

CURRICULUM VITAE: EWINE FLEUR VAN DISHOECK

- Current address:** Leiden Observatory
P.O. Box 9513
2300 RA Leiden
The Netherlands
Tel. (31)-71-5275814
e-mail: ewine@strw.leidenuniv.nl
<http://www.strw.leidenuniv.nl/~ewine/>
Max-Planck Institute für
Extraterrestrische Physik
Germany
- Education:** University of Leiden:
B.Sc. Chemistry (cum laude) 31-01-1976
B.Sc. Mathematics 01-02-1977
M.Sc. Chemistry (summa cum laude) 15-01-1980
Ph.D. (cum laude) on thesis
Photodissociation and excitation of interstellar molecules
Advisors: H.J. Habing and A. Dalgarno 19-06-1984
- Positions:** Junior Fellow, Harvard Society of Fellows 01-07-1984/01-07-1987
Visiting member, Institute for Advanced Study 01-09-1984/01-09-1988
Visiting professor, Princeton University 01-07-1987/01-07-1988
Assistant Professor of Cosmochemistry, Caltech 06-09-1988/30-04-1990
Senior Lecturer, University of Leiden 01-05-1990/31-03-1995
Professor of Molecular Astrophysics, University of Leiden 01-04-1995/-date
External Scientific Member, Max-Planck Institut
für Extraterrestrische Physik, Garching 01-11-2007/-date
Scientific Director NOVA 01-09-2007/-date
Faculty professor UL 01-04-2012/-date
- Memberships:** Royal Dutch Academy of Sciences
Foreign Associate, US National Academy of Sciences
Foreign Honorary Member, American Academy of Arts & Sciences
Member, Leopoldina Academy of Sciences Germany
Member, Norwegian Academy of Sciences
Foreign Member, Russian Academy of Sciences
Associate member, Royal Astronomical Society UK
Koninklijke Hollandsche Maatschappij der Wetenschappen
American Astronomical Society, honorary member
International Astronomical Union
Koninklijke Nederlandse Chemische Vereniging
- Research:** Interstellar molecules; Physical and chemical evolution during star- and planet-formation
Astrochemistry; Submillimeter and mid-infrared astronomy;
Basic molecular processes, Radiative transfer of line and continuum
Laboratory astrophysics
- Publications:** Authored or co-authored 635 refereed papers, 63 invited reviews, >450 conference
contributions, 26 miscellaneous and popular papers, and editor of 2 books;
~44000 citations; h-index 107 (NASA-ADS)
- Outreach (sel.):** www.strw.leidenuniv.nl/WISH/outreach.php
www.strw.leidenuniv.nl/WISH/press.php

Other affiliations and honors:

Prix Jules Janssen, French Astronomical Society, 2020
Honorary Doctorate, University of Geneva, 2019
Karl Schwarzschild medal, Astronomische Gesellschaft Germany, 2019
Larmor lecture, Queen's University, Belfast, 2019
Kavli Prize for Astrophysics, 2018
James Craig Watson Medal, US National Academy of Sciences, 2018
Portrait inducted in senate room, Leiden University, 2018
CSH lecturer, Bern, 2017
John Bahcall lecturer, StScI/Goddard, 2016
Albert Einstein world award for science, 2015
Lodewijk Woltjer prize lecture, European Astronomical Society, 2014
Lise Meitner Göteborg award in physics, 2014
Sir Robert Wilson lecturer, UCL, 2015
Halley lecturer, Oxford University, 2013
Sackler lecturer, Tel Aviv University, 2013
Academy professor, Royal Dutch Academy of Sciences, 2012
Advanced ERC award, 2012
Kavli prize lecturer, AAS laboratory astrophysics, 2012
Greenstein lecturer, California Institute of Technology, 2012
Cornell University lecturer, Cornell, 2012
Hewish lecture, Cambridge University, 2011
Spitzer lectures, Princeton University, 2009
Niels Bohr lecture, University of Copenhagen, 2008
Grubb-Parson award lecture, University of Durham, 2007
Petrie award and lecture, Canadian Astronomical Society, 2007
Lindsay prize lecturer, Goddard Space Flight Center, 2006
Chemerda lecturer, Penn State University, 2005
Cecilia Payne-Gaposchkin lecturer, Harvard University, 2005
Physica lecture and prize, Netherlands Physical Society, 2005
Helen Sawyer-Hogg distinguished visitor, University of Toronto, 2004
Moore distinguished scholar, California Institute of Technology, 2003
Aaronson award and lecture, University of Arizona Tucson, 2001
Bourke medal and lectureship, Royal Society of Chemistry UK, 2001
Spinoza prize, Netherlands Organization for Scientific Research (NWO), 2000
Miller Research Professor, University of Berkeley, 2000
Distinguished visitor, JILA, University of Colorado, 1999
Bishop lecturer, Columbia University, 1998
Tinsley Visiting Professor, University of Texas, 1997
Gold Medal, Royal Dutch Chemical Society, 1994
Maria Goeppert-Mayer Award, American Physical Society, 1993
PIONIER award NWO, 1990-1995
Pastoor Schmeits prize of Dutch Astronomy, 1986
Franchimont prize of the Leiden Chemistry Department, 1980

Selected Science Policy Functions:

