



Shigao Chen

Elastography Interest Group

United States

Education and Present Position

2013- Associate Professor, Mayo Clinic College of Medicine, Rochester, MN

2006-2013 Assistant Professor, Mayo Clinic College of Medicine, Rochester, MN

2002-2006 Research Fellow, Mayo Clinic College of Medicine, Rochester, MN

1997-2002 Mayo Graduate School, Rochester, Biomedical Sciences - Biomedical Imaging,
Ph.D.

1990-1997 Tsinghua University, China, Biomedical Engineering, B.S., and M.S.

Committee Services and Honors

2012- Member, QIBA Ultrasound Shear Wave Speed Committee of Radiological Society
of North America

2016- Member, AIUM/QIBA Ultrasound Volume Blood Flow Biomarker Committee

2013-2016 Member, Technical Standards Committee of AIUM (American Institute of
Ultrasound in Medicine)

2016-2019 Vice Chair, Technical Standards Committee of AIUM (American Institute of
Ultrasound in Medicine)

2014-2017 Member, Bioeffects Committee of AIUM (American Institute of Ultrasound in
Medicine)

2014-2016 Secretary, Elastography Interest Group of AIUM (American Institute of
Ultrasound in Medicine)

2015- Elected Fellow, American Institute of Ultrasound in Medicine

2016-2018 Vice Chair, Elastography Interest Group of AIUM (American Institute of
Ultrasound in Medicine)



Grant Peer-Review

- 2013 French National Research Agency 2013 review process
- 2014 New Zealand Ministry of Business 2014 Science Investment Round
- 2014 National Institute of Health (NIH) Biomedical Imaging Technology (BMIT) study section 2014/10 BMIT-B
- 2015 National Institute of Health (NIH) Special Emphasis Panel/Scientific Review Group 2015/05 ZRG1 DTCS-A (81) S
- 2015 NIHSBIB Clinical Pediatric and Fetal Applications/Scientific Review Group 2015/10 ZRG1 SBIB-V (82) S
- 2015 National Institute of Health (NIH) Special Emphasis Panel/Scientific Review Group 2015/10 ZCA1 SRB-J (O1) S
- 2015 Natural Sciences and Engineering Research Council of Canada (NSERC) 2015 Discovery Grants
- 2016 Research Foundation - Flanders (FWO, Belgium) 2016 grant review process

Dr. Shigao Chen obtained his PhD degree in 2002 from Mayo Graduate School in Rochester Minnesota. An Associate Professor at Mayo Clinic College of Medicine with over 65 peer-reviewed articles, he has been working in the field of ultrasound shear wave elasticity imaging for over 15 years. The Comb-push Ultrasound Shear Elastography (CUSE) technology developed by Dr. Chen and colleagues has been licensed by leading ultrasound companies, implemented on clinical scanners, and used around the world to benefit patients. As a research scientist at Radiology department, Dr. Chen has served as Principal Investigator of 3 NIH R01s and 9 additional grants, and co-investigator of 5 NIH R01s. He is an elected Fellow of American Institute of Ultrasound in Medicine (AIUM) and Vice Chairs of AIUM's Technical Standard Committee and Elastography Community. Dr. Chen also serves on the Bioeffect Committee of AIUM and the QIBA Ultrasound Shear Wave Speed Biomarker Committee of Radiological Society of North America. He has served on the editorial boards of 5 journals and reviewed grants for NIH, France, Belgium, Canada, and New Zealand. Dr. Chen is dedicated to translational research that develops innovative technologies to address important unmet clinical needs. His current research interest includes ultra-sensitive Doppler for micro-flow imaging and contrast enhanced ultrasound imaging.