Nimish P. Hathi

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RESEARCH INTERESTS

Galaxy formation and evolution; High redshift galaxies; Stellar populations; Galaxy structure and morphology; Physical properties of star-forming galaxies; Active Galactic Nuclei; Multi-wavelength surveys; Photometric redshifts; Data processing.

EDUCATION

- **Arizona State University**, Tempe, AZ, USA
  - → Ph.D. Physics/Astronomy (2008)
    Advisors: Rogier Windhorst & Sangeeta Malhotra
    Thesis: Structural and Physical Properties of High Redshift Galaxies in the Hubble Ultra Deep Field
  - → M.S. Physics/Astronomy (2002)
- **University of Queensland**, Brisbane, QLD, Australia
  - → M.Sc. Astrophysics (1997)
    Advisor: B. J. O'Mara
    Thesis: A Determination of the Chemical Composition of α Centauri A from Strong Lines
  - → PG Diploma Physics (1995)
- **Gujarat University**, Ahmedabad, Gujarat, India
  - → M.Sc. Physics (1993)
  - → B.Sc. Physics (1990)

WORK/RESEARCH EXPERIENCE

- **Space Telescope Science Institute**, Baltimore, MD, USA
  - → STScI Scientist (2020 – present)
    - → Support Scientist (2017 – 2020)
- **Laboratoire d'Astrophysique de Marseille**, Marseille, France
  - → [Postdoctoral] Research Associate (2013 – 2016)
- **Observatories of the Carnegie Institution for Science**, Pasadena, CA, USA
  - → [Postdoctoral] Research Associate (2010 – 2013)
- **University of California**, Riverside, CA, USA
  - → [Postdoctoral] Research Scholar (2008 – 2010)
- **Arizona State University**, Tempe, AZ, USA
  - → [Graduate] Research Associate (2005 – 2008)

→ [Graduate] Research Associate (May 2004 – Dec 2004)
→ [Graduate] Research Assistant (May 2003 – Dec 2003)

- **University of Western Australia**, Perth, WA, Australia
  → Academic Visitor (Mar 1998 – Oct 1998)
- **University of Queensland**, Brisbane, QLD, Australia
  → Research Scholar (1996 – 1997)
  → Post-graduate Diploma – Research Project (Feb 1995 – Dec 1995)
- **Space Application Center / ISRO**, Ahmedabad, Gujarat, India
  → Post-graduate – Practical Training (Jun 1993 – Dec 1993)
- **Institute for Plasma Research (IPR)**, Gandhinagar, Gujarat, India
  → Summer School Project (May 1991 – Jul 1991)

PUBLICATIONS

Total 408 publications

Refereed
→ Number of publications: **221**
→ Number of publications as $1^{st}/2^{nd}/3^{rd}$ author: 9/4/3
→ Citations (from the NASA ADS Database) : **17,000+**
→ h-index: **61** [61 papers with $\geq$ 61 citations]
→ 5 papers $\geq$ 500 citations; 15 papers $\geq$ 250 citations; 36 papers $\geq$ 100 citations

Non-Refereed
→ Number of publications: **187**
→ Number of publications as $1^{st}/2^{nd}/3^{rd}$ author: 35/4/10

PROFESSIONAL ORGANIZATIONS

- Member — International Astronomical Union (IAU) — *Since 2015*
- Member — Astronomical Society of India (ASI) — *Since 2004*
- Member — American Astronomical Society (AAS) — *Since 2003*

PROFESSIONAL EXPERIENCE

- Referee — For Peer-reviewed Journals:
  → `The Astrophysical Journal (ApJ)`
  → `The Astrophysical Journal Letters (ApJL)`
  → `Monthly Notices of the Royal Astronomical Society (MNRAS)`
  → `Astronomy & Astrophysics (A&A)`
- Panelist — NASA and NSF Panels:
  → `NASA Citizen Science Seed Funding Program / CSSFP (2022)`

→ NASA Astrophysics Theory Program / ATP (2021)
→ NSF Astronomy and Astrophysics Research Grants / AAG (2021)
→ NASA Astrophysics Data Analysis Program / ADAP (2011, 2013, 2016, 2017, 2018)

- Reviewer — NASA Postdoctoral Program / NPP proposal review (2017, 2018, 2019, 2020, 2021, 2022)
- Reviewer — Swiss National Science Foundation / SNSF proposal review (2022)
- Reviewer — NASA Graduate Research Fellowships proposal review

→ Future Investigators in NASA Earth and Space Science and Technology / FINESST (2019)
→ NASA Earth and Space Science Fellowship / NESSF (2018)

