

Curriculum Vitae Nienke van der Marel

CONTACT INFORMATION	NRC Herzberg 5071 West Saanich Rd. Victoria BC V9E 2E7 Canada	Phone: +1 250 363 3247 Mobile: +1 250 886 8959 E-mail: astro@nienkevandermarel.com www: http://www.nienkevandermarel.com
PERSONAL	Date of birth: February 2nd, 1986 Place of birth: Groningen, the Netherlands Nationality: Dutch	
ACADEMIC JOBS	2017 - present	NRC Research fellow, NRC Herzberg Institute for Astrophysics, Victoria, BC, Canada
	2015 - 2017	Beatrice Watson Parent Fellow, Institute for Astronomy, University of Hawaii, USA
	2011 - 2015	PhD candidate, Leiden Observatory, Leiden University, the Netherlands
EDUCATION	Leiden Observatory: 2011 - 2015 PhD Astronomy with professor Ewine van Dishoeck (degree Cum Laude) <i>Thesis: Mind the gap: gas and dust in planet-forming disks</i> 2009 - 2011 Master Astronomy and Instrumentation, Research track <i>Theses: - A prototype interferometric polarization compensator</i> <i>- Outflow properties of Class I objects in Ophiuchus</i> 2004 - 2009 Bachelors Physics and Astronomy <i>Thesis: Infrared spectroscopy of interstellar ice mixtures of H₂O, CO and CO₂</i> Christiaan Huygens College Eindhoven: 1998 - 2004 VWO, section Science and Technology with Latin and Greek	
RESEARCH INTERESTS	Protoplanetary disks – Millimeter interferometry – Molecular line modeling – Astrochemistry – Planet formation theory – Dust radiative transfer – SED modeling – Direct imaging (AO/coronagraphy) – Instrumentation	
PUBLICATIONS	10 first-author refereed publications, 30 co-author refereed publications (see publication list). 1325 citations total, including a first-author paper in <i>Science</i> (2013) with 295 citations	
AWARDS AND NOMINATIONS	<ul style="list-style-type: none">• Honorary mention for Christiaan Huygens Award 2018 by the Royal Dutch Academy of Sciences (KNAW)• ALMA Ambassador 2017, NRAO, Charlottesville, Virginia, USA (\$10k)• C.J. Kok award Dissertation of the year 2015, Leiden University, the Netherlands• PhD Cum Laude, Leiden University, the Netherlands• Finalist Young Speaker Contest Fysica 2014, Dutch Physical Society, the Netherlands• Runner up Discoverer of the Year 2013, Faculty of Science, Leiden University, the Netherlands• Winner Bachelorproject competition (organized by Dutch Physical Society), Fysica 2009, the Netherlands	
TEACHING	August 2019	Lecturer at Summer School on Planet formation, Niels Bohr International Academy
	Spring 2018	Guest lecturer in undergrad course ASTR255 'Planetary sciences', University of Victoria
	Spring 2017	Lecturer in two month graduate seminar ASTR736 'Astrochemistry', University of Hawaii
	Spring 2017	Lecturer one-day workshop as ALMA Ambassador, University of Hawaii
	Fall 2016	Guest lecturer in undergrad course ASTR494 'Senior Researchmethods', University of Hawaii
	Fall 2015	Lecturer one-week workshop ALMA data reduction and DALI usage, Leiden Observatory
	2010-2012	Teaching Assistant 3 semesters undergrad course 'Observing techniques', Leiden Observatory
STUDENT SUPERVISION	Spring 2019	Supervision Coop student Maryum Sayeed (UBC), NRC Herzberg
	Fall 2018-	Supervision graduate student Logan Francis, University of Victoria
	Fall 2018-	Cosupervision graduate student Jiaqing Bi with Ruobing Dong, University of Victoria
	Summer 2018	Supervision Coop student Nathaniel Comeau (UVic) with Henry Ngo, NRC Herzberg
	Summer 2017	Supervision REU student Elena Allen (Berkeley), University of Hawaii
	2015-2016	Cosupervision grad student Christian Flores on master project, University of Hawaii
	2014-2015	Supervision master student Bart Verhaar, Leiden Observatory
	2013-2014	Supervision master students Sierk van Terwisga and Roman Tatch, Leiden Observatory

