

Curriculum Vitae – Bram Venemans

PERSONAL INFORMATION:

Name	Bram Pieter Venemans	Address	Max-Planck-Institut für Astronomie
Date of birth	20th of June 1977		Königstuhl 17
Nationality	Dutch		69117 Heidelberg
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EDUCATION

2000 – 2005 Ph.D., Leiden Observatory, Leiden University, The Netherlands
 1999 – 2000 M.Phil., Cavendish Laboratory, University of Cambridge, United Kingdom
 1995 – 1999 M.Sc., Leiden Observatory, Leiden University, The Netherlands
 1989 – 1995 High school “Spinoza Lyceum”, Amsterdam, The Netherlands

RESEARCH EXPERIENCE

Nov 2012 – Research Staff Scientist at the Max Planck Institute for Astronomy
 Oct 2011 – Oct 2012 Research Associate at the Max Planck Institute for Astronomy
 Oct 2008 – Sep 2011 ESO Fellow at ESO headquarters, Garching bei München, Germany
 Oct 2005 – Sep 2008 Research Associate at the Institute of Astronomy, University of Cambridge, United Kingdom
 Jul 2005 – Sep 2005 Research Associate at the Leiden Observatory, Leiden University, The Netherlands
 Oct 2000 – Apr 2005 Ph.D. project in Astronomy at the Leiden Observatory, Leiden University, The Netherlands
 Title: Protoclusters associated with distant radio galaxies
 Promotor: Prof. Dr. G. K. Miley
 Oct 1999 – Jul 2000 Masters project in Astronomy at the Astrophysics Group, Cavendish Laboratory, University of Cambridge, United Kingdom
 Title: The visibility of short-lived luminous events in dusty environments
 Supervisor: Dr. A. W. Blain
 Mar 1998 – Aug 1999 Masters project in Astronomy at the Leiden Observatory, Leiden University, The Netherlands
 Title: A cluster of galaxies around a high redshift radio galaxy?
 Supervisor: Dr. H. J. A. Röttgering

RESEARCH INTERESTS

- The most distant quasars and the evolution of massive black holes in the early Universe
- The end of the Dark Ages and the Epoch of Reionisation
- Star formation and the Interstellar Medium in quasar host galaxies
- Galaxy environment of distant active galactic nuclei
- Large scale optical and infrared surveys

AWARDS & FELLOWSHIPS

2008–2011 ESO Fellowship
 1999 A “Scholarship for Talents” of fl. 36 000.- (USD 22 000), given by the Minister of Education of the Netherlands to talented undergraduate students in a national, university wide competition.

RESEARCH SKILLS

Extensive background in observational cosmology, galaxy formation and evolution, and formation of large scale structure. Very experienced in reducing, analysing and interpreting large sets of optical and infrared imaging and multi-object spectroscopy data. Thorough knowledge of large survey databases (SDSS, UKIDSS, VISTA, Pan-Starrs1). Experienced with mm interferometry data from the Plateau de Bure Interferometer (PdBI) and the Atacama Large Millimeter Array (ALMA). Extensive expertise in IDL, IRAF, SQL and Latex.

TEACHING EXPERIENCE

- 2014– Supervisor of PhD student C. Mazzucchelli at MPIA in Heidelberg
- 2011–2015 Supervisor of PhD student E. Bañados at MPIA in Heidelberg
- 2007–2011 Supervisor of PhD student K. Bayliss at the IoA in Cambridge
- 2001–2005 Supervision of six student research projects at Leiden Observatory:
 - “Ly α emission line halos at $z \sim 2$ ”, R. Berkhout
 - “Subaru wide field imaging of the protocluster 1338–1942 at $z = 4.1$ ”, H. Intema
 - “An Integral Field Unit search for Ly α emitters”, C. van Breukelen
 - “Multi wavelength observations of a protocluster at $z = 2.1$ ”, N. ter Haar
 - “Characterization of objects near bright stars”, C. van Breukelen
 - “A search for Ly α halos at $z = 3$ ”, S. von Benda-Beckman
- 2002–2003 Teacher of practical of the course “Stars”
- 2001–2002 Assistant of first year practical course “Astronomy lab 1”

OBSERVING EXPERIENCE

- 2011 & 2014 ESO NTT, Chile
- 2008 Isaac Newton Telescope 2.5m, La Palma
- 2006 – 2008 3 observing runs (including build-up, commissioning and science verification) with the visitor instrument DAZLE on the ESO VLT, Chile (30 nights in total)
- 2006 – 2008 3 observing runs on the ESO VLT, Chile, ESO NTT, Chile and INT, La Palma
- 2004 Isaac Newton Telescope 2.5m, La Palma
- 2001 – 2003 9 observing runs on the ESO VLT, Chile and the Keck telescope, Hawaii
- 1998 ESO NTT, Chile

MISCELLANEOUS

- 70 refereed papers (2706 citations, 14 first author, h -index 30)
- Referee for Nature, ApJ, A&A, MNRAS, MNRAS Letters and PASJ
- Lead of the VISTA Kilo-degree Infrared Galaxy survey (VIKING) High Redshift Quasars working group
- Co-lead of the Pan-STARRS1 key project 10 “High redshift quasars”
- CoI of the VISTA Hemisphere Survey (VHS) and the VISTA Deep Extragalactic Survey (VIDEO)

OUTREACH ACTIVITIES

- 2001–2004 Several public lectures for high school students, undergraduate students and amateur astronomers throughout The Netherlands.