- Panelist — Panel Support Scientist/Staff (PSS) for HST and JWST TAC Meetings

→ HST Cycle 30 (Jun-2022)
→ HST Cycle 29 (Jun-2021)
→ JWST Cycle 1 (Feb-2021)
→ HST Cycle 28 (May-2020)

- Chair — For Oral/iPoster-Plus sessions at AAS meetings:

→ '#213: Galaxies I' at 236^{th} Virtual AAS Meeting (2020)
→ '#228: Supernovae, AGN & Galaxies' at 234^{th} AAS Meeting (2019)
→ '#201: Galaxy Evolution' at 232^{nd} AAS Meeting (2018)

- Judge — Rodger Doxsey Travel Prize for **7** Winter AAS meetings (2016, 2017, 2018, 2020, 2021, 2022, 2023)

→ Doxsey Prize Program Task Force Member (2021)

- Judge — Chambliss Astronomy Achievement Student Awards at **8** AAS meetings (2011, 2012, 2013, 2018 x2, 2019, 2020, 2022)
- Member — STScI's Diversity, Culture, and Respect Working Group / DCRWG

→ Member (2019 -- 2022)
→ Co-Chair (2021 -- 2022)

- Member — STScI's Internal Committees

→ STScI Postdoctoral Fellowship Selection Committee (2021 -- present)
→ STScI Postdoctoral Fellow Hiring Coordination Committee (2021 -- present)
→ STScI/INS 'Evergreen Campaign' TechStaff Hiring Committee (2021 -- 2022)

- Organizer — Conference/Workshop organizing activity as a member of the Local Organizing Committee (LOC) and/or the Scientific Organizing Committee (SOC):

→ Co-Chair SOC/LOC: 'Multi-object Spectroscopy for Statistical Measures of Galaxy Evolution' @ STScI (Virtual), May 2021
→ Deputy-Chair SOC/LOC: 'Galaxy Formation and Evolution in the Era of the Nancy Grace Roman Space Telescope' @ STScI (Virtual), Oct 2020
→ LOC: 'Inclusive Astronomy 2 (IA2)' @ STScI, Oct 2019

- Organizer — Member of the Seminar Organizing Committee at LAM, Marseille (2013 – 2016)
- Manager — Weekly astro-ph arXiv email listing at LAM, Marseille (2014 – 2016)
- Volunteer — Sort/organize presentations and sessions for **12** AAS meetings (2011 – 2017)
- Member — Editorial Board, Dataset Papers in Science/Physics/Astrophysics (2013 – 2016)
- Member — Editorial Board, Conference Papers in Astronomy and Astrophysics (2013 – 2015)

- Delegate — Early Career Focus Session for the Astro2020 Decadal Survey (2018)
- Member — U.S. Extremely Large Telescope / ELT Program — Key Science Program Development Team (2018 – present)
- Member — MSE — Maunakea Spectroscopic Explorer — Science Team (2018 - present)
- Member — Rubin Observatory/LSST — Galaxies Science Collaboration (2018 – present)
- Member — ATHENA — Advanced Telescope for High Energy Astrophysics — Science Working Group: Multiwavelength Synergy (2015 – present)
- Member — TMT — Thirty Meter Telescope — International Science and Development Team: Early Universe, Galaxy Formation and the IGM (2015 – present)
- Member — NASA's Cosmic Origins Program Analysis Group / COPAG — Science Interest Group / SIG: UV-Optical and Cosmic Dawn (2014 – present)

WORK AND PERSONAL RECOGNITIONS/ACHIEVEMENTS

- Mar 2023 — STScI BRAVO — for the efforts in developing a new version of the grism extraction software `hstaxe`.
- Feb 2023 — STScI BRAVO — for the successful completion of this year's STScI Fellows selection.
- Nov 2022 — STScI Bonus Award — as recognition for the outstanding functional work effort in the PAR year 2021-2022.
- Oct 2022 — STScI BRAVO — for successfully completing the Evergreen campaign to hire technical staff.
- Sep 2022 — STScI Achievement Award — 5-year Service Award
- Sep 2022 — STScI BRAVO — for the exemplary and extensive support and work while members of the Diversity, Culture, and Respect Working Group (DCRWG).
- Aug 2022 — STScI BRAVO — for the outstanding user support by the HST instrument help desk teams for 2022.
- Jun 2022 — STScI BRAVO — for serving as Levelers for the (virtual) HST Cycle 30 TAC.
- Jun 2022 — STScI BRAVO — for timely preparation and delivery of a Cycle 30 ACS CAL portfolio that was approved by the HST Mission Office without additional modification.

