

Michel Versluis



Personal information

Last name: Versluis
Full names: Andreas Michael
Date of birth: 6 September 1963

Work address

Physics of Fluids group, University of Twente
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Education

1985 Bachelor degree in Physics, University of Nijmegen
1985 Bachelor degree in Astronomy, University of Nijmegen
1988 Master degree in Physics and Astrophysics, University of Nijmegen
1992 PhD Doctorate in Science, University of Nijmegen

Research interests

My research interests lie in the area of physical and medical acoustics. I am particularly interested in the use of microbubbles and microdroplets for medical applications, both in imaging and in therapy, and in the physics and control of bubbles and droplets in microfluidic applications for medicine and for nanotechnology industry.

PhySH research areas

optics, acoustics, fluid dynamics, ultrasonics, soft matter, imaging, therapeutics, drops and bubbles, interfacial physics, microfluidics, medical physics.

Distinction

Fellow of the Acoustical Society of America.

Professional experience

since 2013

Full Professor in the Physics of Fluids group at University of Twente.
Chair Physical and Medical Acoustics.

2017–2019

Chair (a.i.) Multimodality Medical Imaging M3i at University of Twente.

2006–2012

Associate Professor at University of Twente, the Netherlands.
Medical ultrasound and microfluidics.

1999–2006

Assistant Professor at University of Twente, the Netherlands.
Two-phase flows, granular flows, bubbles in ultrasound, and microfluidics.

1996–1999

Research Fellow at Delft University of Technology, the Netherlands.
Turbulent jet diffusion flames and solid rocket propellants.

1994–1996

Research Fellow at Lund Institute of Technology, Sweden.
Internal combustion engines and flame diagnostics.

1992–1994

Research Fellow at Griffith University, Brisbane, Australia.
Molecular beam spectroscopy of vanderWaals complexes.

1988–1992

PhD student at the University of Nijmegen, the Netherlands.
Combustion diagnostics with tunable excimer lasers.

Professional memberships

Member of the American Physical Society/ Division of Fluid Dynamics.
Member of the Acoustical Society of America/Biomedical Acoustics.
Member of the Acoustical Society of America/Physical Acoustics.
Member of the IEEE Society of Ultrasonics, Ferroelectrics and Frequency Control.
Member of the Dutch Society for Medical Ultrasound.
Member of the European Federation of Societies for Ultrasound in Medicine and Biology.
Member of the World Federation for Ultrasound in Medicine and Biology.

Website: michelversluis.net

Full CV: michelversluis.net/cv

Full publication list: michelversluis.net/publications

Key performance indicators

July 2021

51	h-index (Web of Science)
64	h-index (Google Scholar)
208	number of peer-reviewed publications
168	i10-index
146	i10-index since 2017
8995	number of citations (Web of Science)
14602	number of citations (Google Scholar)
39	number of PhD theses (co)supervised
25	number of PhD students promoted
17/3	current number of PhD students/postdocs
45	number of completed research programs/projects
14	running number of research programs/projects
3	number of filed patents
	ISI Web of Science ResearcherID: F-3541-2011
	ORCID: 0000-0002-2296-1860

Professional activities

since 2021	Member of the NWO Science Round Table Advisory Committee for Physics.
2019	Chair of the 16 th Conference on Acoustofluidics, University of Twente, August 2019.
2018	Chair of the 32 nd Int. Conference of High-Speed Imaging and Photonics ICHSIP-32, University of Twente, October 2018.
since 2018	Program leader 4TU HTSF program Precision Medicine.
since 2018	Cluster leader domain Imaging & Diagnostics, TechMed Centre, University of Twente.
2018-2020	Member of the NWO Science Advisory Committee on Fluids and Soft Matter.
2016-2017	Program director NanoNextNL 3C Nanomedicine/Molecular Imaging.
2014-2018	Discipline leader Imaging and Diagnostics, MIRA Institute for Biomedical Technology and Technical Medicine, University of Twente.
2013-2018	Member of the FOM Advisory Committee on Phenomenological Physics.
since 2011	Board member of the Dutch Society for Medical Ultrasound.
2010-2011	Member Program Committee Physics@FOM.
since 2009	Discipline leader Ultrasound, Center for Medical Imaging CMI ^{NEN} , a joint initiative with UMC Groningen, Radboudumc Nijmegen and Siemens.
since 2002	Board member of the Contact group on Experimental Methods J.M. Burgerscentre for Fluid Mechanics.

Outreach

17 Dec 2014	Nature Magazine - Image of the Year 2014: Drop Everything
06 Apr 2014	De kracht van bellen TV uitzending 'De Kennis van Nu' met André Kuipers.
13 Mar 2014	Fast imaging captures falling droplets - Nature Highlights: Nature 507 , 142 (2014)
23 Jan 2014	Met nanodruppels tumoren opsporen uitzending NTR Radio 'De Kennis van Nu'.
19 Nov 2014	Onderzoekers vinden efficiëntere manier voor inzet stamceltherapie NU.nl nieuws item.
28 Oct 2015	De druppels van prof. Versluis, Ik zie wat jij niet ziet, De Kennis van Nu TV NTR, NPO 1
20 Jan 2016	De shampoo van prof. Versluis, Ik zie wat jij niet ziet, De Kennis van Nu TV NTR, NPO 1
09 May 2016	Bigger than bacon, Radiolab, WNYC, New York – how snapping shrimp research connects to the opening of the blood-brain barrier - radiolab.org/story/bigger-bacon/
11 Nov 2016	De wetenschap achter bellen en druppels, De Kennis van Nu podcast NTR, 30 min.
12 Dec 2016	Innovatieve denkers laten zich inspireren door de natuur, De Kennis van Nu NTR, ook verschenen in de VPRO gids (Dec 2016)
30 Mar 2017	Special - De ongekennde kracht van belletjes, NTR TV Kennis van Nu
07 Oct 2020	Bubbels, NTR TV Het Klokhuis NPO
03 Mar 2021	Naaldloos injecteren, NTR TV Atlas wetenschapsprogramma NPO