Julien H. Girard — Curriculum Vitae

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I am currently **AURA Scientist**, member of the long-term **Research Staff** at **STScI**. **High Contrast & High Angular Resolution** specialist, I am **Instrument Scientist** for **JWST**/**NIRCam** and the **Coronagraphs Working Group Lead** as well as the **Liaison** for **Roman/CGI**. I enjoy **supervising, teaching & outreach** activities and to **engage the public**, especially young audiences & minorities. Following the **development of instruments** and bringing them into **efficient operations** is my forte.

Research Interests

✧ **Planets & Star Formation**: Exoplanets, Brown Dwarfs, Protoplanetary & Debris Disks

✧ **High Contrast Imaging, Spectroscopy, Polarimetry: Adaptive Optics & Coronagraphy**

✧ **Astronomical Instrumentation** & Observing Techniques/Strategies: Ground & Space

Education

2001-2005 | **Ph.D in Physics & Astrophysics**
Doctorat, mention très honorable — *Université Claude Bernard Lyon 1*
Centre de Recherche Astronomique de Lyon (CRAL) — *(October 2005)*

2000-2001 | **Master's in & Astrophysics** *(with focuses in plasmas & high angular resolution)*
D.E.A Astrophysique et Milieux Dilués — *Université Joseph Fourier Grenoble 1*
Institut de Planétologie et d'Astrophysique de Grenoble (IPAG) — *(July 2001)*

1998-2000 | **Master of Science in Instrumentation Physics** — *University of Utah*

1996-1998 | **D.U.T Mesures Physiques** — *Université de Savoie Mont-Blanc*
Diplôme Universitaire de Technologie — *(June 1998)*
Undergraduate studies in physics, measurement techniques and instrumentation

Professional & Research Appointments

06/2023 - Present | **Space Telescope Science Institute (STScI)** — **(full) AURA Scientist**
Instruments Division: 6 years, 6 months — 7 months

08/2017 - 06/2023 | **Support Scientist, STScI Scientist III**
5 years, 11 months

➪ **JWST NIRCam Branch member, Instrument Scientist, Coronagraphy Lead**
➪ **JWST Coronagraphs Working Group Lead** (NIRCam, MIRI)
➪ **Roman Coronagraph (CGI) Liaison** to the Science Investigations Teams, JPl & IPAC
✧ **Member of the Research Staff**: 20% (nominal) to 30% (with "buy back") of my time

2015 - Present | *Institut de Planétologie et Astrophysique de Grenoble* (IPAG) — **Affiliate Researcher**
7 years

2009 - 2017 | **European Southern Observatory (ESO)** — **Operations Staff Astronomer**
Directorate of Operations & Science — 8 years

Professional & Research Appointments (cont.)

2008 - 2009	**Instituto Politécnico Nacional (IPN, Mexico)**	**Assistant Professor**
	Profesor Titular A, *Escuela Superior de Física y Matemáticas*	1 year
2006 - 2008	**Instituto de Astronomía (UNAM Mexico)**	**Postdoc Researcher**
	Investigador Post-doctoral, becario UNAM, Instrumentation Department	2 years
2001 - 2005	**Centre de Recherche Astronomique de Lyon** *(CRAL)*	**PhD Student**
	Doctorant, boursier MENRT	4 years
2001	**Institut de Planétologie et d'Astrophysique de Grenoble (IPAG)**	**Intern**
	Stagiaire at IONIC team, in collaboration with the CEA/LETI	4 months
1999 - 2000	**University of Utah Physics Department, USA**	**Research Assistant**
	RA, Graduate RA at HiRes Collaboration	1 year, 6 months

Areas of Expertise & Skills

JWST

- Manager of 2 **Proposal Preparation Tools** (Simulations & Visibility for Coronagraphy)
- **Exposure Time Calculator** requirements, sprints & tests (Coronagraphy)
- **Pipeline** requirements, tests & improvements (Coronagraphy)
- **Commissioning & Operations** Rehearsals for NIRCam
- **PI of the 3 Commissioning & 2 Calibration Programs** for NIRCam Coronagraphs
- **Documentation Lead** for JWST High Contrast Imaging (including NIRISS/AMI)