TALKS AND
POSTERS

- July 2019 Great barriers in planet formation, Palm Cove, Australia (**Invited review**)
- April 2019 University of Toronto Colloquium, Toronto, ON, Canada (**Invited talk**)
- March 2019 McMaster University Colloquium, Hamilton, ON, Canada (**Invited talk**)
- Oct 2018 NRAO Colloquium, Charlottesville, VA, USA (**Invited talk**)
- Oct 2018 University of Oklahoma Colloquium, Norman, OK, USA (**Invited talk**)
- Sept 2018 Current and future trends in debris disk science, Victoria, BC, Canada (Contr. talk)
- July 2018 Aspen Centre for Physics Colloquium, Aspen, CO, USA (**Invited talk**)
- July 2018 Astrochemistry: Past, Present & Future, Pasadena, CA, USA (Contr. talk)
- June 2018 Astrophysical Frontiers in the next decade and beyond, Portland, OR, USA (Contr. talk)
- May 2018 CASCA, Victoria, BC, Canada (Contr. talk)
- March 2018 ESO Workshop Diversis Mundi, Santiago, Chile (**Invited review**)
- Oct 2017 Frank N. Bash symposium, Austin, TX, USA (**Invited talk**)
- June 2017 Protoplanetary Disks and Planet Formation, MIAPP, Garching, Germany (Contr. talk)
- March 2017 IAUS 332, Puerto Varas, Chile (Poster)
- Sept 2016 Berkeley CIPS seminar, Berkeley, CA, USA (**Invited talk**)
- May 2016 Resolving planet formation in the era of ALMA & XAO, ESO, Santiago, Chile (Contr. talk)
- April 2016 Young Solar Systems, Sant Cuget, Spain (**Invited talk**)
- March 2016 Synergistic Science in the Radio Regime, Carnegie, Pasadena, CA, USA (**Invited review**)
- March 2016 Planet formation and evolution conference, Duisburg, Germany (**Invited review**)
- March 2016 Protoplanetary Discussions, Edinburgh, UK (Contr. talk)
- May 2015 NAC (Dutch Astronomical Conference), Noordwijk, the Netherlands (Contr. talk)
- May 2015 IAUS 314, Atlanta, GA, USA (Contr. talk)
- April 2015 NOVA Network 2 meeting, Leiden, the Netherlands (Contr. talk)
- March 2015 Workshop Transitional disks, Lorentz Center, Leiden, the Netherlands (Contr. talk)
- Sept 2014 Science Day, Leiden Observatory, Leiden, the Netherlands (Contr. talk)
- Sept 2014 Planet formation and evolution conference, Kiel, Germany (Contr. talk)
- July 2014 Planetary systems across the HR diagram, Cambridge, UK (Poster)
- April 2014 Herbig AeBe conference, Santiago, Chile (Contr. talk)
- March 2014 NOVA International Board meeting, Nijmegen, The Netherlands (Poster)
- Dec 2013 Subaru conference, Kona, Hawaii, USA (**Invited talk**)
- July 2013 Protostars & Planets VI, Heidelberg, Germany (Poster)
- June 2013 IAUS 299, Victoria, Canada (Contr. talk)
- April 2013 2013 Rocks, Waikoloa, HI, USA (Contr. talk)
- Dec 2012 First Science with ALMA, Puerto Varas, Chile (Contr. talk)
- March 2012 From atoms to pebbles: Herschel's view, Grenoble, France (Poster)
- June 2011 IAUS 208, Toledo, Spain (Poster)
- Sept 2010 Science Day, Leiden Observatory (Contr. talk)
- May 2010 NAC 2010, Nijmegen, the Netherlands (Poster)
- October 2008 ICWIP 2008, Seoul, South Korea (Poster)
- Aug 2007 ICPS 2007, London, UK (Contr. talk)

