

# Wiebe E. Bijker

## Curriculum Vitae and publication lists

December 2023

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## Summary<sup>1</sup>

Wiebe E. Bijker (1951) was educated as an engineer (physics) at Delft University of Technology, then studied philosophy of science at the Universities of Amsterdam and Groningen, and received a PhD in the history and sociology of technology from Twente University.

Bijker is [Professor II](#) at the Institutt for tværfaglige kulturstudier (KULT; Department of interdisciplinary studies of culture), Norges teknisk-naturvitenskapelige universitet (NTNU; Norwegian University of Science and Technology), 7491 Trondheim, Norway (since 2015). He is [Professor emeritus](#) at Maastricht University (since 2017).

Bijker's teaching and research focus on the relations between science, technology and society, encompassing the full spectrum from fundamental theoretical and empirical research to applied and policy-related projects. His work straddles the natural, social and humanistic sciences.

Partly parallel to his physics and philosophy education he taught physics in secondary school and co-authored a series of Dutch science textbooks for secondary school that combined physics, chemistry and biology. He was active in the 'science, technology and society' (STS) movement, and helped to translate STS insights into secondary school science teaching. This interest in teaching continued, as witnessed by Bijker's central role in designing the teaching programme of the Netherlands Graduate School of Science, Technology and Modern Culture ([WTMC](#)), in establishing the European Association on Society, Science and Technology (with its European MA programme [ESST](#)), in developing and teaching a separate line of history, philosophy and sociology of science in Maastricht University's medical school, and in creating and directing the NVAO-accredited research master Cultures of Arts, Science and Technology ([CAST](#)). He has always continued some undergraduate teaching activities and responsibilities.

Bijker held a variety of administrative offices in Maastricht University, nationally, and internationally. He was Dean of the Faculty of Arts and Social Sciences (1996 – 2000) and he established the KNAW-Maastricht Virtual Knowledge Studio in 2007. Nationally he played key roles in the graduate school WTMC. Internationally his Presidency of the [Society for Social Studies of Science](#) and various roles in the [Society for the History of Technology](#) stand out.

Bijker's research took off from his interest in the relations between science, technology and society that already guided his studies in Delft and his involvement in secondary school science education. He used historical case studies (aluminium, bicycle, Bakelite, Sulzer weaving machine, transistor) to ask sociological questions about technology development. Bijker formulated in 1983 the 'social construction of technology' (SCOT) heuristics and theory [4].<sup>2</sup> Joining forces with sociologists of science and historians of technology, this led to the 1987 volume *The Social Construction of Technological Systems* that came to be considered the beginning of 'the new sociology of technology' [1]. In the 1990's he broadened both the research agenda and the theoretical and empirical scope of technology studies [2]. The research questions were broadened to also address normative and political issues of technology, science and society. Theoretically this required new conceptions of technological culture, power, democracy, and vulnerability. New strategic research sites for his empirical studies included health and medicine, town planning and architecture [3], gender and technology [5], sound studies, coastal engineering, and development studies. The successful demonstration by constructivist science and technology studies that knowledge and technology can be understood as social processes could easily—though erroneously!—lead to the conclusion that anything goes and that there is nothing special about scientific knowledge or technical expertise. A detailed analysis of the inner workings of the Health Council of the Netherlands serves as an antidote to this misreading and gives a new conceptualization of the role of scientific expertise in modern societies [9].

An important effect of the broadening of the research programme—and one in which new connections between research and teaching are emerging—is the engagement of technology studies with other scholarly disciplines (such as economics, political sciences [7], philosophy), and with practitioners (such as engineers and scientists), policy makers, and civil society groups. For his advisory work Bijker actively draws on his triple background in physics, philosophy, and history & sociology of technology. Especially in his chairing advisory committees of the [Health Council of the Netherlands](#) he is thus able to build bridges between the natural sciences and the humanities and social sciences. Recently completed EU projects aim deliberately at forging cooperation between the natural and social sciences (e.g. MILESECURE-2050). He is also member of the Board of the [Rathenau Institute, the Netherlands organisation for technology assessment](#).

In his Presidential Address to the Society for Social Studies of Science Bijker argued in 2001 for a new role of STS researchers as public intellectuals [6]. Following the events of '9/11' he helped to formulate new ways for science and technology studies of engaging with questions of security, risk and vulnerability [10] and with issues of development in the global south [8]. This led to Bijker's involvement in the formulation of new research programmes for NSF/ESF and the building up of a new research line in his research group in Maastricht. This engagement between academic work and the practices of science and technology for development is supported by his role as co-founder of the Knowledge in Civil Society Forum ([KICS](#), Hyderabad, India), as scientific adviser to the African Technology Policy Studies

<sup>1</sup> With embedded hyperlinks to various external sources.

<sup>2</sup> Bracketed numbers refer to the key publications, see below

network ([ATPS](#)), and by various EU-FP7 projects (e.g. SET-DEV and BESSE). A NWO-WOTRO project (2009-2014) on nanotechnologies for development serves as new focal point for the previous research lines. This is, in some sense, continued in the NWO-funded project “Responsible Biogas Production In India” in cooperation with DSM-India. Since 2012, until 1-9-2018, Bijker has been Chairman of the Board of the research council [NWO | WOTRO Science for Global Development](#). From 1-9-2018 till 1-1-2023, he chaired the NWO assessment process of the [National Research Agenda](#)'s open call [NWA-ORC](#). Since March 2020, he is involved in facilitating the [NWO Caribbean Research Program](#). Bijker was again Chairman of the Board of the research council [NWO | WOTRO Science for Global Development](#) from 1-10-2022 till 31-12-2023. In that capacity he also headed the Dutch delegation to the 2023-G20 Roundtable of Chief Scientific Advisors in India.

In 2023 Bijker chaired an external committee to review the Maastricht University's Diversity & Inclusion policies and practices. In 2024, Bijker is chairing an 'onderzoekscommissie afbouw wetenschappelijk onderzoek met niet-humane primaten' (investigation committee on the decrease of scientific research with non-human primates) for the Minister of Education, Culture and Science.

In 2006 Bijker received the [John Desmond Bernal Prize](#), awarded jointly by the Society for Social Studies of Science and the Thomson Scientific, for his distinguished contribution to the field of science and technology studies. In 2009 Bijker was appointed Officier in de Orde van Oranje Nassau. In 2012 he was awarded the [Leonardo da Vinci Medal](#) by the Society for the History of Technology for his “outstanding contribution to the history of technology, through research, teaching, publications, and other activities.”