Observing & Operations

- Large (>900 nights) Science Operations experience at the **VLT**, Lick, SPM, CFHT, OHP
- **Commissioning & Tests** of modes/instruments (AO/coronagraphs/LGS upgrades)
- Instruments **Calibrations Plans**, Procedures & **Manuals** (NACO, SPHERE)
- Participation in proposals, strategy making and carrying out observations (countless)
- Expert: NACO ("guru"), SPHERE, HAWKI & SINFONI
- Certified: VIMOS, X-SHOOTER, CRIRES, MUSE, VISIR, KMOS & FORS2

Instrumentation

- High Level requirement definitions, system engineering / error budget
- Adaptive Optics, Image quality improvement (phase diversity) and assessment
- Optics (basic design, alignments, waveguides), Fourier analysis, basics of control and electronics, detector characterisation, trouble-shooting, etc.

Computing

- Familiar with UNIX/Linux/OSX/Windows, LaTeX, some knowledge in C, html, etc.
- Conversent with interpreted languages (Python, Yorick, IDL): data analysis, plotting

Teaching

- 4×4h of JWST Master Class on High Contrast Imaging (STScI and Caltech, USA)
- 216h of Optics Th/Labs (IPN/ESFM, Mexico), 64h of Computer Labs (UCBL, France)
- Taught AO for several Postgraduate Programs & Schools (Total of 12h)
- Coordinated the 1^{st} internal AO Training for ESO/LPO Engineers & Astronomers (16h)

Supervizing Students

- **2 PhD students** (Jos de Boer, Leiden-2018, Blake Pantoja, U.Chile-2019)
- 5 Master's and 6 Bachelor's students in engineering & astronomy

Project management & Leadership

- Coordination of a JWST Working Group with ∼30 internal & external stakeholders
- Lead of the Roman Exoplanet Imaging Data Challenge (∼ 10 people)
- Coordination of Instrument Operations Teams of VLT instruments (∼ 15-20 people)
- Several PM trainings completed while at ESO & STScI
- PI/coI-ship of several funded/awarded projects (instrumentation/astronomy)

"Soft" skills

- Team player, leader/motivator, great cross-disciplinary/organigram communication skills

Language Proficiency

- **French**: mother tongue
- **English**: fluent
- **Spanish**: fluent
- **German**: limited (high school)
- **Portuguese**: limited (Br)

Community Service & Committees

Referee	Astrophysics & Instrumentation Journals: ApJ, AJ, RevMex, RAS (2011 - Present)
Grant Reviewer	NSF Exoplanets, CONICYT/ALMA Fund (Confidential)
TAC Panelist	Gemini CNTAC - National Time Allocation Committee (2014 - 2016)
Thesis Committees	PhD Defense committee - Blake Pantoja - Univ. de Chile, Chile (2019) PhD Defense committee - Mathias Nowak - Paris Meudon Observatory, France (2019) PhD Defense committee - Jozua de Boer - Leiden Observatory, Netherlands (2018) PhD Defense committee - Jose Luis Aviles Urbiola - INAOE, Mexico (2010)
Conferences & Workshops	STScI Spring Symposium on Exoplanets: SOC member and Session Chair (2021) Chesapeake Bay Area Exoplanet Meetings (CHEXO): SOC member (2018- Present) Exoplanets, Stars and Planet Formation seminars: organizer (STScI, JHU, 2018-) ALMA/ESO Workshop: Resolving planet formation in the era of ALMA and extreme AO SOC & LOC Member (2016)
Organizer/Chair	High CONtrast Imaging & Spectroscopy: Chair (ESO/Chile, 2012)
at STScI	**Executive Committee of the Science Staff**: Elected member (2020 - 2022) **Research Support Advisory Committee**: Discretionary Funds (2020 - 2022) Postdoc Mentoring Program: Mentor (2019 -) of 3 Postdocs STScI Fellowships Committee (2019, 2022, 2023) AURA Tenure Track Exoplanet Positions: Conducted Interviews for Roman (2019)
at ESO	Science Operations "Adaptive Optics Group" (AOG) Coordinator (2009 - 2017) Panel member for various projects reviews (SPHERE PAE, ERIS Phase A, AOF) Observatory Reviews and one ESO Overview: Participant / Speaker (2010 - 2016)
Community Engagement	**Roman Exoplanet Imaging Data Challenge**: Coordinator (2018 - 2021) Python notebooks & simulations, videos of 4 tutorial events in US & Japan

