

CURRICULUM VITAE

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date of birth: August 8 1963
place of birth: Dordrecht
citizenship: the Netherlands
marital status: married, 2 children

EDUCATIONAL AND PROFESSIONAL CAREER

2017 – Chief Scientist JIVE
JIVE (Joint Institute for VLBI ERIC) is an international institute in Dwingeloo that promotes Very Long Baseline Interferometry, a radio astronomy technique to obtain extremely high-resolution observations.

2013 – Professor in Galactic Radio-astronomy at Leiden University (one day a week, two from 2017)

2007 – 2017 Director JIVE
Responsible for the science operations, funding acquisition, personnel and governance aspects of an institute of 25 FTE. The international responsibilities of the JIVE director include membership of international boards, like the European VLBI Network and RadioNet.

2005 – 2013 Associate Professor at Leiden University (for one day a week)

2003 – 2007 Head Software group at JIVE
Member of the JIVE Management Team, design and overview of operations software and user tools, managing and proposing collaboration projects.

1997 – 2003 Manager Science Operations & Software for the EVN correlator at JIVE
Member of the JIVE Management Team, control and planning of science operations, interacting with users of the European VLBI Network, managing support and operations staff.

1994 – 1997 JIVE support scientist at the VLBA correlator, Socorro, NM, USA

1992 – 1993 Postdoc with the “Astrochemistry” group of Prof. Ewine van Dishoeck

1987 – 1991 Thesis research on OH/IR stars at the Galactic centre with Prof. Harm Habing

1981 – 1987 Astronomy study at the University of Leiden

1975 – 1981 VWO at the “Stedelijk Gymnasium” Leiden

TEACHING AND SUPERVISION

2018 – Supervising 2 Master students in Leiden

2017 – Teaching Practical Astronomy to 100-80 first year astronomy students

2015 – Supervising Luis Quiroga-Nuñez PhD research in Galactic astrometry with VLBI and Gaia

2015 – 2016 Teaching Radio Astronomy course for master students in Leiden

2006 – 2012 Supervisor of thesis research Kalle Torstensson

2006 – 2011 Supervisor of thesis research Nikta Amiri

2007 – 2009 Co-supervisor of thesis of Dave Lommen with Ewine van Dishoeck

2006 Teacher of the national Dutch course on radio-astronomy (IAC)

1998 – 2002 Supervisor of thesis Wouter Vlemmings, which resulted in a ‘cum laude’

1992 – 1997 Assisted supervising a number of Leiden PhD students of Prof. Harm Habing & Prof. Ewine van Dishoeck.

1987 – 1992 Supervised 6 student graduation projects

ACHIEVEMENTS

- 2016 PI of the EC project JUMPING-JIVE (3M€ total, 1.5M€ for JIVE)
- 2016 Member of the writing team for EC project RadioNet4 (total 10M€, 1.3M€ for JIVE)
- 2013 – 2016 Negotiated the establishment of the European Research Infrastructure Consortium (ERIC) status for JIVE. The new legal entity was established in December 2014 and inaugurated in April 2015. This includes a commitment for 5 year funding by at least eight partners. Completed the transition of the legal and financial obligations of JIVE. Started negotiations with new partners.
- 2014 Associated with the funded NL-SKA roadmap proposal and NWO MeerKAT VLBI project (amounting to 0.6M€ for JIVE)
- 2014 Collaborator on a number of EC proposals: BlackHoleCam (0.4M€ to JIVE), ASTERICS (15M€ total, 0.8M€ to JIVE).
- 2012 Achieved “excellent” score for JIVE in a review by international experts. Secured the membership of South Africa to JIVE. Negotiated new funding cycle for JIVE.
- 2010 Co-proposer for the RadioNet3 Infrastructure proposal, which was successfully reviewed and started in 2012 (9.5M€, 2.6M€ for JIVE)
- 2009 – 2013 Successful preparation of NEXPREs proposal, addressing further enhancements of e-VLBI (3.5M€ total, 1.6M€ for JIVE). Served as coordinator of the project, which was completed with excellent score in 2013.
- 2007 – 2012 PI of the successful SCARIE and ExBoX proposals to NWO (total 0.9M€), focusing on ICT efforts to innovate the correlator platforms of the EVN
- 2008 Established new Memorandum of Agreement and a 5 year extension of JIVE funding
- 2005 – 2010 Node manager ESTRELA, a Marie Curie Early Stage Training network for radio-astronomy
- 1997 – 1999 Successfully commissioned the EVN Mk4 data process at JIVE, including the demonstration at the opening, first fringes, first image and lead author on the first scientific paper
- 1993 – 1995 In the context of my astrochemistry postdoc I proposed and carried out observations on the VLA, ATCA, OVRO, JCMT, WHT and IRAM30m
- 1992 Was awarded the “Koninklijke Shell travel award” for best thesis research at Leiden University in 1991
- 1987 – 1991 My thesis research was based on data take with the VLA, EVN, VLBA and various single dish radio telescopes, as well as some IR data and theoretical modelling. I completed a thesis containing 9 science chapters in 4 years.