## Personal details and addresses

Born: 19 March 1951 in Delft, The Netherlands  
Marital status: married, three children  
Nationality: Dutch  
Languages: Dutch (native), English (fluent)  
German, French (reasonable)

Home Address	Work Address (in both cases: not regularly checked since being emeritus)
Van Beethovenstraat 11, 6245 GK Eijsden  T: +31-43-4091006	Maastricht University, Faculty of Arts & Social Sciences, Department of Technology & Society Studies  <i>Postal address</i> PO Box 616, 6200 MD Maastricht  <i>Visiting address</i> Grote Gracht 80-82 Maastricht  T: +31 43 388 3321 F: +31 43 388 4917
	Norwegian University of Science and Technology. NTNU Faculty of Humanities Department of Interdisciplinary Studies of Culture  <i>Postal address</i> NTNU, NO-7491 Trondheim, Norway  <i>Visiting address:</i> Building 5 and 6, level 4, Dragvoll University Centre Trondheim  T: +47 73 59 82 16 Secretary: +47 73 59 17 88
<a href="mailto:W.Bijker@maastrichtuniversity.NL">W.Bijker@maastrichtuniversity.NL</a> <a href="https://www.maastrichtuniversity.nl/w.bijker">https://www.maastrichtuniversity.nl/w.bijker</a>  <a href="mailto:wiebe.bijker@ntnu.no">wiebe.bijker@ntnu.no</a> <a href="http://www.ntnu.edu/employees/wiebe.bijker">http://www.ntnu.edu/employees/wiebe.bijker</a>	

## Education

University of Twente, PhD, History and Sociology of Technology, 1990: *The Social Construction of Technology*  
(supervisors: Prof.dr. Peter Boskma (†) and Prof.dr. Arie Rip)  
Delft University of Technology, MSc and Engineering, Physics, 1976  
Universiteit van Amsterdam, BA, Philosophy, 1974  
Gymnasium B, Emmeloord, 1969

## Affiliations

Dutch Research Council, NWO:

- Head of Dutch delegation to G20 Chief Science Advisers Roundtable in India (2023)
- Chair Steering Group WOTRO Science for Global Development (2022-2023)
- Senior Advisor Caribbean Research Programme (2020-
- Chair assessment process of the National Research Agenda's open calls NWA-ORC (2018-2022)
- Chair of the Board of NWO-WOTRO Science for Global Development (2013-2018)

Norwegian University of Science and Technology (NTNU), Faculty of Humanities, Department of Interdisciplinary Studies of Culture:

- Professor of Technology & Society (2015-2021)

Maastricht University (formerly Rijksuniversiteit Limburg):

- Professor of Technology & Society, Emeritus (since 2017)
- Professor of Technology & Society (1994-2017)

- Co-director (with Sally Wyatt) of the Maastricht Virtual Knowledge Studio (UM-KNAW; 2007-2012)
  - Chair of the Department of Technology & Society Studies, Faculty of Arts & Social Sciences (1995-2015)
  - Research Leader STS Research Programme, Faculty of Arts & Social Sciences (1990-2015)
  - Dean Faculty of Arts & Social Sciences (then: Faculteit der Cultuurwetenschappen; 1996 – 2000)
  - Director Research Institute CWS, Universiteit Maastricht (1994 – 1996)
  - Associate professor of philosophy (1990 – 1994)
  - Research Leader of the programme "Technology Assessment", MERIT, Maastricht (1988 – 1992)
  - Assistant professor of philosophy (1987 – 1990)
- Netherlands Organisation for Scientific Research (NWO, formerly ZWO): researcher in project "De sociale constructie van technische artefacten: een theoretisch onderzoek naar techniekontwikkeling" (1985 – 1988)
- University of Twente: researcher, history and sociology of technology (1980 – 1985)
- Meulenhoff Educatief, Amsterdam: physics text books author *Exact* (1978 – 1984)
- Utrecht University, Project Leerpakket Ontwikkeling Natuurkunde (PLON): researcher, project curriculum development (1979 – 1981)
- Openbare scholengemeenschap Van Oldenbarnevelt, Rotterdam: physics teacher (1974 – 1980)

## Awards

- Leonardo da Vinci Medal 2012, awarded by the Society for the History of Technology for his "outstanding contribution to the history of technology, through research, teaching, publications, and other activities."
- Officier in de Orde van Oranje Nassau, 29<sup>th</sup> May 2009
- John Desmond Bernal Prize 2006, awarded jointly by the Society for Social Studies of Science and the Thomson Scientific, for "distinguished contribution to the field"
- Abbot Payson Usher Prize 2002, awarded "for the best scholarly work published during the preceding three years under the auspices of the Society for the History of Technology, for "Women Walking through Plans. Technology, Democracy, and Gender Identity", *Technology & Culture*, 41 (2000): 485-515 (with Karin Bijsterveld)
- Edmond Hustinx Prijs voor de Wetenschap 1991, awarded for the dissertation *The social construction of technology* (1990)
- World-Didac Golden Award 1986, awarded for the textbook series *Exact* (1982 – 1984)

## Academic and professional functions

### Professional functions (international)

- Founding editor of "INSIDE TECHNOLOGY. A Monograph Series in the Social and Historical Studies of Technology", MIT Press: Cambridge, Ma. (first with W.B.Carlson en T.J.Pinch, now with Rebecca Slayton, since 1987)
- Distinguished Fellow at the Global Institute of Applied Governance in Science and Innovations, Uganda (since 2018)
- Distinguished Fellow at the SARChI Development Education (Prof. Catherine Hoppers), University of South Africa, Pretoria (2012-2018)
- Member advisory panel PACITA (Parliaments and Civil Society in Technology Assessment) (2011-2015)
- Society for Social Studies of Science:
- Chair of the special committee on 4S Governance (2012-2013)
  - Co-organiser of "Past, Present, and Future of Research in the Information Society", satellite conference of the World Summit on the Information Society, Tunis (2005)
  - President (2001 – 2003)
  - Member Nominations Committee (1990 – 1994)
  - Chair Students Activities Committee (1988 – 1992)
  - Chair Nicholas Mullins Award Jury (1988 – 1992)
  - Member Council (1988 – 1991)
  - Member Publications Committee (1988 – 1991)
- Society for the History of Technology:
- Member Publications Committee (2008 – 2013)
  - Member Executive Council, (2004 – 2007)
  - Member Committee on International Fellows (1990 – 1991)
- EU Network of Excellence PRIME (Policies for Research and Innovation in the Move towards the European Research Area):
- Member Executive Committee (2005 – 2008)
  - Member Scientific Committee (2004 – 2005)
- Society for the Philosophy of Technology:
- Member Programme Committee Delft Conference (2005)
- Other:
- Member International Scientific Committee of the First International Conference On Coastal Zone Management of River Deltas and Low Land Coastlines (Alexandria, Egypt, 2010)

### Professional functions (the Netherlands)

- Member Board Rathenau Institute (2010-2018)
- Member Health Council of the Netherlands (2008-2016)
- Member Scientific Advisory Board of EcoShape, Building with Nature (2008-2018)

Vice-chair governmental "Commissie maatschappelijke dialoog nanotechnologie" (Committee Societal Dialogue Nanotechnologies) (2009-2011)  
 Member International Advisory Board of the KNAW Virtual Knowledge Studio (2006-2011)  
 Member Steering Group "Technologie en Religie", Stichting Toekomstbeeld der Techniek (2005 – 2008)  
 Member Advisory Board of UNU-Merit, Maastricht (since 2006)  
 Member Board Maastricht Economic Research Institute on Technology, MERIT, Universiteit Maastricht (1995 – 2006)  
 Member Steering Group "Het Nieuwe Bewonen", Stichting Toekomstbeeld der Techniek (2002 – 2004)  
 Chair of the board of *Intro | In Situ*, Atelier for sound art and modern music, Maastricht (since 2001)  
 Fellow International Institute of Infonomics, Maastricht (2000 – 2005)  
 Founding Board member Maastricht McLuhan Institute for European Digital Culture (1998 – 2000)  
 Founding co-editor *Jaarboek voor de Geschiedenis van Bedrijf en Techniek* (1984 – 1992)  
 Chair Eurometrics Committee Nederland (1988 – 1991)  
 Coordinator Netherlands Workshop Science in Context (1984 – 1989)