Honors, Awards & Grants

2015 - Present	**Affiliate Researcher** (IPAG, Grenoble)
2023	**AURA Outstanding Achievement Award** (JWST Commissioning Team)
2018 - 2020	**Science Evaluation Top Performer** (STScI)
2018 - 2020, 2023	**Functional Top Performer** (STScI)
2018 - 2020	**DDRF-JDF Grant PI** (STScI): $USD 44,325
2018, 2023	**Bonus award** (STScI): $USD 2,500, $USD 2,300
2013 - 2022	**Principal Investigator** for JWST Cycle 2 ($USD 87k), ESO VLT(I) programs: $\sim$ 157h of 8.2m telescope (equivalent to $\sim$ €400-650k worth in operational cost)
2015-2016	**1-year ESO PhD Studentship (for Blake Pantoja** $\sim$ €21,000
2014	ESO DGDF Grant PI: €2600 (Science Leave)
2013-2014	**2-year ESO PhD Studentship (for Jos de Boer** $\sim$ €45,000
2012	**Exceptional Performance Award** (ESO) ESO DGDF Grant PI: €4600 (Student Internship + overseas travel)
2009	**SNI Nivel I** (Mexico's *Sistema Nacional de Investigadores*)
2009	ICyTDF Grant co-I: $MXN 550k /$USD 40k (robotize the OAN 84cm telescope)
2006-2008	*Beca postdoctoral* (Postdoc UNAM Fellowship) (UNAM, Mexico)
1999-2000	Graduate Research Assistantship (University of Utah, USA)
2001-2004	*Bourse d'Etudes Doctorales M.E.N.R.T* (French Government)
1998-1999	*Bourse d'Étude de la Région Rhône-Aples* (French Government)

Science Communication, Outreach & Advocacy: Selected Appearances

Selected Outreach Talks	*UNAM & UAM*: 2 conferences in Spanish for the general public (Mexico, April 2022) *Baltimore City Schools "Career Day"* 3 Talks for 6th graders (Baltimore, 2019) ➪ *"What does an astronomer do? From Ground to Space"* (English, 30 min) *Planetario de Playa del Carmen "SAYAB"* Invited Talk (Mexico, Jan 2016) ➪ *"800 noches en el desierto de Atácama"* (Spanish, 50 min) *Gemini South's AstroDay* Public Talk (Chile, Jan 2010) ➪ *"Hoy, 2010 la astronomía, en Chile"* (Spanish, 40 min) *Lycée Franco-Mexicano* Public Talk (Mexico, 2009) *Museo de la Luz* Invited Talk (Mexico, 2009) & many schools (Mexico, 2008-2009) ➪ *"Hoy, la astronomía, en Mexico"* (Spanish/French, 40 min)
Events	➪ First *Noche de las Estrellas*: National Committee Member (Mexico: 2009) ➪ **CosmoWiki** Initiator with A. Farah Simón (Platform to link Amateur & Pro astronomers)
Diversity & Inclusion	➪ *Ella es Astrónoma* Photo Exhibition for the **She's an Astronomer** IAU Corner Stone Project (2009, International Year of Astronomy): Curator (Photographer: Robin Cerutti)
Television/Radio	➪ *Des Nouveaux Mondes Par Milliers* (EOL Prod, Science&Vie TV, 52' Documentary, 2015) ➪ *Radio France International* (RFI) Interview (French, C. Martin, 2015) ➪ *Globo News*: mainstream News (Brazil, 9' Subject, N., 2014) ➪ *Journal de 20h de France 2*: mainstream News (France, 4' Subject, N. Chateauneuf, 2013) ➪ *Tele13 en Terreno: Chile y el mayor telescopio del Mundo*: (Chile, 6' Subject, M. Puigrredón, 2013) ➪ *World Space Week Podcast* (New-Zealand, H. Mogosanu, 2011)
Press	➪ *Radio France International* (RFI) & *The Good Life* Articles (French, C. Martin, 2015) ➪ Appearance in Book Chapter "The Milky Way" (English, Gary Fildes, 2016)
Advocacy	➪ *The New York Times* on *The Night Sky's Satellite Problem* (B. Ferreira, 2020) ➪ Defending ground-based astronomy and stargazing with respect to satellite constellations.
Social	**Cosmic Diary** blog hosted by the SETI Institute Scientist/contributor (2012-2015) **ESO Photo Ambassador** (2012-Present)

