

Curriculum Vitae for Nils Ryde

i. *University Degrees:*

- 1994 **Civilingenjörsexamen** i teknisk fysik (MSc in Engineering Physics), LTH, Lund
 2000 **Teknologie doktorsexamen** (PhD) in Theoretical Astrophysics, Uppsala University
 Thesis title: *‘Infrared Spectroscopic Investigations of Stellar Winds from Red Giants’*.

ii. *Employments:*

- 2021 **Professor** in Astronomy
 2019 **Invited guest Professor** at Observatoire de la Côte d’Azur, Nice, France.
 2010–2021 **Universitetslektor** in Astronomy, 60% research, 25% teaching, 15% admin.
 2008–2013 **KVA:s särskilda forskartjänst; akademiforskare** (Royal Swedish Academy of Sciences Research Fellow financed by KAW Stiftelse), Lund Observatory.
 2007 **Appointed Associate** at the European Southern Observatory (ESO), Instrumentation Division, Garching, Germany.
 2007 **Forskare**, Lund University and Uppsala University.
 2004 **Chercheur associé**, Uni. Montpellier II, France, (CNRS), 3 months.
 2003–2006 **Forskarassistent**, (Assistant Professor) financed by Vetenskapsrådet, Uppsala University.
 2000–2003 **Postdoc positions**, University of Texas at Austin, USA, and Uppsala University.
 1994–2000 **Doktorandtjänst** (Rymdstyrelsen), Uppsala University.

iii. *Parental Leave:* 12 months FTE for David and Emma Ryde during the period 2008–2011.

iv. *Postdoc Positions:*

- 2001–2002 Astronomy Department, University of Texas at Austin, Texas, USA, awarded by STINT.¹
 2000 Uppsala Astronomical Observatory (Rymdstyrelsen & Royal Swedish Academy of Sciences).

v. *Docent and Equivalent:*

- 2012 **ETP**, Excellent Teacher Practitioner, Faculty of Science, Lund University.
 2005 **Docent** in Astronomy, with specialization in Astrophysics, Uppsala University.

vi. *Important Assignments:*

- 2022– **Unit head (Enhetschef)** for Astronomy at Lund Univ.
 2020–2021 **Topic responsible (Ämnesansvarig)** for Astronomy och Astrophysics at Lund Univ.
 Chair of writing the 2021–2026 Strategic Plan of the Observatory.

vii. *Awards and Distinctions:*

- 2021 Invited by senior Editor of *Nature Astronomy* to write a News & Views article.
 2012 ETP awarded by the Faculty of Science, Lund University.
 2010 Scientific talk at the 2010 prize ceremony at the of Royal Swedish Academy of Sciences.
 Invited by secretary general Gunnar Öquist.
 2008 Royal Swedish Academy of Sciences Research Fellow.
 2005 Docent in Astronomy, with specialisation in Astrophysics, Uppsala University.
 2003 Vetenskapsrådet’s 4-year forskarassistent position.
 2001 Postdoc scholarship awarded by STINT.
 2000 Scholarship from P.E. Lindahls fund of the Royal Swedish Academy of Sciences.

viii. *Referee:* Regularly referee for A&A, MNRAS, ApJ, ApJ *Letters*, Nature Astronomy, PASJ, Universe.

¹STINT – the Swedish Foundation for International Cooperation in Research and Higher Education

ix. *Foreign Research Visits:*

- 2019 Observatoire de la Côte d'Azur, Nice, France (1 month).
- 2007 European Southern Observatory, Instrumentation Division, Garching, Germany (9 mos.).
- 2004 Université Montpellier II, France (3 months).
- 2001-2003 University of Texas at Austin, USA (2 years).
- 1995– Several 1-week visits every year, on average, to work and give seminars.

x. *Scholarly/Academic Societies:*

- 2012 Member, Pedagogical Academy of the Faculty of Science, Lund University.
- 10, 20, 21 Sällskapet Lundaakademikerna, Lund Rotaryklubb, Kungl. Fysiografiska Sällskapet
- 2000– American Astro. Society, AAS, Intern. Astro. Union, IAU & Europ. Physical Soc., EPS.