## Editorial committees

*Engaging Science, Technology, and Society* (since 2014)  
*Journal of Responsible Innovation (JRI)* (since 2013)  
*Nordic Journal of science and technology studies (NJSTS)* (since 2012)  
*Journal of Research Practice*, Focus Editor 'Research Spaces' (since 2011)  
 IEEE STARS Editorial Board (<http://www.ieeeqhn.org/wiki/index.php/Special:Home>) (2012-2014)  
*Tecnoscienza - Italian Journal of Science and Technology Studies* (since 2010)  
*East Asian Science, Technology and Society: an International Journal* (Duke UP), Member Editorial Advisory Board (since 2007)  
*Technology & Culture*, member publication committee (2008-2013)  
*NTM - Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin* (Germany, Birkhäuser), Member Editorial Advisory Board (since 2007)  
*Science, Technology & Society* (India, SAGE), Member Editorial Advisory Board (since 2006)  
*Graduate Journal of Social Science* (UK/NL, LSE/VU), Member Academic Advisory Board (since 2006)  
*REDES - Revista Latinoamericana de estudios sociales de la ciencia y la tecnología* (Argentina, Universidad Nacional de Quilmes), Member Editorial Advisory Committee (since 2003)  
*Science, Technology & Human Values* (US, SAGE), Member Editorial Advisory Board (since 1998)  
*Handbook for Science and Technology Studies* (SAGE, 2007), Member Advisory Board  
*International Encyclopedia of the Social and Behavioral Sciences* (Pergamon-Elsevier; 2001), Member International Advisory Board  
*Handbook for Science and Technology Studies* (SAGE, 1995), Member Editorial Advisory Committee

## Evaluation and assessment

Chair external committee to review Maastricht University's Diversity & Inclusion policies and practices (2023)  
 Chair NVAO assessment committee cluster Innovation Sciences (2022)  
 Chairman of the Evaluation Committee of the Netherlands Scientific Council for Government Policy (WRR), 2017.  
 Member of the Evaluation Committee of the COGEM (Commissie Genetische Modificatie, 2016)  
 Member of the Berufungskommission "Technik- und Innovationssoziologie", Institut für Soziologie Technische Universität Berlin (search committee for new professor in the Sociology of Technology and Innovation) (2014-2015)  
 Chair of the external research assessment committee for the Mansholt Graduate School of Social Sciences and the CERES Research School for Resource Studies for Development, Wageningen University (2009)  
 Chair of the external research assessment committee for the Institute for Science, Innovation & Society, Radboud University Nijmegen (2008)  
 External expert on the evaluation committee of Catalan Universities (2001)  
 Confidential advice on tenure and promotion in the Universities of: Trondheim, Denmark (TU), Edinburgh, York, Cardiff, Oxford, Brunel, East-London, Sussex, Ecole des Mines, Lyon, Catalonia, MIT, Harvard, Cornell, Virginia, California, Oklahoma.

## Scientific advice and peer-review

Chair Onderzoekscommissie afbouw wetenschappelijk onderzoek met niet-humane primate (investigation committee on the decrease of scientific research with non-human primates) for the Minister of Education, Culture and Science (2024)  
 Member Advisory Committee of the Health Council of the Netherlands on admissibility of embryo research (2022-2023)  
 Chair KNAW advisory committee to explore possibilities for reducing the number of animal experiments in the neurosciences (2018-2019): EXCELLENT HERSENONDERZOEK MET MINDER DIERPROEVEN—Kansen en uitdagingen voor proefdiervrij onderzoek in de neurowetenschappen (in Dutch, with English summary; It can be downloaded from the parliament's website, together with the response by the two responsible Ministers: [https://www.tweedekamer.nl/kamerstukken/brieven\\_regering/detail?id=2019Z14544&did=2019D29817](https://www.tweedekamer.nl/kamerstukken/brieven_regering/detail?id=2019Z14544&did=2019D29817))  
 Chair NWO advisory committee Creatieve Industrie (2014-2016)  
 Chair Steering Group MFS II Evaluation, WOTRO-NWO (for Min. Foreign Affairs and PARTOS; 2011-2015)  
 Chair Advisory Committee Dastkar Andhra, Hyderabad (since 2010)

Member NWO advisory committee Maatschappelijk Verantwoord Innoveren (2012)  
 Chair NWO domain panel Gamma in VIDi procedure (2011)  
 Chair NWO advisory committee on interdisciplinary VICI (2011)  
 Chair Professorial Profiling Committee (structuurcommissie) "Communication, Science, Technology and Ethics" Wageningen University & Research Centre (2011-2012)  
 Chair Advisory Committee of the Health Council of the Netherlands on Nanoparticles in the workplace (2010-2012)  
 Chair NWO domain panel Gamma in VENI procedure (2010)  
 Chair NWO advisory committee on interdisciplinary VENI (2009)  
 Chair Subcommittee Societal Issues of the Taskforce Life Sciences (NWO-ALW, NWO-CW, STW, ZonMw, NCI) en SenterNovem to produce a Life Science Vision for the Prime Minister's Innovation Platform (2009)  
 Chair joint Advisory Committee of the Health Council of the Netherlands (GR), the Committee on Genetic Modification (COGEM) and the Committee on Animal Biotechnology (CBD) on trends in biotechnology (2008 – 2009)  
 Scientific Expert on new research themes for Science in Society in the EU 7th Framework Programme to Directorate L (Science, Economy and Society), DG-RTD, EC (Genoa, 2008)  
 Adviser on a Code of Conduct on nanotechnologies to the Unit of Governance and Ethics, DG-RTD, EC (Brussels, 2007)  
 Adviser on the renewed Sustainable Development Programme to Directorate I (Environment), DG-RTD, EC (Brussels, 2007)  
 Adviser on risk governance and nanotechnologies to the Irish Council for Bioethics (Dublin, 2007)  
 Associate member of the Advisory Committee on the Open Call for Humanities, Netherlands Organisation for Scientific Research (NWO; 2006 – 2008)  
 Member joint Advisory Committee of the Health Council of the Netherlands (GR), the Committee on Genetic Modification (COGEM) and the Committee on Animal Biotechnology (CBD) on trends in biotechnology (2005 – 2007)  
 Member Advisory Committee of the Health Council of the Netherlands on the Precautionary Principle (2004 – 2008)  
 Chair Advisory Committee of the Health Council of the Netherlands on Risks and Benefits of Nanotechnologies (2004 – 2006)  
 Member of the Royal Academy of Sciences of the Netherlands (KNAW) committee to select proposals for an International Research Institute on e-Science Studies in the Humanities and Social Sciences (Amsterdam, 2004); this developed into the KNAW Virtual Knowledge Studio (VKS)  
 Consultant to CRIEPI (<http://criepi.denken.or.jp/en/index.html>) for the project "Social Decision Making Process for Energy Technology Introduction", Tokyo, 2003 – 2005 .  
 Chair of the KNAW committee to investigate and design an International Research Institute on e-Science Studies in the Humanities and Social Sciences (Amsterdam, 2003)  
 Member Strategic Committee NIWI, KNAW (Amsterdam, 2002)  
 Chair of the Exploration Committee on the Role of the Humanities in the Information Society, Advisory Council on Science Policy (AWT), 2000 – 2001  
 Member Advisory Committee on Economic, Social and Geographical Sciences, Netherlands Organisation for Scientific Research (NWO; 1998 – 2001)  
 Adviser to the Norwegian Research Council, Programme on ICT and Culture, Oslo, 1997  
 Adviser on the Strategic research plan Faculty of Humanities, University of Trondheim, Trondheim, 1997  
 "STS Research in European Countries", advice to COST-network, Finland, 1994  
 "Mechatronica", rondetafelgesprek, gepubliceerd in Metaal en Technologie, nr.6, bijlage bij Metaal en Techniek, 38, October 1993.  
 "Possibilities for Future Swedish Research in the History of Technology", advice to the Research Committee of the National Museum of Science and Technology, Stockholm, 1988  
 "From the New Technology Studies to a Philosophical Engineer: through a research program for the Division of Humanities toward a minor and a major degree", advice to the Dean, School of Engineering and Applied Science, University of Virginia, Charlottesville, VA, USA, 1987