Selected Press Releases & Announcements

2022	NASA's Webb takes its first-ever direct image of distant world (NASA Blogs, Time, etc.)
2021	Discoverery of a disk around young super-Jupiter which may form moons (SciTechDaily)
2020	Astronomers find Jupiter-like cloud bands on closest brown dwarf (NASA/HUBBLESITE)
	Bands of Clouds Swirl Across Brown Dwarf's Surface (Caltech)
2019	A pair of fledgling planets directly seen growing around a young star (NASA/HUBBLESITE)
2018	First confirmed image of newborn planet caught with ESO?s VLT (ESO)
2015	Mysterious ripples found racing through planet-forming disc (ESO)
2014	First light for SPHERE exoplanet imager (ESO
2013	The birth of a giant planet? (ESO)
	Lightest exoplanet imaged so far? (ESO)
	ALMA sheds light on planet-forming gas streams (ESO & ALMA)
2011	Ten years of VLT adaptive optics (ESO)
2010	New mode for VLT's NACO to image exoplanets (ESO)

Talks, Seminars & Coloquia

2022 | **SPIE**: **Invited Plenary Talk** (Montreal, Canada)
JWST: Early results & Instruments / NIRCam: Commissioning, Performance, EROs

2021 | **Spring Symposium on Exoplanets** (online): Contributed Talk (STScI)
Results of the Roman Exoplanet Imaging Data Challenge

2020 | **Online Roman Lecture Series**: **Invited** (co-Hosted by JPL & STScI)
The Roman Exoplanet Imaging Data Challenge
also presented at Exoplanets III (online), Roman FSWG (Flatiron Inst, NY, USA) and SPIE (online)

\- | **SPIE Adaptive Optics Systems VII**: Contributed Talk
Planet formation with all flavors of adaptive optics

2019 | **AMNH**: **Invited Talk** (New York, USA)
Imaging Gap Carving Planets

\- | **Caltech**: Contributed Talk (Pasadena, USA)
The 2019 WFIRST Exoplanet Imaging Data Challenge

\- | **AO4ELT**: Contributed Talk (Quebec City, Canada)
Original Use of MUSE's LTAO To Image Accreting Planets

2018 | **STScI**: TIPS Talk Instruments Division (Baltimore, USA)
JWST/NIRCam Coronagraphy

\- | **Leiden Observatory**: Lunch Talk (Leiden, Netherlands)

2017 | **Caltech**: JWST Proposal Planning Workshop (Pasadena, USA)
Preparing a proposal with JWST Coronagraphy

\- | **EXOCLIPSE**: Contributed Talk (Boise, USA)
Reaching a good contrast at small angles: high pace reference differential imaging

2017 | **LAM**: **Invited Review Colloquium** (Marseille, France)
VLT(I) Adaptive Optics Review: Science Machines from NACO to SPHERE & beyond

\- | **ESO Calibration Workshop**: Contributed Talks (Santiago, Chile)
Adaptive Optics Metrics & QC Scheme
SPHERE : Spectro-Polarimetric High-Contrast Exoplanet Research

2016 | **Caltech**: Exoplanet Group Meeting Talk (Pasadena, USA)

\- | **TMT HQ**: General Seminar (Pasadena, USA)
Ground based high contrast exploration of exoplanets & their formation site

\- | **Leiden Observatory**: **Colloquium**, (Leiden, Netherlands)
Exoplanet Exploration from the Ground

2015 | **ESO HQ** ESO Adaptive Optics Prospective Meeting (Garching, Germany)
The VLT AO Systems & LGS

\- | **IPAG** Exoplanets Group's Seminar (Grenoble, France)
High contrast & Interferometric pathfinder search around Luhman 16AB

\- | **ESO Overview** Talk Paranal stories, small actions, big outcome! (Chile / Germany)

2014 | **IA-UNAM** *Instituto de Astronomía*: **Invited Coloquium** (D.F., Mexico)
High Contrast & High Angular Resolution Astronomy: Past, Present, Future

\- | **Santander International Summer School**: **2 Invited Lectures** (Santiago, Chile)
The VLT Adaptive Optics Systems & LGS
The Adaptive Optics "zoo": SCAO, GLAO, MCAO, XAO, LTAO, MOAO...

