

Prof. Dr. Glenn van de Ven

Work address

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Personal Information

Date of Birth: Oct. 2, 1977
Citizenship: Netherlands
3 children (2007, 2008, 2011)

Short profile

I am Full Professor of Theoretical Extragalactic Astrophysics in the Department of Astrophysics at the University of Vienna since March 2019. My research group (<https://dynamics.univie.ac.at>) is one of the few in the world that has the expertise and machinery to construct detailed dynamical models of globular clusters and nearby galaxies. This enables us to infer the luminous and dark matter distribution of these stellar systems, as well as to uncover their formation history. Our pioneering code for orbital modelling of stellar systems is today publicly released under the name DYNAMITE (https://dynamics.univie.ac.at/dynamite_docs/index.html). Since 2010, I have successfully built a diverse research group (>50% women) with various MSc, BSc and summer students and so far 15 PhD students and 14 postdocs, many of them supported through third-party funds. I am also actively contributing to the astronomical society: from being a core member of leading international collaborations such as the CALIFA Survey, Fornax Deep Survey, Fornax 3D Survey, to discussions leader and principal organiser of numerous international meetings.

Academic employment

2022 – ... Head of the *Department of Astrophysics* & Director *Vienna Observatory*
2022 – ... Director *Vienna International School of Earth and Space Sciences (VISESS)*
& Director Doctoral Study Program (DSPL) *Earth Sciences, Geography and Astronomy*
2020 – 2022 Deputy-Head of the *Department of Astrophysics*
2020 – 2022 Coordinator of the Branch Cosmos of doctoral school VISESS
& vice-Director Doc. Study Program (vDSPL) *Earth Sciences, Geography and Astronomy*
2020 – ... Council member of the Faculty of Earth Sciences, Geography and Astronomy
2019 – ... Full Professorship of Theoretical Extragalactic Astrophysics
Department of Astrophysics, University of Vienna, Austria
2017 – 2019 International Staff Member, Faculty Astronomer
European Southern Observatory (ESO), Garching bei München, Germany
2009 – 2018 Research Group Leader & Tenured Staff Member
Max Planck Institute for Astronomy (MPIA), Heidelberg, Germany
2006 – 2009 Hubble Postdoctoral Fellow
Institute for Advanced Study, Princeton, USA
2006 Astrophysics Postdoctoral Fellow
Princeton University, Princeton, USA

Academic education

2001 – 2005 Ph.D. in Astronomy at Leiden University (with honour)
Thesis title: *Dynamical structure and evolution of stellar systems*
Supervisor: Prof. Dr. Tim de Zeeuw
1999 – 2001 M.Sc. in Astronomy + Mathematics at Leiden University (both with honour)
Thesis title: *Kinematics of triaxial galaxies: solving the Jeans equations*
Supervisors: Prof. Dr. Tim de Zeeuw & Prof. Dr. Bert Peletier
1996 – 1999 B.Sc. in Astronomy + Mathematics at Leiden University
1996 – 1997 Computer Science propaedeuse (first year undergraduate) at Leiden University

Supervision and teaching

2010 – ... 14 postdoctoral researchers at MPIA (7) and UniVie (7)
2010 – ... 15 PhD students at Heidelberg Univ. (11) and UniVie (4)
2004 – ... BSc and MSc students at Leiden Univ., Heidelberg Univ., UniVie

2019 – ... Lecturer at University of Vienna
 2010 – 2017 Lecturer at Heidelberg University
 1998 – 2005 Tutor and teaching assistant at Leiden University

Academic achievements

2019 – ... Reviewer for faculty hiring and promotion in USA, Austria, Mexico
 2012 – ... Reviewer for funding agencies, incl. ERC/EU, URF/UK, NWO/Netherlands, FONDECYT/Chile, ANR/France, SNSF/Switzerland, AvH/Germany
 2010 – ... External PhD examiner in Austria (3), France (1), NL (5), UK (2)
 2004 – ... Referee astrophysical journals, incl. MNRAS, AJ, ApJ, Science
 2014 – 2017 Member Works Council (Betriebsrat) at MPIA
 2010 – 2017 Science Team Member and Project Scientist for LINC-Nirvana at MPIA
 2009 – 2016 Board member of CALIFA Collaboration gathering more than 100 researches from over 25 institutions worldwide

2022 – 2026 FWF / Special Research Programme SFB F68 "Tomography Across the Scales" funding or 1 PhD position and 1 postdoc position
 2017 – 2023 EU / ERC Consolidator Grant "ArcheoDyn" funding (2 million Euros) for 2 PhD positions and 2 postdoc positions
 2015 – 2018 German Academic Exch. Service (DAAD) funding for 1 PhD position
 2012 – 2015 EU / Initial Training Network "DAGAL" funding for 1 PhD position
 2011 – 2018 DFG / Collaborative Research Center SFB 881 "The Milky Way System" funding for 1 PhD position and 1 postdoc position