*Anonymous referee for the following journals, funding agencies, and academic publishers:*

<b>Journals</b>	<b>Funding institutions</b>	<b>Book publishers</b>
Electronic Journal of Sociology (EJS; <a href="http://www.sociology.org">http://www.sociology.org</a> ) Graduate Journal of Social Science History and Philosophy of the Life Sciences History and Technology Journal for Peace Research Journal of Risk Research Research Policy Science, Technology & Human Values Social Studies of Science Technology and Culture The Sociological Review	Academy of Finland Conseil de recherches en sciences humaines du Canada Economic & Social Research Council (ESRC), UK The John D. and Catherine T. MacArthur Foundation (USA) Leverhulme Trust, UK National Science Foundation, U.S.A. Nuffield Foundation, UK Norwegian Research Council NWO, sections Humanities and Social and Behavioral Sciences, Development Sciences, NL NWO, Stichting voor Filosofie en Theologie, NL NWO, Stichting voor Historische Wetenschappen, NL NWO, Stichting Wijsgerig Onderzoek Nederland, NL Slovenian Research Council	Cambridge University Press Duke University Press MIT Press Routledge Routledge & Kegan Paul SAGE Publications Westview Press

	Vetenskapsrådet, The Swedish Research Council	
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### **Membership of professional organisations**

Society for Social Studies of Science (4S)  
 Society for the History of Technology (SHOT)  
 European Association for the Study of Science and Technology (EASST)  
 Genootschap voor de Geschiedenis der Geneeskunde, Wiskunde, Natuurwetenschappen en Techniek (GeWiNa)  
 Studievereniging voor Sociaal-Economische Geschiedenis  
 Vereniging het Nederlands Economisch-Historisch Archief  
 Nederlands Vereniging voor Wetenschapsfilosofie (until 2005)  
 ZWO Werkgemeenschap Wetenschapsonderzoek (until its dissolution)  
 ZWO Werkgemeenschap Wetenschapsfilosofie (until its dissolution)  
 Landelijke Workshop Wetenschap in Context (until its dissolution)  
 Landelijke Werkgroep Techniekgeschiedenis (until its dissolution)  
 Vereniging Pandore, Parijs (until its dissolution)  
 Nederlands Vereniging voor Onderwijs in de Natuurwetenschappen (until 1984)

### **Visiting researcher and professor**

(part-time)

Visiting researcher: NSF Technology Ethics project, University of Virginia, Charlottesville, VA, 2005  
 Visiting professor ESST Oslo, 1993-1996; Lausanne, 1994-1996; Namur, 1994-1996; Madrid, 1995  
 Professor Summer University: Donostian Udako Ikastaroak, Euskal Herriko Unibertsitatea, Donostia, San Sebastian, 1993.  
 Visiting professor: STS Doctoral Programme in Technology Policy and Social Development, Roskilde University Center, October 1992.  
 Visiting professor: Technology Assessment, Technical University of Denmark, Lyngby, 1992  
 Visiting professor: Technische Universität Wien, Institut für Technik und Gesellschaft, Vienna, 1990-1991  
 Visiting researcher: Norwegian Research Council for the Humanities, Oslo, 1990  
 Visiting researcher: Technology Assessment, Technical University of Denmark, Lyngby, 1990

Invited lectures and seminars in the Universities of Trondheim, Oslo, Linköping, Stockholm, Lyngby (TU), Copenhagen, Roskilde, Aalborg, Edinburgh, York, Dublin, Oxford, Cardiff, Bath, Sussex, London (University College, Kings College), Gent, Louvain-la-Neuve, Namur, Liège, Berlin (Wissenschaftszentrum), Halle (Max Planck Inst.), Bielefeld, Köln (Max Planck Inst.), Aachen, Darmstadt, Essen, Paris (Ecole des Mines, CNSR), Lausanne, Zürich, Genova, Roma, Barcelona, San Sebastian, Madrid, Salamanca, Dubrovnik (Eur. Univ. Centr.), Athens (TU), Istanbul (TU), Delhi, Gandhinagar, Ahmedabad (NID), Hyderabad (CHU), Bhubaneswar (XIM), Taipeh, Tokyo, California (USB), Stanford, Vancouver, Denver, Illinois, Virginia (in Charlottesville, VA), Pennsylvania (in Philadelphia, PA), MIT, Harvard.

### **Postdoctoral fellows coached**

Dr. Aalok Khandekar (Indian), 2011-2014  
 Dr. Ragna Zeiss (Dutch), March 2007 – March 2008, currently assistant professor at Maastricht University, Faculty of Arts and Social Sciences  
 Dr. Esha Shah (Indian), February 2006 – April 2006, currently Research Fellow “Knowledge, Technology and Society” at IDS, University of Sussex  
 Dr. Laxmi Thummuru (Indian), March 2006 – May 2006, currently assistant professor at Tata Institute of Social Sciences, Mumbai  
 Dr. Ruth Benschop (Dutch), August 2004 – November 2008, currently lector Arts Studies Hogeschool Zuyd  
 Dr. Eduard Aibar (Spanish), January 1995 – December 1995, currently Vice-Rector of Research, Universitat Oberta de Catalunya

### **Contract research**

“Responsible Biogas Production in India”, NWO Responsible Research and Innovation project, 2015-2017.  
 “Publics, Politics, and Technoscience in Contemporary Indian Contexts”, ICSSR-NWO Social Science Scholar Exchange Grant, 2013-2014  
 “How States Account for Failure in Europe: Risk and the Limits of Governance—HowSAFE”, A multilateral research project under the Open Research Area (ESRC, DFG, ANR, and NWO), with Frederic Boudier, 2012-2015  
 “Negotiating Local and Global Requirements in Biomedical Research: The Case of Biobanking — Globloc Biobanks”, Marie Curie Outgoing Fellowship for Dr. Erik Aarden to Harvard University, 2011-2015  
 “Managing Dutch Water Safety Vulnerabilities A social cultural perspective on the threats of flooding”, NWO Humanities substitution grant, 2010-2011  
 “Nanotechnologies for development in India, Kenya and The Netherlands—Towards a framework for democratic governance of risks in developing countries”, NWO-WOTRO Integrated Programme, 2009 – 2014  
 “Brokering Environmentally Sustainable Sanitation for Europe” (BESSE), Collaborative project Framework VII, European Union, 2009 – 2012 (Coordinator)



"Soundscapes of the Urban Past", Postdoc + PhD projects, NWO Cultural Dynamics, 2008 – 2013 (with Prof.dr. Karin Bijsterveld)

"Science, Ethics and Technological Responsibility in Developing and Emerging Countries" (SET-DEV), Coordination and Support Action Framework VII, European Union, 2008 – 2011

"Selling Sound", Postdoc + PhD projects, NWO Open Competition, 2007 – 2011 (with Prof.dr. Karin Bijsterveld)

"Social Sciences and European Research Capacities" (SS-ERC), Specific Targeted Research Project Framework VI, European Union, 2006 – 2009

"Second external review of NWO-WOTRO's Programme of Action, Research for Development (2002-2006)", Ministerie van Buitenlandse Zaken, DGIS, 2006 – 2007