\- | **SPIE Adaptive Optics Systems IV**: Contributed Talk (Montreal, Canada)
NACO, an on-going history: scientific demand & astrometric calibration through the years

Talks, Seminars & Coloquia (cont.)

2014	**STScI**: High Contrast Group Meeting Talk (STScI, USA) Direct imaging and interferometric followup of our closest low-mass stellar neighbors
-	**CALAN U. de Chile** Star Formation Group: **Invited Seminar** (Santiago, Chile) Star & Planet Formation at High Contrast, from the Ground
2013	**ETH** Institute of Astronomy: **Invited Talk** (Zurich, Switzerland) High Contrast & High Angular Resolution Astronomy: Past, Present, Future
-	Joint **ALMA/ESO** Workshop, (Santiago, Chile) UT4 "Yepun": Past, Present & Future an Adaptive Adventure
2012	**SPIE Adaptive Optics Systems III**: Contributed Talk (Amsterdam, Netherlands) Image Quality & High Contrast Improvement on VLT/NACO
-	**ESO Observatory Review**: **Invited Talk**, (Paranal Observatory, Chile) AGPM 4-micron "vortex" Coronagraph on VLT/NACO: SPHERE before SPHERE
-	**AURA/Gemini/CTIO**: **Invited Coloquium** (La Serena, Chile) Improvement on VLT/NACO and AO activities on Paranal
2011	**IA-UNAM** *Instituto de Astronomía*: Instrumentation Seminar (D. F., Mexico) HAR techniques at the VLT: direct detection of exoplanets
2010	**ESO Chile Instrument Scientist Talk**, (Santiago, Chile) NACO, VLT/UT4 AO-fed NIR Imager & Spectrometer and more
2008	**INAOE Guillermo Haro Workshop** "Science with SASIR", (Puebla, Mexico) Adaptive Optics Follow-ups & Future AO facilities
2007	**Keck Telescope Headquarters** (Waimea, Hawaii, USA) Polychromatic approach to visible AO & GUIELOA, Mexican AO system
-	**CfAO**: Center for Adaptive Optics (Santa-Cruz, USA) Full sky visible AO observations & HAR panorama in Mexico
-	**CRyA-UNAM** (*Centro de Radioastronomía y Astrofísica*) (Morelia, México)
2006	*Instituto de Astronomía* (IA-UNAM, Distrito Federal, Mexico)
-	**LNA**(*Laboratorio National de Astrofisica* **Invited Coloquium** (Itajuba, Brazil)
-	**Stockholm Observatory** Astronomy Department Seminar (Stockholm, Sweden) Experimental progress towards full sky visible AO observations

Supervising & Mentoring Students

2015- 2019	PhD co-Director with Dr James Jenkins (U. de Chile/ESO) **Blake Pantoja**: *From brown dwarfs to exoplanets, the missing link between radial velocity and direct imaging* (Defended Sept 2019)
2013- 2017	PhD co-Director with Dr Christoph Keller (Leiden U./ESO) **Jozua de Boer**: *High Contrast Imaging of Protoplanetary Disks* (Defended Jan 2018)
2014- 2015	Bachelor's Thesis co-Director with Dr Daphne Stam@tudelft.nl (T.U. Delft/ESO) **Rob van Holstein**: *Accurate high-contrast imaging polarimetry with SPHERE/IRDIS*
2013	Master's Project Director (T.U. Munich/ESO) **Elisabeth Brunner**: *Estimation of the atmospheric coherence time with FADE*
2012- 2014	Master's Internship and sub-contract Mentor/Director(X-Polytechnique/PUC/ESO) **Martin Tourneboeuf**: *Development of an Image Quality assessment Tool, Strehl Meter*

Supervising & Mentoring Students (cont.)