ROLES AND REPRESENTATION

- 2018 – Member of the Event Horizon Telescope Consortium, Publication Review Group
- 2018 – Associate editor Experimental Astronomy for radio astronomy
- 2014 – Member of the Bessel consortium measuring the Galaxy parameters and spiral structure. In the BAaDe collaboration, tracing AGB stars in the inner Galaxy, responsible for planning the VLBI astrometry and synergy with Gaia.
- 2013 – Member of NL SKA klankbordgroep and Science working group on “Cradle of Life” and “The Galaxy”, as well as the VLBI Working Group
- 2008 – Member of the board of directors Leids Sterrewachtfonds, Jan-Hendirk Oortfonds and Leidsch Kerkhoven Bosscha Fonds. Chairman of the LKBF since 2011.
- 2015 – 2018 Chairman of the board of the SKA consortium for Signal and Data Transport
- 2013 – 2018 Member of the ALMA scientific advisory committees, both European and global
- 2014 – 2017 Member of the Royal Society Open Science Astronomy Editorial Board
- 2012 – 2017 Member of the astronomy board of the Leiden Lorentz Centre
- 2014 Organiser of the Lorentz workshop “Galactic Science with the SKA & Its Pathfinders”
- 2014 Scientific Organizing Committee EVN Symposium Cagliari
- 2014 Scientific Organizing Committee “Revolution in astronomy with ALMA – the 3rd year”, Tokyo
- 2011 Scientific Organizing Committee IAU 287, Cosmic Masers – from OH to H₂, South Africa

- 2010 – 2014 Scientific organizing committee EVN symposium Manchester, UK, Bordeaux, France and Cagliari, Italy and e-VLBI workshop Perth, Australia and Broederstroom, South Africa 2011
- 2010 – 2016 Project leader for QueSERA in RadioNet3 addressing governance issues in European radio astronomy
- 2009 – EC expert in various consultant and reviewing processes, including the ALMA enhancement project (band 5)
- 2009 – 2012 Project manager for the ALBiUS data processing software project in RadioNet FP7
- 2008 – 2012 Member of the European SKA Consortium and the board of prepSKA, preparing for the Square Kilometer Array
- 2007 – 2010 International EXPReS coordinator, an EC project to establish e-VLBI
- 2006 – 2008 Member of the ESO STC, chairman of the VLTI overview committee
- 2005 – 2012 Member of the NOVA Instrument Steering Committee
- 2005 – 2007 International project manager for FABRIC “Future Arrays of Broadband Radio-telescopes on Internet Computing”, part of the FP6 EXPReS, during which the SFXC correlator matured
- 2005 – Involved in the establishment of a Dutch node of the ALMA Regional Centre
- 2003 – 2007 International project manager for ALBUS (“Advanced Long Baseline User Software”), initiated ParselTongue, member of the RadioNet Executive Board
- 2004 – 2008 Involved in the eSMA project to include the JCMT in the SMA array
- 2003 – 2004 Co-chair of the SOC of “Dense Molecular Gas around Protostars and in Galactic Nuclei”
- 1997 – 2006 Member of the NOVA “onderwijscommissie”
- 1998 – 2005 Member of the EVN Program Committee
- 1994 – 1996 Member of the Operations Group and Scientific Review Committee for VSOP Space mission

SKILLS

- Management: Experienced manager with good people skills, steering professionals and technicians. Familiar with budgeting, institute management and funding acquisition. Experienced in international astronomical diplomacy. Acquainted with logistics and operations of a medium-sized astronomical facility. Successfully managed complex software projects.
- Teaching: Good track record in supervising undergraduate and graduate research projects. Regular experience in teaching classes in a wide range of technical and astrophysical topics.
- Software: Confident with a very large range of unix and OSX software tools. Familiar with Python, Perl, C++, Fortran. Experience in writing and maintaining user applications. Carried out overall system design for radio-astronomy software problems.
- Languages: Fluent in Dutch and English, moderate in French, German, Spanish.
- Hobby's: Sports (tennis, cycling, golf, cricket), cooking, photography and popular music

PUBLICATION RECORD

My full publication list contains 250 papers (102 in refereed journals) on a wide range of astrophysical and computational subjects with an emphasis on high-resolution studies of interstellar masers. A number of popular papers and editorial responsibilities for international conferences are included.

SECONDARY OCCUPATIONS

- 1980 – 1982 Member of the administration of a sports club
- 1982 – 1986 A number of organizational functions at a students' society Augustinus: editor of the journal, treasurer of the students' club.
- 2001 – 2009 Member of the local school "Medezeggenschapsraad", delegate to the "Gemeentelijke Medezeggenschapsraad", chairman of a "Stichting" for financial support.
Treasurer of the "Gemeentelijke Bestuurscommissie Openbaar Primair Onderwijs", responsible for 14 schools in and around Hoogeveen.
- 2007 – 2016 Coach of a boys field-hockey team. Senior referee and member of the Technical Committee
- 2013 – Frontman of the ASTRON/JIVE house band.