"Omgevingsanalyse van het Centrum voor Ethiek en Gezondheid (CEG)", Ministerie van Volksgezondheid, Welzijn en Sport (VWS), 2006 – 2007

"Sound Technologies & Cultural Practices" Postdoc + PhD project in NWO Cultural Transformations Programme, 2004 – 2008 (with Prof.dr. José van Dijck, University of Amsterdam)

"Ultrasound in Ghana and Tanzania. The politics of a medical technology in other cultural contexts", PhD project, NWO-WOTRO, 2001-2005

"Trajecten van advisering. Over de impact van adviezen van de Gezondheidsraad", Netherlands Health Council, 2000 – 2002

"Research and Technology for Development (RTD): support to the ACP-EU policy dialogue", EU DG Development and Netherlands Ministry for Foreign Affairs, DGIS-DCO/OZ, 2000 – 2001

"Procedure To Evaluate and monitor innovations as collective Experiments" (PROTEE), DG VII, European Union, 1998–1998 (with Bruno Latour and Steve Woolgar)

"Social Learning in Multi Media", TSER project Framework IV, European Union, 1996 – 1999

"Electra Evaluation and Dissemination", Electra Project ALMA Universities, Provincie Limburg en EU INTERREG-Programma, 1996 – 1998

"Public debate 'Natuurontwikkeling: Waarom en Hoe?'" , Rathenau Instituut, Platform Wetenschap en Ethiek, 1996

"Cultura Tecnologica e Innovacion", pilot project for COTEC, 1995 (with Prof. Paloma Sanchez, Autonomous University of Madrid, and Prof. Miguel Angel Quintanilla, University of Salamanca)

"Mijnen en Mijnwerkers / Mines et Mineurs", Provincie Limburg en EU INTERREG-Programma, 1993 – 1996

"Understanding the Politics of Technology. A Comparative International Study of Technological Controversies and Technology Acceptance", Büro Technikfolgen-Abschätzung beim Deutschen Bundestag, 1993 – 1994

## **Graduate teaching: management, supervision and examination**

### *Coordinating functions*

Research master Cultures of Arts, Science and Technology ([CAST](#), NVAO accredited), MPhil (since 2005):

- Director of studies (2005-2014)
- Chair selection committee
- Mentor and coach of students
- Coordinator thesis colloquium
- Coordination research internships
- Supervision some internships
- Supervision some theses
- Lectures and skills trainings in various courses

Netherlands Graduate School on Science, Technology and Modern Culture (WTMC), PhD:

- Chairman of the Board (2000 – 2004)
- Scientific Director (1997 – 1999)
- Member of the Board (1987 – 1997)
- Coordinator (1987 – 1990)

European Inter-university Association on Society, Science and Technology (ESST), MA:

- Secretary Executive Council (1996 – 1997)
- Member of the Administrative Board (1991 – 1997)
- Co-founder and first International Scientific Coordinator of the ESST master's programme (1991 – 1996)

Dutch member of the steering committee of the European Network for Collaboration of Post-Graduate Programs in Science, Technology and Society (1987 – 1990)

### *PhD-supervision*

(with current affiliation of graduate)[with co-supervisor]

1. Dirk de Wit (Dutch), *The shaping of automation. A historical analysis of the interaction between technology and organization. 1950-1985*, April 1994, Rotterdam (currently: Director, Manager Advisory Group Public Sector, O&I Business Process Management Consultants, Utrecht) [with Prof.dr. Huib Vleesenbeek]
2. Ger Wackers (Dutch), *Constructivist Medicine*, October 1994, Maastricht (currently: Associate Professor, Narvik University College, Norway) [with Prof.dr. Henk ten Have]
3. Sally Wyatt (Canadian), *Technology's Arrow*, October 1998, Maastricht (currently: Professor of Digital Cultures in Development, Maastricht University; and Senior Research Fellow, KNAW Virtual Knowledge Studio, Amsterdam)
4. Agnes Meershoek (Dutch), *Weer aan het werk. Verzekeringsgeneeskundige verzuimbegeleiding als onderhandeling over verantwoordelijkheden*, June 1999, Maastricht (currently: assistant professor, Faculty of Health, Medicine and Life Sciences, Maastricht University) [with Dr. Guy Widdershoven en Prof.dr. Frans Nijhuis]

5. Toine Pieters (Dutch), *Biology Meets Drug Development: The Biography of a 'Miracle' Drug, the Interferons*, November 1999, Maastricht (currently: Professor of History of Pharmacy, Utrecht University and Groningen University; and senior researcher and research leader Metamedica, Vrije Universiteit Amsterdam)
6. Anique Hommels (Dutch), *Unbuilding Cities – Obduracy in Urban Sociotechnical Change*, September 2001, Maastricht (currently: assistant professor, Faculty of Arts and Social Sciences, Maastricht University) [with Dr. Karin Bijsterveld]
7. Jessica Mesman (Dutch), *Ervaren pioniers. Omgaan met twijfel in de intensive care voor pasgeborenen*, June 2002, Maastricht (currently: assistant professor, Faculty of Arts and Social Sciences, Maastricht University) [with Prof.dr. Rein de Wilde]
8. Bernard Leupen (Dutch), *Kader en generieke ruimte. Een onderzoek naar de veranderbare woning op basis van het permanente*, October 2002, Delft (currently: associate professor, Faculty of Architecture, University of Technology Delft) [with Prof.ir. M. Risselada]
9. Ruth Mourik (Dutch), *Did water kill the cows? The distribution and democratisation of risk, responsibility and accountability in a Dutch agricultural controversy on water pollution and cattle sickness*, December 2004, Maastricht (currently: Senior Researcher Energy Innovations and Society, Energy research Centre of the Netherlands (ECN), Amsterdam)
10. Babette Müller-Rockstroh (German), *Ultrasound Travels: The Politics of a Medical Technology in Ghana and Tanzania*, June 2007, Maastricht (currently: researcher Max Planck Institute for Social Anthropology, Halle, Germany) [with Dr. Bernike Pasveer]
11. Anne Wesselink (Dutch), *Integraal waterbeheer: de verweving van expertise en belangen*, October 2007, Enschede (currently: Marie Curie research fellow, Sustainability Research Institute, School of Earth and Environment, University of Leeds, UK) [with Prof.dr.ir. Huib de Vriend en Dr. Maarten Krol]
12. Maaïke Lauwaert (Belgium), *The Place of Play. On Toys, Technological Innovations and Geographies of Play*, March 2008, Maastricht (currently: projectmedewerker beeldende kunst en vormgeving, Mondriaan Stichting, Amsterdam; and NWO-Rubicon fellow, Maastricht University & MIT, Cambridge, MA) [with Dr. Jo Wachelder]
13. Susan van 't Klooster (Dutch), *Toekomstverkenning: ambities en de praktijk*, October 2008, Maastricht (currently: researcher, Instituut voor Milieuvraagstukken, Vrije Universiteit Amsterdam) [with Prof.dr.ir. Marjolein van Asselt]
14. Niki Vermeulen (Dutch), *Supersizing Science. On building large-scale research projects in biology*, June 2009, Maastricht (currently postdoc University of Vienna) [with Prof.dr. Rein de Wilde]
15. Polly C.A. van Hövell-Maclaine Pont (Dutch), *Uncorking the bottle, the socio-technical construction of Argentine quality wine*, Instituto de Estudios sobre la Ciencia y la Tecnología, Universidad Nacional de Quilmes, CONICET, Argentina, September 2009, Buenos Aires [with Prof.dr. Hernán Thomas]
16. Julia Quartz (German), *"Constructing Agrarian Alternatives—How a creative dissent project engages with the vulnerable livelihood conditions of marginal farmers in South India."* April 2011, Maastricht [with Dr. Anique Hommels]
17. Nora Engel (German), *"Tuberculosis in India: A case of innovation and control."* April 2011, Maastricht [with Dr. Ragna Zeiss; and Prof.dr. Harro van Lente, Maastricht University]
18. Trudes Heems and Baukje Kothuis (Dutch), *"Waterveiligheid: managen van kwetsbaarheid voorbij de mythe van droge voeten; de Nederlandse omgang met overstromingsdreiging in sociaal-cultureel perspectief."* September 2012, Maastricht [with Prof.dr.ir. Marcel Stive, Delft Technical University; and Prof. dr. Maarten Hajer, University of Amsterdam]
19. Johanna Höffken (German), *"Power to the People? Civic engagement with small-scale hydroelectric plants in India."* December 2012, Maastricht [with Dr. Thomas Conselmann]
20. Mathijs Kouw (Dutch), *"Pragmatic Constructions: Simulation and the Vulnerability of Technological Cultures."* December 2012, Maastricht [with Prof.dr. Sally Wyatt]
21. Fabian de Kloe (Dutch), *Beyond Babel: Science and Universal Language in the Early Twentieth Century* June 2014, Maastricht [with Dr. Geert Somsen]
22. Pankaj Sekhsaria (Indian), *Enculturing Innovation – Indian engagements with nanotechnology*. March 2016, Maastricht [with Dr. Aalok Khandekar]
23. Trust Saidi (Zimbabwean), *Travelling nanotechnologies*. March 2016, Maastricht [with Dr. Ragna Zeiss]
24. Koen Beumer (Dutch), *Nanotechnology and development. Styles of governance in India, South Africa, and Kenya*. March 2016, Maastricht [with Dr. Aalok Khandekar, Dr. Ragna Zeiss]
25. Annapurna Mamidipudi (Indian), *Towards a theory of innovation for handloom weaving in India*. April 2016, Maastricht [with Prof.dr. Louk de la Rive Box]
26. Bart van Oost (Dutch), *Our climate, our underground—Democratic governance of carbon capture and storage*. 2016, Maastricht [with Dr. Anique Hommels]
27. Andreas Mitzschke (German), *New forms of governing science and technology: the case of BtBrinjal in India*. 2018, Maastricht [with Dr. Anique Hommels]
28. Thomas Mougey (French), *Civilization and its Discontents: Universalism and Colonialism in UNESCO's International Science Program, 1945-1954"*. 2018, Maastricht. [with Dr. Geert Somsen and Dr. Raf de Bont]
29. Marith Dieker (Dutch), *Talking You Through: Traffic Information and Car Radio, 1950s-now*. 2020, Maastricht [with Karin Bijsterveld]
30. Michiel van Well (Dutch), *Het geval PAZIO – over de co-constructie van religieuze transformatie en technologische innovatie*. 2021, Maastricht [with Maarten Verkerk]