	May 2018 - present	Colloquium committee, NRC Herzberg, Victoria	
	Jan 2018 - present	ARCADES (ALMA-CANFAR working group), NRC Herzberg, Victoria	
	Jan 2018 - present	LOC New Horizons conference, Victoria	
	Jan 2016 - present	Referee for ApJ, MNRAS, A&A, PASJ	
	June 2016 - July 2018	SOC Aspen Workshop on planet formation, Aspen	
	Dec 2016 - July 2018	SOC Symposium in celebration of Ewine van Dishoeck, Caltech	
	Sept 2016 - Sept 2017	UH TAC, Institute for Astronomy, University of Hawaii	
ACADEMIC SERVICES	July 2016 - July 2017	Colloquium committee, Institute for Astronomy, University of Hawaii	
	Dec 2016 - April 2017	Graduate admissions committee, Institute for Astronomy, University of Hawaii	
	July 2014 - March 2015	SOC and organizer Lorentz Center workshop 'Transition disks and planet formation: link between models and observations', Leiden Observatory	
	Jan 2014 - May 2014	LOC Oort colloquium 2014, Leiden Observatory	
	April 2009, 2010	Jury member Amsterdam Master of Physics Symposium	
	Sep 2005 - Sep 2006	Co-organizer NNV symposium Fysica 2006, Leiden	
	Sep 2004 - April 2011	PR activities for physics/astronomy at Leiden University	
		<ul style="list-style-type: none"> • Founder and organizer Nerd Nite Victoria (2018) • Mentor at Science Venture, University of Victoria (2018) • Pub talks at Pint of Science and Nerd Nites in Victoria/Vancouver/Honolulu (2017-2018) • Outreach talks at Science cafe, Bishop Museum, UH Hilo, Girl Scouts and others (2016-2017) • TV interview by TechTalk Hawaii (2017) • ESO Press release 'ALMA reveals planetary construction sites' (December 2015) • ESO Press release 'ALMA discovers comet factory' (June 2013) • Contributor Faces of Science and Science Battle (2015) • Contributions to TV/radio interviews/documentaries, e.g. RTL, VPRO, NTR and CTV (2013-2015) • Head organizer Nederlandse Sterrenkunde Olympiade 2012, Leiden Observatory (Spring 2012) • Public talks at various Dutch astronomy societies (2011-2015) • Articles and interviews in Eureka! magazine (2007-2011) • Talks for PR events Leiden University (2007-2009) 	
	OUTREACH AND PRESS	(Sub)millimeter:	ALMA (approved proposals: 4 as PI, 26 as co-I), SMA (8 nights, 2016; 5 nights, 2017), APEX (3 nights, 2012), CARMA (1 night, 2011), IRAM 30-m (4 nights, 2011), JCMT (data reduction),
		Optical/NIR:	Keck-NIRC2 (3 nights, 2016; 4 nights, 2017), Subaru-SCEXAO (4 nights, 2016; 2 nights, 2017), VLT X-shooter (scripts for queue observing, 2014), William Herschel Telescope (5 nights 2012, 6 nights 2013) and Isaac Newton Telescope (5 nights, 2007)
Mid/Far IR:		Herschel-PACS (data reduction), VLT-VISIR (data reduction)	
Programming:		Python, IDL, CASA, CLASS, STARLINK, C++	
Modeling:		DALI, RADMC(-3D), LIME	
OBSERVING AND TECHNICAL SKILLS	Oct 2016 - Nov 2017	Member Beautification committee Institute for Astronomy, University of Hawaii	
	Dec 2015 - Nov 2017	Volunteer Hawaiian Bicycle League, Honolulu, USA	
	Nov 2010 - July 2014	Member Social committee Leiden Observatory	
	Nov 2004 - August 2012	Editor of Eureka! Magazine (including 2,5 years as head editor)	
	Sep 2006 - Sep 2010	Member of the Senator Council of study society De Leidsche Flesch	
	Aug 2007 - June 2008	Member Lustrum Committee De Leidsche Flesch	
	April 2007 - April 2008	Student representative in the board of the NNV (Dutch Physical Society)	
	April 2007 - April 2008	President of SPIN (Students of Physics in the Netherlands)	
	Oct 2006 - April 2007	Secretary of SPIN	
	Sep 2005 - Sep 2006	Secretary of the board of De Leidsche Flesch	
SECONDARY ACTIVITIES	Oct 2005 - April 2006	Member of year book committee De Leidsche Flesch	