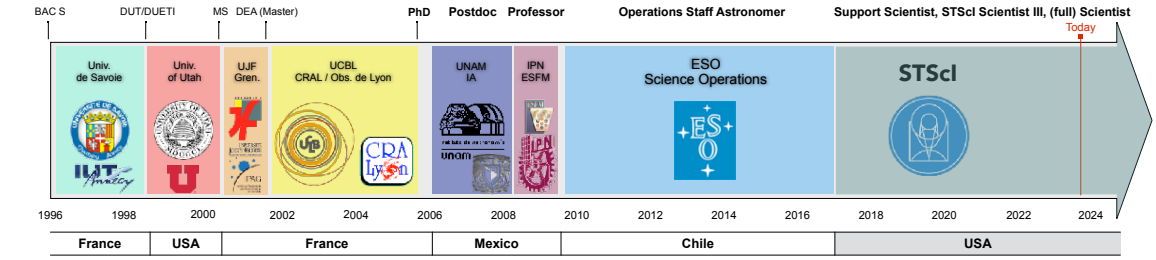
2012	Master's Instrumentation project co-Director with Dr Dimitri Mawet (U. Liege/ESO) **Valentin Christiaens**: *Improving the NACO image quality (PSF) thanks NCPA compensation and via phase diversity*
2011	Undergraduate Co-mentor/Director with Dr. Petr Kabath (T.U. Munich/ESO) **Felix Rucker**: *Stellar variability survey in the OGLE2-TR-L9b field & exoplanet transits*
2009	Undergraduate Student in Physics: mentor (*ESFM-IPN*, Mexico) **Jurij Mendoza Valencia**: *Roddier curvature technique and actives optics*
2004	Graduate Student Mentor, Master in Physical Engineering (*INP Grenoble*) **Xavier Rondeau**: *High Angular Resolution in Astronomy*
2004	Graduate Student Mentor, Master in Electrical Engineering (*INSA Lyon*) **Belkacem Aberache**: *Optimization of a pendular seismometer.*
2003	Graduate Student Mentor, Master in Electrical Engineering (*INSA Lyon*) **David Grenet**: *Study of a pendular seismometer to track telescope vibrations.*
2003	Undergraduate Student Mentor, Bachelor in Electrical Engineering (*I.U.T Lyon*) **Thierry Jacquemin**: *Positioning control of a pendular seismometer.*

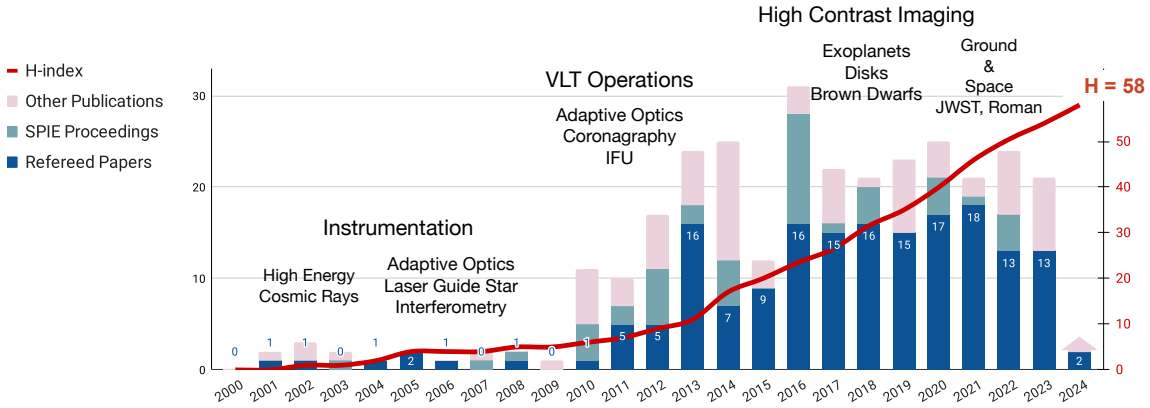
Scientific Collaborations, Professional Memberships