## PhD Examiner

Dick Willems, *Tools of care – Explorations into the semiotics of medical technology*. May 1995, Maastricht

Karin Bijsterveld, *Geen kwestie van leeftijd. Verzorgingsstaat, wetenschap en discussies rond ouderen in Nederland, 1945-1982*, December 1995, Maastricht

Klasien Horstman, *Verzekerd leven. Artsen en levensverzekeringsmaatschappijen 1880-1920*, March 1996, Maastricht

Marco Janssen, *Meeting Targets. Tools to support Integrated Assessment Modelling of Global Change*, November 1996, Maastricht

R.P.Hagendijk, *Wetenschap, Constructivisme & Cultuur*, November 1996, Amsterdam

Marc Berg, *Rationalising Medicine*, December 1996, Maastricht

Marijk van der Wende, *Internationalising the Curriculum in Dutch Higher Education: an International Comparative Perspective*, December 1996, Utrecht

P.Th.R. Mestrom, *Uurwerken en uurwerkmakers in Limburg, 1367-1850*, 1997, Maastricht

Magnus Johansson, *Smart, Fast and Beautiful. On Rhetoric of Technology and Computing Discourse in Sweden 1955-1995*. September 1997, Linköping ("first opponent")

Irma v/d Ploeg, *Prosthetic Bodies*, January 1998, Maastricht

Elke Duncker, *Multidisciplinary Research at the University of Twente*, April 1998, Enschede

Richard Rogers, *England & The Channel Tunnel*, May 1998, Amsterdam

Roland Bal, *Grenzenwerk*, January 1999, Enschede

Madeleine Akrich, *habilitation à maitre de recherches*, Ecole des Mines, March 1999, Paris

Antoinette de Bont, *De organisatie van een virus*, September 2000, Maastricht

Marjolein B.A. van Asselt, *Perspectives on Uncertainty and Risk*, October 2000, Maastricht

Paul Næsje, *Pumps and circumstances. The political configuration of heat pump technology in Norway*, October 2000, Trondheim ("first opponent")

Michiel van Dorp, *HLA & Transplantatie. De ontwikkeling van een Matchingspraktijk*. 2001. Maastricht

Andrea Buchholz, *Students and Users in the Construction of the Virtual University*. Brunel University, November 2001, London

Yutaka Yoshinaka, *Sociotechnics and Materiality: Technology, knowledge-work and trans/disciplinarity in clinical Magnetic Resonance Imaging*. Danish Technical University, intermediate examination 2002, Lyngby

Heico van der Blonk, *Evolution of information systems. Changing the order, ordering the change*. February 2002. Amsterdam

Willem Halfmann, *Boundaries of Regulatory Science. Eco/toxicology and aquatic hazards of chemicals in the US, England, and the Netherlands, 1970-1995*, March 2003, Amsterdam

Solange Martin, *Peut-on utiliser la sociologie de la traduction pour la gestion de l'innovation ? Expérimentations réflexives à partir de l'élaboration de dispositifs de suivi et d'évaluation des projets innovants dans le domaine des transports*, June 2003, Ecole Normale Supérieure des Mines, Paris

Peter Peters, *De haast van Albertine. Reizen in de technologische cultuur: naar een theorie van passages*, June 2003, Maastricht

Anne Sofie Lægran, *Connecting places: Internet cafes as technosocial spaces*, February 2004, Trondheim ("first opponent")

Marc Audétat, *La négociation des risques technologiques. Expertise et controverse publique dans les cas biotechnologies et du climat*. June 2004, Lausanne

Nadia Dillenseger-Honoré, *Le règlement des conflits dans une controverse socio-technique — Les risques sanitaires liés à la téléphonie mobile*, November 2004, Strasbourg

Günther Bombaerts, *An inquiry about the influence of the human factors in risk assessment in the nuclear waste domain*, November 2004, Gent

Yutaka Yoshinaka, *Contrast in Resonance – Knowledge processes and the sociotechnical articulation of Magnetic Resonance Imaging (MRI) in interdisciplinary practice*, June 2005, Lyngby (DK)

Daniel Dalohoun, *Learning to Innovate: The Case of Songhai Agricultural Entrepreneurs in Benin*, September 2005, Maastricht

Rose Kigundu, *Innovation Systems and Development: The Journey of a beleaguered Nile Perch Fishery in Uganda*, 2006, Maastricht

Sofia Coelho Bento, *La difficile existence du barrage d'Alqueva: une ethnographie des démonstrations sociotechniques*, September 2006, Lisbon

Rodrigo Ribeiro, *Knowledge Transfer*, January 2008, Cardiff

Bart Penders, *From Seeking Health to Finding Healths*, September 2008, Maastricht

Maartje Hoogsteyns, *Artefact Mens. Een interdisciplinair onderzoek naar het debat over materialiteit binnen de material culture studies*, September 2008, Amsterdam

Merel Noorman, *Mind the Gap! Reflections on human/technology analogies in research on artificial agents*, Fall 2008, Maastricht

Wietse Vroom, *Reflexive biotechnology development: Studying plant breeding technologies and genomics for agriculture in the developing world*, June 2009, Amsterdam

Govert Valkenburg, *Politics by all Means. An Enquiry into Technological Liberalism*. June 2009, Enschede

Mirtha Rosaura Muñiz Castillo, *Human Development and Autonomy I Project Aid: Experiences from four bilateral projects in Nicaragua and El Salvador*. September 2009, Maastricht

Margo van den Brink, *On the horns of a dilemma: the repositioning of the Rijkswaterstaat in Dutch water planning practices*. December 2009, Nijmegen.

