989: BSc, Department of Engineering, Nagoya University

Professional positions held

April 1994 - Sep 1998 : Research Associate, Nagoya University
Oct 1998 – April 2014 : Associate Professor, Tokyo university of agriculture and technology
May 2014 – present : Professor, Tokyo university of agriculture and technology

Present research/professional speciality

Prof. Shimizu's research interests include medical image analysis of embryo, adult and cadaver. As of 2022 he has published 92 peer-reviewed research papers in journals, 10 book chapters and 117 international conferences, including those published in top medical imaging journals (*Medical Image Analysis, IEEE Transaction on Medical Imaging*).

Total years research experience	31years

Professional distinctions and memberships (including honours, prizes, scholarships, boards or governance roles, etc)

Prizes, Grant-in-Aid and Collaborative Research:
2021: Collaborative Research with Eli Lilly Japan : JPY1,100k (PI)
2021: Collaborative Research with Nihon Medi-Physics: JPY6,923k (PI)
2019: Grant-in-Aid for Scientific Research (B): JPY13,200k (PI)
2017: Best oral presentation award at IFMIA2017
2015: Best paper award at IFMIA2015
2014: Grant-in-Aid for Scientific Research on Innovative Areas: JPY78,800k (PI)
2012: Poster award at IFMIA2012
2011: Grant-in-Aid for Scientific Research (C): JPY3,400k (PI)
2011: Collaborative Research with CANON: JPY1,300k (PI)
2009: Grant-in-Aid for Scientific Research on Innovative Areas: JPY68,400k (PI)
2009: Poster award in IFMIA2009
2008: Collaborative Research with CANON: JPY9,100k (PI)
2008: 1st Prize: 3D segmentation in the clinic: a grand challenge -in conjunction with MICCAI
2004: Poster Award (1stPrize) at 18th International Congress and Exhibition CARS2004

Recent invited talks:

2016: Statistical Shape Model for Medical Image Understanding; Foundations and Applications. Biosips 2016 (Tokyo Univ. of Agri. And Tech., Japan)
2015: Segmentation of Organs with Atypical Shapes and/or Large Pathological Lesions from Medical Volume. MCBMIIA 2015 (University of Auckland, New Zealand)
2011: 3D Medical Image Processing Algorithm Competition in Japan, IFMIA2011 (Okinawa, Japan)
2009: Medical Image Processing Competition in Japan, World Congress on Medical Physics and Biomedical Engineering (Munich, German)

Recent activities in academic societies:
2017, 2019, 2021: International Journal of Computer Assisted Radiology and Surgery, Special Issue, Guest editor
2018: International Congress and Exhibition, Computer Assisted Radiology and Surgery, Congress Organizing Committee
2017: International Forum on Medical Imaging in Asia, General Chair
2007-2017: International Congress and Exhibition, Computer Assisted Radiology and Surgery, Program Committee
2013: MICCAI 2013 Workshops, Tutorials and Challenges, Co-Chairs
2012: MICCAI 2012 Workshops, Tutorials and Challenges, Co-Chairs

Total number of *peer reviewed* publications and patents	Journal articles	Books	Book chapters, books edited	Conference proceedings	Patents
	92		10	117	9

Recent papers (selected)

1. Atsushi Saito, Shigeru Nawano and Akinobu Shimizu : Joint optimization of segmentation and shape prior from level-set-based statistical shape model, and its application to the automated segmentation of abdominal organs, Medical Image Analysis , vol.28, pp.46-65, 2016 DOI: http://dx.doi.org/10.1016/j.media.2015.11.003

2. Shouhei Hanaoka, Akinobu Shimizu, Mitsutaka Nemoto, Yukihiro Nomura, Soichiro Miki, Takeharu Yoshikawa, Naoto Hayashi, Kuni Ohtomo, Yoshitaka Masutani : Automatic detection of over 100 anatomical landmarks in medical CT images: a framework with independent detectors and combinatorial optimization, Medical Image Analysis, 35, pp.192–214, 2017 doi:10.1016/j.media.2016.04.001

3. Atsushi Saito, Seiji Yamamoto, Shigeru Nawano, Akinobu Shimizu : Automated liver segmentation from a postmortem CT scan based on a statistical shape model, International Journal of Computer Assisted Radiology and Surgery, 2016   doi: 10.1007%2Fs11548-016-1481-5

4. Shouhei Hanaoka, Yoshitaka Masutani, Mitsutaka Nemoto, Yukihiro Nomura, Soichiro Miki, Takeharu Yoshikawa, Naoto Hayashi, Kuni Ohtomo, Akinobu Shimizu : Landmark-guided diffeomorphic demons algorithm and its application to automatic segmentation of the whole spine and pelvis in CT images, International Journal of Computer Assisted Radiology and Surgery, 2017, DOI: 10.1007/s11548-016-1507-z

5. Atsushi Saito, Masaki Tsujikawa, Tetsuya Takakuwa, Shigehito Yamada, Akinobu Shimizu : Level set distribution model of nested structures using logarithmic transformation, Medical Image Analysis, 2019 https://doi.org/10.1016/j.media.2019.05.003