Space Missions	**Nancy Grace Roman Telescope**: Coronagraph Community Participation Program Project Team Member (2023 -), **Science Investigation Team** Member, Data Challenge Lead (2019-2021, PI: Turnbull) **JWST Telescope Scientist GTO**, Subject level member for Coronagraphy **JWST Early Science (ERS Prog 1386)** (PI: Hinkley, 2019 - Present) **JWST Strategic Project on Coronagraphy & Wavefront Sensing** (PI: Ygouf, 2019 - Present) **LIFE: Large Interferometer For Exoplanets** (PI: Quanz, 2018 - Present)
Ground based	**ExoGRAVITY**: Exoplanets with GRAVITY (PI: **Lacour**, ESO, 2019-Present)
AO & Interferometry	**HIPPO**: NACO Filler Survey (PI: **Girard**, ESO, 40h, 2014-2020) **NACO GTO**: Invited Member (PI: Launhardt, MPIA, 100 nights, 2015-2019)
Exoplanets & Disks	➪**ISPY Survey**: Exoplanets **SPHERE GTO**: IPAG Affiliate Scientist (PI: Beuzit, IPAG, 300 nights, 2014-2020) ➪ **SHINE Survey**: Exoplanets ➪ **Disk Group**: Debris & Protoplanetary Disks **SHARDDS Project**: External Collaborator (PI: J. Milli, Liège, 2014 - 2016) **VORTEX Project**: External Collaborator (PI: O. Absil, Liège, 2014 - 2016)
Societies	**IAU**: International Astronomical Union Individual Member (2011 - present) **AAS**: American Astronomical Society Full Member(2017 - present) **SPIE**: International Society for Optical Engineering (2008 - 2011) **SF2A** (*Société Française d'Astronomie et Astrophysique*) (2001 - 2005)
Networking	STScI Exoplanets, Star & Planet Formation Seminars: organizer (2019-present) STScI Extrasolar Planetary Systems Imaging Group: co-Lead (2017-present) STScI Star and Planet Formation: member (2018-present) ESO/Chile "Direct Imaging Group: co-founder and active member (2012-2017) **Adaptive Optics** facebook group: Founder/Admin (2013 - present)

Bibliography

23+ years of research & Technical work in a single chart. My publication record dramatically increased after 2010 transitioning to observational astronomy. View it interactively on **NASA/ADS** **(170 accepted referred articles↗, ⩾ 10,300 citations, H-index=58)** as of January 2024:





Selected Recent Publications

2022	**Girard, J.**; Leisenring, J.; Kammerer, J. et al, 2022, SPIE, 121803Q JWST/NIRCam coronagraphy: commissioning and first on-sky results
2021	Turnbull, M. C.; Zimmerman, N.; **Girard, J.** et al, 2021, JATIS, 7, id. 021218 Community exoplanet imaging data challenge for Roman CGI and starshade rendezvous
2020	Millar-Blanchaer, M.; **Girard, J.**; Karalidi, T. et al, 2020, ApJ, 894, 1, 42, 25. Detection of Polarization due to Cloud Bands in the Nearby Luhman 16 Brown Dwarf Binary
2019	Haffert, S. et al. **incl. Girard, J.** Nature Astronomy (June 3 2019) Two accreting proto-planets around the young star PDS 70
2018	**Girard, J.**; Blair, W.; Brooks, B. et al, 2018, SPIE, 0698, 3V Making good use of JWST's coronagraphs: tools and strategies from a user's perspective
-	Pantoja, B.; Jenkins, J. S.; **Girard, J.** et al, 2018, MNRAS, 479, 4958 SAFARI-I. A SPHERE discovery of a super metal-rich M-dwarf companion to the star HD 86006
2017	de Boer, J.; **Girard, J.**; Canovas, H. et al, 2017, MNRAS, 466, 7 BP Piscium: its flaring disc imaged with SPHERE/ZIMPOL
2013	Delorme, P. ; Gagné, J; **Girard, J.** et al, 2013, A&A, 553, L5, 5 Direct-imaging discovery of a 12-14 M_{Jup} object orbiting a young binary system of very low-mass stars
2011	Bouy, H; **Girard, J.** et al, 2011, Astronomy & Astrophysics, 526, A55, 2011. Adaptive optics observations of the T10 ultracool dwarf UGPS J072227.51-054031.2
2010	Quanz, S.; Meyer, M.; Kenworthy, M.; **Girard, J.**; et al, 2010, ApJ, 722, 49 1st Results from VLT NACO Apodizing Phase Plate: 4 μm Images of The Exoplanet β Pictoris b
-	**Girard, J.**; Kasper, M.; Quanz, S. et al, 2010, SPIE, 7736, 2N Status and new operation modes of the versatile VLT/NaCo