xi. *Research supervision:*

- 2014–2015 **Sabbatical Host** for E. Josselin, Deputy Director of Pic du Midi Observatory (6 mos).
- 2019–2020 **Guest researcher Host** for Dr. Henrik Jönsson (35%), universitetslektor (Malmö Univ.)
- 2021–2023 **Main postdoc-supervisor** of Dr. Govind Nandakumar (PhD Nice, 2018).
- 2020– **Main postdoc-supervisor** of Dr. Brian Thorsbro (PhD Lund, 2020).
- 2017–2019 **Main postdoc-supervisor** of Dr. Henrik Jönsson (PhD Lund '15, postdoc IAC, Spain, '16).
- 2013–2015 **Main postdoc-supervisor** of Dr. Julien Lambert (PhD Montpellier, 2013).
- 2015 **Main postdoc-supervisor** of Dr. Henrik Jönsson, 6 months (PhD Lund).
- 2009 Employed postdoc. Dr. Jennifer Simmerer for 2 months (PhD Univ. of Texas at Austin, '07).
- 2021– **Main PhD-supervisor** for Niels Nieuwmunster, joint degree with Observatoire de la Côte d'Azur, Nice.
- 2020– **Main PhD-supervisor** for Rebecca Forsberg, Lund Observatory.
- 2016–2020 **Main PhD-supervisor** for Brian Thorsbro, Lund Observatory, PhD 2020.
- 2017 PhD-supervisor for guest student Govind Nandakumar (Observatoire de la Côte d'Azur, Nice) for 3 months, Lund Observatory, PhD 2018, Nice.
- 2009–2015 **Main PhD-supervisor** for Henrik Jönsson, Lund Observatory, PhD 2015.
- 2000– Deputy PhD-supervisor for Katrin Ros, defence planned for 2021.
- 2004– Deputy PhD-supervisor for Rurik Wahlin, Uppsala Universitet, on sick leave.
- 2000– Main master-thesis (60 hp) supervisor of 12 students. Deputy of 5.

xii. *References:* (i) Prof. B. Gustafsson, Uppsala University, bengt.gustafsson@physics.uu.se, (ii) Prof. R. M. Rich, UCLA, USA, rmr@astro.ucla.edu, (iii) Prof. M. Schultheis, OCA, France, mathias.schultheis@oca.euxiii. *Other:* - Research Group Leader of LISA - Lund Infrared Spectroscopic Abundances Group - weekly meeting since 2017, with ~ 5 core participants plus guests. Totally 18 former members over the years. I have been host for numerous international guests.

- Major contributions to the early careers of excellent researchers: (i) Dr. Henrik Jönsson: universitetslektor at Malmö University. PhD with me; (ii) Dr. Jon Sundqvist: Professor at KU Leuven, Belgium. Master with me.

- I have experience of administration and management within the universities of Lund and Uppsala, such as ämnesansvarig for Astronomy and Astrophysics at Lund University, institutionsrepresentant for PhD students, chairman of Lund Observatory's Advisory Group, biträdande studierektor, studievägledare, elected member of the departmental boards (institutionsstyrelsen), the boards of scholarship funds, the Tycho Brahe Society, and committee memberships of tjänsteförslags-, docentur-, doktorand-, JOL-, grundutbildningsnämnderna, and rekryteringsråd.

- 15 invited reviews and talks, 15 contributed talks, 26 seminars, 39 popular lectures. Attended 60 conferences. Three press releases at Lund University. Arranged two international workshops.

- I have been reviewer and evaluated merits for national and international professor positions, lectureships, docentships, the degree of habilitation, pedagogic merits and for ETP. I have been opponent for 2 PhD and 4 licentiate defences and been in 15 grading committees of PhD defences. Appointed by foreign research councils.