Erik Aarden, *Co-production of genetic technologies and public health policies in Germany, Netherlands, and UK*. February 2010, Maastricht

Annelien Bredenoord, *Ethics at the interface of reproductive medicine and genetic technology: the case of mitochondrial disorders*. June 2010, Maastricht

Marc Dijk, *Innovation in Car Mobility — Coevolution of demand and supply under sustainability pressures*. 2010. Maastricht

Marloes Blankesteijn, *Tussen Wetten en Weten. De rol van kennis en waterbeheer in transitie*. April 2011, Universiteit van Amsterdam

R.F. Ruers, *Macht en tegenmacht in de Nederlandse asbestregulering*. March 2012, Erasmus Universiteit Rotterdam

Erwin van Rijswoud, *Public faces of science. Experts and identity work in the boundary zone of science, policy and public debate*. March 2012, Radboud Universiteit Nijmegen

Alexandra Supper, *Lobbying for the Ear. The Public Fascination with and Academic Legitimacy of the Sonification of Scientific Data*. June 2012, Maastricht

Tomas Moe Skjølsvold, *Towards a new sociology of innovation The case of bioenergy in Norway and Sweden*. August 2012, University of Trondheim, Norway

Pieter van Broekhuizen, *Nano Matters. Building Blocks for a Precautionary Approach*. December 2012, Universiteit van Amsterdam

Chandrika Parmar, *The Pluriverse Of Disasters Knowledge, Mediation And Citizenship*. January 2013, Oxford University

Rik Wehrens, *Beyond Two Communities. The co-production of research, policy and practice in collaborative public health settings*. March 2013, Erasmus Universiteit Rotterdam

Joeri Bruynickx, "Sound Science: Recording and Listening in the Biology of Bird Song, 1880-1980". April 2013, Maastricht

Jonathan Lal, *Valorization in Public Health Genomics — A Conceptual Development from Technology Transfer to Healthcare Integration*. November 2013, Maastricht

Lotte Krabbenborg, *Involvement of civil society actors in nanotechnology: creating productive spaces for interaction*. November 2013, Groningen

Mary Hadley, *Global standards, local practices—An argument for contextual policy-making, design of interventions and policy evaluation*. December 2013, Maastricht

Jasper Aalbers, *ECHOES OF THE CITY—Staging the Urban Soundscape in Fiction Film*. December 2013, Maastricht

Annelies Jacobs, *Het geluid van gisteren—Waarom Amsterdam vroeger ook niet stil was*, January 2014, Maastricht

Jess Bier, *Mapping Israel, Mapping Palestine*. April 2014, Maastricht

Dirk de Haen, *THE POLITICS OF GOOD FOOD—Why food engineers and citizen-consumers are talking at cross-purposes*. March 2015, Maastricht

Daan Boezeman, *Transforming adaptation—Authoritative knowledge for climate change governance*. July 2015, Nijmegen

Constance Sommerey, *The Ghost In The Classroom—Ernst Haeckel’s Rhetoric Of Evolution And Its Reverberations In German Biology Textbooks (1925-1958)*. September 2015, Maastricht

Nicolas Rossignol, *(on the concept of vulnerability as an alternative to the concept of risk: the use of an incident reporting system at the Belgian Nuclear Research Center (SCK) at Mol, Belgium)*. April 2016, Liège

Jos Rikers, *Education for Development. Exploring the potential of innovations in education, in particular applied in the Kenyan context*. June 2017, Heerlen

Esther Sri Astuti, *The Impact of Coffee Certification on the Economic Performance of Indonesian Actors*. May 2018, Maastricht

Mahendra Shahare, *Emergence of Synthetic Biology: Expectations, Resistance and Legitimation*. Dec 2019, IIT-Delhi Department of Humanities and Social Sciences

Tineke van der Schoor, *Strategies for Energy Reconfigurations Obduracy, values and scripts*. May 2020, Maastricht

Anna Bon, *INTERVENTION OR COLLABORATION? Redesigning Information and Communication Technologies for Development*. Dec 2020, Maastricht

Maarten Kok, *Knowledge for better health How to enhance the impact of research?* Xxx 2021, Vrije Universiteit Amsterdam

Kathleen Gregory, *Findable and reusable? Data discovery practices in research*. Xxx 2021, Maastricht

Ludovic Bonduel, *Instituting the Common(s) in the Digital Age: Between Politics and Technology*. May 2022, LUISS Guido Carli (Libera Università Internazionale degli Studi Sociali), Roma.

Abhinav Tyagi, *Social History of Biotechnology in India: A Study of Knowledge Networks (1920-1980)*. July 2023, Indian Institute of Technology Bombay.

Virgil Rerimassi, *Shaping the Unknown. New Developments in Technology Assessment to Align Synthetic Biology and Society*. Sept 2023, Technische Universiteit Eindhoven

## **MSc, MA, and MPhil examination boards**

External Examiner Sussex University, SPRU (2000-2004)  
 External Examiner Brunel University, CRICT (1997-2001)

## **Undergraduate teaching**

### **Science and culture studies, Maastricht University (since 1990)**

Coordinator specialisation Technological Culture  
 Course "In Beton Gegoten"  
 Courses Netwerkmaatschappij and "Network Society"  
 Course "Technological Culture. Views on Modernisation, Technology Development, and Democracy"  
 Course "Frankenstein's Hope: Problems of demarcation and democracy in a technological culture"  
 Skills training technology and science studies  
 Skills training interviewing  
 Skills training ethnography  
 Supervision of theses, internships  
 Supervision of honours students  
 Lectures

*Medical School, Maastricht University (1988 – 1999)*

Lecture series in 1<sup>st</sup> year on philosophy, history and sociology of science and technology, integrated in all modules  
Member teaching team 2<sup>nd</sup> year course on Medical Research