- Apr 2022 — STScI BRAVO — for the extraordinary effort of the HST help desk members to assist the user community in the weeks leading up to the Cycle 30 HST proposal deadline.
- Mar 2022 — STScI BRAVO — for successful completion of the first phase of an Evergreen technical staff hiring campaign.
- Mar 2022 — STScI BRAVO — for the successful completion of this year's STScI Fellows selection.
- Nov 2021 — STScI BRAVO — for successful release of Astrogrism v1.0 package.
- Nov 2021 — STScI BRAVO — for 'above and beyond' effort to satisfy the urgent need to provide ACS programs during the HST and ACS recovery.
- Jul 2021 — STScI BRAVO — for serving as Panel Support Scientists and Levelers for the (virtual) HST Cycle 29 TAC.
- Jun 2021 — STScI BRAVO — for proposing, organizing, planning, and ultimately running the STScI Workshop 'Multi-object Spectroscopy for Statistical Measures of Galaxy Evolution'.
- Apr 2021 — STScI BRAVO — for the outstanding user support by the HST instrument help-desk teams in the weeks leading up to the Cycle 29 Phase I deadline.
- Oct 2020 — STScI BRAVO — for organizing the very successful 'Galaxy Formation and Evolution in the Era of the Nancy Grace Roman Space Telescope' virtual conference.
- Sep 2020 — STScI Achievement Awards — Two Diversity-Equity-Inclusion (DEI) Team Awards for outstanding efforts towards:
  → `Recommendations from Inclusive Astronomy 2 conference (2019-2020)`
  → `DCRWG INS Climate Survey (2019)`
- May 2020 — STScI BRAVO — for an excellent kickoff sprint for the Astrogrism software development project.
- Nov 2019 — STScI Bonus Award — for outstanding efforts towards organizing the Inclusive Astronomy 2 conference.
- Oct 2019 — STScI BRAVO — for exceptional efforts in developing, organizing, and supporting the highly successful Inclusive Astronomy 2 conference.
- Oct 2018 — ESO VLT press release — eso1833 (Science Team).
- Aug 2018 — Selected by the National Academies of Sciences, Engineering, and Medicine as a delegate for the Early Career Focus Session (Astro2020 Decadal Survey)
- Jan 2018 — STScI BRAVO — for helping protect equipment and rescue valuables from water damage during a water leakage in colleague's office.
- Mar 2017 — INAF–Italy / CNRS–France press release (Science Team).
- Nov 2016 — Offered tenure-track faculty position at UA, Antofagasta, Chile (declined).
- Sep 2016 — Offered tenure-track faculty position at UNAM, Morelia, Mexico (declined).
- Jun 2014 — NASA Hubble press release STScI-2014-25 (Science Team).
- Nov 2011 — NASA Hubble press release STScI-2011-31 (Science Team).

- Sep 2011 NASA Hubble press release STScI-2011-27 (Science Team).
- Jan 2010 NASA Hubble press release STScI-2010-01 (Data Team).
- Jan 2007 Certificate, "Chambliss Student Achievement Awards - Honorable Mention" for poster presentation at the 209^{th} AAS Meeting in Seattle, WA, USA.
- Jan 2006 NASA Hubble press release STScI-2006-04 (Science Team).
- Dec 2005 Discovery of Supernova 2005mr at z $\sim$ 0.68 in the GOODS-North field (Discovery Team).
- Aug 2005 Astronomy.com article by Ken Croswell on L- & T- Dwarf paper (Co-I).
- Apr 2003 Discovery of the first direct Supernova/GRB connection: GRB 030329 / SN 2003dh (Discovery Team): Many articles on this discovery including *Science* Magazine's Top 10 for 2003, ASU Department News and UofA News.
- Dec 1997 Master's Thesis cited in MSSSO (Australia) Annual Report 1997.

RESEARCH GRANTS AND SCHOLARSHIPS

Note: I have contributed to bringing in **over US$5 million** in grants through archival/GO proposals, and I have received grants/scholarships totaling **over US$300,000** (as highlighted in **bold**).