President IAU	2018–2021
President-elect IAU	2015–2018
Board of Trustees, Institute for Advanced Studies, Princeton	2018–
Co-Editor ARA&A	2010–
Associate editor ARA&A	2005–2009
Member of the ESA Space Sciences Advisory Committee	2013–2015
Member of the NWO Physical Sciences Board (GB-E)	2012–2016
Chair, KNAW committee on future large infrastructures	2014–
Member, NWO permanent committee on large infrastructures	2015–
Member of the PlanetS review board	2014–
Member and chair (≥ 2011) of the Harvard visiting committee	2003–
Member of the Fachbeirat MPIA Heidelberg	2002–2014
Member of the Kavli institute visiting committee Beijing	2012
Member of the ETH Dept. of Physics visiting committee	2013
President IAU Division H Interstellar Matter & Local Universe	2012–2015
Co-PI, European JWST–MIRI Consortium	2001–
Member of the ALMA Board	2006–2011
Coordinator, Fundamentals of Science profile area UL	2009–2018
Member and chair (2001) of the ALMA Science Advisory Committee	1999–2005
Chair of the European ALMA Science Advisory Committee	2003–2006
ALMA European Project Scientist	2002–2003
Member of the SMA advisory committee	2005–2008
Member of the IRAM visiting committee	2010, 2018
Member of the INAF Arcetri visiting committee	2007
Co-I of the Herschel–HIFI Science team	1997–
Member of the Board of the Space Research Organization Netherlands (SRON)	2000–2012
Chair, Scientific Advisory Committee SRON	2007–2008
Chair, Science Advisory Committee, Faculty of Mathematics & Sciences, Univ. of Leiden	2003–2010
Member of the Board of the James Clerk Maxwell Telescope	1996–2000
Member of the ESA Astronomy Working Group	1999–2001
Member of the NGST-ESA Science Study Team	1998–1999
Member of the NASA NGST Ad Hoc and Interim Science Working Group	1999–2001
Chair, International Astronomical Union working group on Astrochemistry	1999–2011
Secretary, International Astronomical Union working group on Astrochemistry	1991–1999
Member of the Organizing Committee of IAU commission 34 on Interstellar Matter	1994–2000
Member/vice-president of IAU commission 14 on Atomic & Molecular Data	2006–2012
Chair, Working group 5 on Molecular Data, IAU commission 14	1994–2003
Member of the NRAO Advisory Committee for the Millimeter Array	1994–1999
Scientific PI, Dutch Millimeter Array working group and NOVA receiver development	1994–2005
Coordinator, NOVA network on <i>Birth and Death of Stars and Planets</i>	1998–2007
Associate of the ISO–SWS Science team	1990–2001
Member of the VISIR Science team	1997–2007
Member of the RSC Astrophysical Chemistry committee	1998–2001
Member, VICI selection committee, Chemical Sciences	2003, 2006
Member, VICI selection committee, Exact Sciences	2007
Member, Science Advisory Committee, Faculty of Mathematics & Sciences, Univ. of Leiden	1996–2002
Member, Raad van Toezicht, LION	2000–2012
Member, Lorentz Center Astronomy Board	2004–2007
Chair, SOC for IAU Symposium 231 on <i>Astrochemistry</i> , Asilomar	2005
Co-chair, SOC From circumstellar disks to planetary systems, Garching	2009
Chair, SOC for IAU Symposium 280 on <i>The Molecular Universe</i> , Toledo	2011
Co-organizer of numerous other national and international meetings and workshops	

PhD students supervised:

R.A. Beärda (w. M. van Hemert), D.J. Jansen, M.C. Spaans, O. Shalabiea (w. J.M. Greenberg), P. Gerakines (w. D. Whittet), F.P. Helmich, M.R. Hogerheijde, A. Li (w. J.M. Greenberg), F. van der Tak, R. van Harreveld (w. M. van Hemert), G.J. van Zadelhoff, W.F. Thi, A. Al-Renawi (w. G.J. Kroes), E. Pijpers (w. G.J. Kroes), A. Boonman, G. Munoz-Caro (w. W. Schutte), K. Pontoppidan, J. Jørgensen, F. van Broekhuizen (w. S. Schlemmer), B. Jonkheid, P. Stäuber (w. A. Benz), F. Lahuis, V.C. Geers, S. Bisschop (w. H. Linnartz), D. Lommen, T.A. van Kempen, R. Visser, K. Öberg (w. H. Linnartz), S. Ioppolo (w. H. Linnartz), J. Bast (w. A. Tielens), I. Oliveira (w. K. Pontoppidan), U. Yıldız (w. L. Kristensen), K. Isokoski (w. H. Linnartz), A. Karska, D. Harsono, I. San Jose-Garcia, N. van der Marel, X. Li (w. A. Heays), M. Drozdovskaya (w. C. Walsh), N. Murillo, A. Miotello (w. S. Bruderer), N. Ligterink (w. H. Linnartz), K.J. Chuang (w. H. Linnartz), A. Bosman (w. A. Tielens), S. van Terwisga (w. M. Hogerheijde), M. van 't Hoff (w. J. Tobin), P. Cazzoletti (w. L. Testi), L. Tychoniec, M. van Gelder, L. Woelfer, M. Leemker, P. Nazari, A. Izquierdo Cartagena (w. L. Testi).

Postdocs supervised or mentored:

A. Offer, K. Verbeek, G.J. Kroes, H.J. van Langevelde, W.A. Schutte, P. Ehrenfreund, C. de Boisanger, A. Koch, F.P. Helmich, C.M. Wright, H.J. Fraser, F.L. Schöier, S. Andersson, J.C. Augereau, I. Kamp, G. Fuchs, B. Merín, A. Crapsi, S. Bottinelli, J.M. Brown, L. Kristensen, G. Herczeg, S. Bruderer, D. Fedele, J. Mottram, C. Walsh, M. Kama, M. Persson, P. Pinilla, A. Heays, K. Furuya, J. Tobin, Th. Bisbas, S. Facchini, A. Hacar, D. Harsono, A. Cridland, Y. Liu, G. Rosotti, B. Tabone, A. Booth.