## Ten key publications

1	Bijker, W. E., Hughes, T. P., & Pinch, T. J. (1987). <i>The Social construction of technological systems : new directions in the sociology and history of technology</i> . Cambridge, Mass.: MIT Press.	<i>Widely considered to mark the beginning of the 'new sociology of technology', which analyses the contents of technological knowledge and the working of machines as social processes (The centerpiece of this volume is the 1984 article (with T.Pinch) "The Social Construction of Facts and Artefacts...", which was the most cited article of the journal Social Studies of Science until 2004 and now still the third most cited article ever)</i>
2	Bijker, W. E., & Law, J. (Eds.). (1992). <i>Shaping Technology / Building Society. Studies in Sociotechnical Change</i> . Cambridge, MA: MIT Press.  Also translated (with new introduction, Bijker, W.E. "25 Years of SCOT— reminiscences and reflections"): Bijker, W. E., et al. (Eds.). (forthcoming in 2008). <i>Διαμορφώνοντας την τεχνολογία/Δομώντας την κοινωνία. Επιλογή κλασσικών άρθρων (Shaping technology / building society, a selection of classical articles)</i> . Athens: NTU Athens University Press.	<i>Broadening the agenda of the new sociology of technology to also include wider societal questions and 'classic' sociological issues such as the emergence of social order</i>
3	Aibar, E., & Bijker, W. E. (1997). Constructing a City: The Cerdà Plan for the Extension of Barcelona. <i>Science, Technology &amp; Human Values</i> , 22(1), 3-30.	<i>Exemplary of extending the unit of analysis of the sociology of technology beyond the singular artefact, by opening up the scientific and technological dimensions of architecture and town planning for sociological analysis</i>
4	Bijker, W. E. (1995). <i>Of bicycles, bakelites, and bulbs : toward a theory of sociotechnical change</i> . Cambridge, Mass.: MIT Press.  Also translated: Bijker, W. E. (1998). <i>La bicicletta e altre Innovazioni</i> . Milano: McGraw-Hill Libri Italia.	<i>Key exposition of the social construction of technology (SCOT)</i>
5	Bijker, W. E., & Bijsterveld, K. (2000). Women Walking through Plans—Technology, democracy and gender identity. <i>Technology &amp; Culture</i> , 41(3), 485-515.	<i>Exemplary of extending the sociology of technology to issues of (gender) identity; and addressing one of the key questions of democracy in a technological culture—how to value other forms of expertise (such as 'lay' knowledge) in addition to scientific and technical expertise? (Abbot Payson Usher Prize 2002)</i>
6	Bijker, W. E. (2003). The Need for Public Intellectuals: A Space for STS. <i>Science, Technology &amp; Human Values</i> , 28(4), 443-450.	<i>Reflections on the intellectual, institutional, and professional agenda for science and technology studies in the next decade, also as response to 9/11</i>
7	Bijker, W. E. (2006). Why and How Technology Matters. In R. E. Goodin & C. Tilly (Eds.), <i>Oxford Handbook of Contextual Political Analysis</i> (pp. 681-706). Oxford: Oxford University Press.  Also translated: Bijker, W. E. (2005). ¿Cómo y por qué es importante la tecnología? <i>REDES, revista de estudios sociales de la ciencia</i> , 11(21), 19-53.	<i>Exemplary of reaching out to other scholarly communities: a commissioned chapter to translate the sociology of technology to the political sciences community</i>
8	Bijker, W. E. (2007). Dikes and Dams, Thick with Politics. <i>Isis</i> , 98, 109-123.	<i>Exemplary for extending the sociology of technology to addressing issues of politics, vulnerability, and development in an integrated way</i>
9	Bijker, W. E., Bal, R., & Hendriks, R. (2009). <i>Paradox of Scientific Authority: the role of scientific advice in democracies</i> . Cambridge, MA: MIT Press	<i>Addressing the fundamental issue of conceptualising the advisory role of science in democracy, while acknowledging the socially constructed nature of scientific knowledge</i>
10	Hommels, Anique, Mesman, Jessica, & Bijker, Wiebe E. (Eds.). (2013). <i>Vulnerability in Technological Cultures. New directions in research and governance</i> . Cambridge, MA: MIT Press.	<i>Sets out a research program that seeks to broaden risk questions to also include issues of (global) justice, equality, and development.</i>

## Complete list of publications

### Journal articles

#### in refereed journals

- Bijker, Wiebe E. 2023. 技术的社会建构——兼论若干相关的哲学问题 ("The Social Construction of Technology (SCOT) and Some Related Philosophical Puzzles"). *哲学分析 (Philosophical Analysis)* 14 (3) 2023: 156-175.
- Xing, Jack and Wiebe E. Bijker. 2023. "Zai shehui zhong xuexi jishu yu kexue: qifa, fangfa yu jineng" (在社會中學習技術與科學: 啟發, 方法與技能 (Studying Technology and Science in Society : Heuristics, Methods and Skills—An interview with Wiebe Bijker), 科学文化评论 Kexue wenhua pinglun (Science and Culture Review) 20/2: 62-79.
- Pandey, Poonam, Govert Valkenburg, Annapurna Mamidipudi, and Wiebe E. Bijker. 2021. "'All We Want, Is to Get Rid of the Straw': How Biofuel Policies Need to Be Multiple." *East Asian Science, Technology and Society: An International Journal* 15 (1):4-23. doi: 10.1080/18752160.2020.1868697.
- Bijker, Wiebe E. "Call for a New Social Contract between Science and Society." *Seminar*, no. 733 (2020): 16-21.
- Pandey, Poonam, Govert Valkenburg, Annapurna Mamidipudi, and Wiebe Bijker (2020) *Special issue on RRI in the Global South: "Responsible Research and Innovation in the Global South: Agriculture, Renewable Energy and the Pursuit of Symmetry—a Special Issue."* *Science, Technology and Society* 25, no. 2 (2020/07/01 2020): 213-356. <https://journals.sagepub.com/doi/full/10.1177/0971721820902961#articleShareContainer>
- Vermeulen, Niki, and Wiebe Bijker. (2018) "Ways of Knowing and Doing STS: Niki Vermeulen Talks with Wiebe Bijker." *Engaging Science, Technology, and Society* 4: 352-65.
- Mamidipudi, Annapurna, and Wiebe Bijker. "Innovation in Indian Handloom Weaving." *Technology & Culture* 59, no. 3 (2018): 509-45.
- Bijker, W. E. 2017. Constructing Worlds: Reflections on Science, Technology and Democracy (and a Plea for Bold Modesty). *Engaging Science, Technology, and Society*, 3, 315-331.
- Bijker, E. M., Sauerwein, R. W., & Bijker, W. E. (2016). Controlled human malaria infection trials: How tandems of trust and control construct scientific knowledge. *Social Studies of Science*, 46(1), 56-86.
- Bijker, W. E. (2013). "Good Fortune, Mirrors, and Kisses. Da Vinci Medal Address." *Technology & Culture* 54(3): 600-618.
- Bijker, W. E. (2012). Vulnerabilidad en culturas tecnológicas. In H. Thomas, M. Fressoli & G. Santos (Eds.), *Tecnología, Desarrollo y Democracia—Nueve estudios sobre dinámicas socio-técnicas de exclusión/inclusión social* (pp. 79-88). Buenos Aires: Ministerio de Ciencia, Tecnología e Innovación Productiva de la Nación. Bijker, Wiebe. (2012). Do we live in water cultures? A methodological commentary. *Social Studies of Science*, 42(4), 624-627. doi: 10.1177/0306312712441690
- Mamidipudi, Annapurna, B., Syamasundari, & Bijker, Wiebe. (2012). Mobilising Discourses: Handloom as Sustainable Socio-Technology. *Economic & Political Weekly*, xlvii(25), 41-51.
- Engel, Nora, & Bijker, Wiebe E. (2012). Innovating Tuberculosis Control in India. *Economic & Political Weekly*, 47(4), 111-118.
- Bijker, W. E. (2010). How is technology made? -That is the question! *Cambridge Journal of Economics*, 34(1), 63-76.
- Wesselink, A. J., Vriend, H. J. d., Barneveld, H. J., Krol, M. S., & Bijker, W. E. (2009). Hydrology and Hydraulics Expertise in Participatory Processes for Climate Change Adaptation in the Dutch Meuse. *Water Science and Technology*, 60(3), 583-595.
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