

CURRICULUM VITAE: EWINE FLEUR VAN DISHOECK

- Current address:** Leiden Observatory
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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
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 562 refereed papers, 60 invited reviews, >450 conference
contributions, 25 miscellaneous and popular papers, and editor of 2 books;
~36200 citations; h-index 97 (NASA-ADS)
- Outreach (sel.):** www.strw.leidenuniv.nl/WISH/outreach.php
www.strw.leidenuniv.nl/WISH/press.php

Other affiliations and honors:

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:

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| 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– |
| 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 |
| 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. 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, M. Drozdovskaya, N. Murillo, A. Miotello, N. Ligterink (w. H. Linnartz), K.J. Chuang (w. H. Linnartz), A. Bosman, S. van Terwisga, M. van 't Hoff, P. Cazzoletti, L. Tychoniec.

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. Merin, 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