Organisation of international conferences: Principal Organiser (PO) or Scientific Organisation Committee (SOC) member of the following international meetings in the past five years:

- *Fornax3D Team Meeting*, Vienna, Austria & online, 10-12 May 2022, 30 participants (PO)
- *Dynamite v0.0 release event*, International Workshop, Vienna, Austria + remote, 13-14 October 2020, 32 participants (PO)
- *Dynamical Reconstruction of Galaxies*, International Conference, Lorentz Center, Leiden, Netherlands, 17-21 February 2020, 55 participants (PO)
- *Machine Learning Tools for Research in Astronomy*, International Conference, Ringberg Castle, Tegernsee, Germany, 9 – 13 December 2019, 40 participants (SOC)
- *Dynamics Workshop*, Vienna, Austria, 8-11 October 2019, 20 participants (PO)
- *Schwarzschild Dynamics Workshop*, Sydney, Australia, 3-7 June 2019, 20 participants (PO)
- *Survival of Dense Star Clusters in the Milky Way System*, International Conference, Haus der Astronomie, Heidelberg, 19 – 23 November 2018, 80 participants (SOC)
- *Star Clusters around the Milky Way and in the Local Group*, International Conference, Heidelberg University, Heidelberg, 15 – 17 August 2018, 45 participants (SOC)
- *Dynamics Mini Workshop*, ESO, Garching, 9-11 July 2018, 6 participants & MPIA, Heidelberg, 10-12 April 2018, 16 participants (PO)
- *Fornax3D Team Meeting*, ESO, Garching, Germany, 14 – 15 Feb. 2018, 22 participants (PO)
- *The exciting lives of galactic nuclei*, International conference, Ringberg Castle, Tegernsee, Germany, 27 February – 3 March 2017, 40 participants (PO)

Selected invited presentations: Numerous invited presentations at international meetings and institutes, including the following ten selected presentations in the past five years:

- Invited Colloquium: *The colourful past and dark side of galaxies unveiled through population-dynamics of their stars*, (remote) Swinburne U. of Technology, Melbourne, Australia, 08.12.2022
- Invited Talk: *Comparing Extragalactic and Galactic Stellar Observations*, International Conference "Linking the Galactic and Extragalactic", Wollongong, Australia, 02.12.2022

- Invited Talk: *Linking Galaxies Near and Far with Integral Field Unit Spectroscopy, SFB F68 "Tomography Across the Scales"*, Windischgarsten, Austria, 22.06.2022
- Invited Public Talk: *The colourful past and dark side of galaxies*, (remote) Wiener Arbeitsgemeinschaft für Astronomie (WWA), Austria, 20.11.2021
- Invited Talk: *The Nature of Dark Matter unveiled through Synergy of Astrophysics and Particle Physics*, (remote) Faculty of Physics, University of Vienna, Austria, 01.06.2021
- Invited Talk: *Uncovering past galaxy mergers via population-dynamics of their stars*, (remote) Milan-Bicocca University, Milan, Italy, 07.05.2021
- Invited Talks: *The colourful past and dark side of galaxies unveiled through population-dynamics of their stars*, (remote) LJMU, Liverpool, UK, 03.03.2021; Texas A&M, Austin, USA, 01.02.2021; USM, Munich, Germany, 15.07.2020
- Invited Talk: *Uncovering the formation history of galaxies through population-dynamics of their stars*, (remote) European Astronomical Society (EAS), Leiden, Netherlands, 03.07.2020
- Invited Public Talk: *Exposing the intimate life of galaxies*, Vienna, Austria, 13.09.2019
- Invited Talks: *The colourful past and dark side of galaxies unveiled through population-dynamics of their stars*, SIfA + Macquarie University in Sydney, RSAA-ANU Canberra, UWA-ICRAR Perth, 01-22.06.2019
- Invited Talk: *The build-up and break-down of galaxies unveiled through chemo-dynamics of their globular clusters*, international conference "The formation of globular clusters at high and low redshift; tracing star and cluster formation across cosmic times", Sexten, Italy, 18.07.2018
- Invited Talk: *Globular clusters as living fossils of the past of galaxies*, international meeting "Globular Clusters in the Gaia Era", International Space Science Institute (ISSI), Bern, Switzerland, 25.01.2018
- Invited Talks: *The colourful past and dark side of galaxies unveiled through population-dynamics of their stars*, Universities of Surrey, St. Andrews & Edinburgh, UK, 03, 07 & 08.11.2017

Refereed publications:

- ORCID: 0000-0003-4546-7731
- Summary: until end February 2023, a total of 255 refereed papers in international recognised astronomical and astrophysical journals, having received over 15,000 citations, leading to current h-index of 58 and i10-index of 202.
- Follow this [link](#) for all publications through the SAO/NASA Astrophysics Data System (ADS).