- 2020 – 2025 HST Cycle 28 + 29 ACS/WFC3 Imaging Program (GO 16252 + GO 16793: **Hathi Grant PI: Proposal Co-I: $23,225**)
- 2021 – 2024 Cycle 29 Legacy Archival Program (AR 16621: **Hathi Grant Co-I: Proposal Co-I: $18,000**)
- 2022 – 2023 JWST Cycle 1 Archival Program (AR 2687: Hathi Proposal Co-I)
- 2022 STScI – The Director's Discretionary Research Fund (DDRF) Travel Grant (**Hathi Grant PI: $3,300**)
- 2019 – 2022 HST Cycle 26 UVCANDELS Program (GO 15647: **Hathi Grant Co-I: Proposal Co-I: $17,000**)
- 2017 – 2022 HST Cycle 25 ACS/WFC3 Imaging Program (GO 15278: **Hathi Grant PI: Proposal Co-I: $12,614**)
- 2018 NSF / NOAO Travel Grant for US ELT KSP Workshop (**Hathi Grant PI: $1,300**)
- 2018 STScI – The Director's Discretionary Research Fund (DDRF) Travel Grant (**Hathi Grant PI: $1,300**)
- 2017 STScI – The Director's Discretionary Research Fund (DDRF) Travel Grant (**Hathi Grant PI: $1,300**)
- 2016 TMT–Japan Grant (**Hathi Grant PI: ¥190,084**)
- 2016 NSF/Aspen Center for Physics Grant (**Hathi Grant PI: $500**)
- 2015 International Astronomical Union/IAU Grant (**Hathi Grant PI: $2,000**)

- 2014 City of Marseille: Scholarship/Grant for Foreign Researchers (**Hathi Grant PI: €2,000**)
- 2013 AAS International Travel Grant (**Hathi Grant PI: $2,700**)
- 2013 – 2014 HST/WFC3 Cycle 21 Archival Program (AR 13266: Hathi Proposal Co-I: $90,000)
- 2013 – 2014 HST/WFC3 Multi-Cycle Treasury CANDELS Program (GO 12060-64: **Hathi Proposal Co-I: $44,000**): Co-I/Carnegie's portion of the project.
- 2013 – 2014 NASA ADAP Program (12-ADAP12-0249: Hathi Proposal Co-I: $180,000)
- 2012 – 2013 HST/WFC3 Cycle 20 Archival Program (AR 12821: Hathi Proposal Co-I: $90,000)
- 2012 AAS International Travel Grant (**Hathi Grant PI: $1,800**)
- 2012 AAS Small Research Grant (**Hathi Grant PI: $4,800**)
- 2011 – 2012 HST/WFC3 Multi-Cycle Treasury CANDELS Program (GO 12060-64: **Hathi Proposal Co-I: $35,064**): Co-I/Carnegie's portion of the project.
- 2011 AAS International Travel Grant (**Hathi Grant PI: $1,500**)
- 2011 – 2013 HST/ACS Cycle 19 Archival Legacy Program (AR 12636: Hathi Proposal Co-I: $150,000)
- 2010 – 2013 Various HST Programs (GO 11359, 11696, 11702, 12283, 12286, 12177: **Hathi Collaborator: $150,000**)
- 2007 – 2009 HST/STIS Cycle 16 Archival Legacy Program (AR 11258: Hathi Proposal Co-I: $180,000)
- 2007 Arizona State University's Graduate and Professional Student Association Conference Travel Grants (**Hathi Grant PI: $575**)
- 2004 – 2005 HST/ACS Cycle 13 Archival Program (AR 10298: Hathi Proposal Co-I: $49,000)
- 1999 – 2008 Awarded scholarships in the form of tuition waivers and health insurance premiums at Arizona State University, Tempe, AZ, USA for MS and PhD programs in Physics & Astronomy. (**Hathi Scholarship PI: ∼$10,000/yr**)
- 1996 – 1997 Postgraduate research scholarship at the Department of Physics, University of Queensland, Brisbane, QLD, Australia. (**Hathi Scholarship PI: A$15,000/yr**)

OBSERVING EXPERIENCE/TELESCOPE TIME AWARDED

→ **Observing Experience at:** HST, JWST, Palomar, Magellan, Gemini, MMT

→ **Data Reduced/Analyzed for:** HST, JWST, Gemini, MMT, Subaru, CFHT, UKIRT, VLT

→ **Space Telescopes**

- 2022 – 2023 Co-I on a HST/ACS Spectro-polarimetry calibration proposal (CAL/ACS 17257); ACS/WFC Grism-Spectropolarimetry Commissioning/Calibration III. (1 orbit)

- 2022 – 2023 PI on a HST/ACS imaging calibration proposal (CAL/ACS 16968); Observations of 47 Tuc and Omega Cen globular clusters. (6 orbits)
- 2022 – 2023 Co-I on a JWST/NIRCam imaging and NIRISS grism spectroscopy proposal (PI Windhorst: GTO 2738); for NEP TDF and Spitzer IDF. (54 hours)
- 2022 – 2023 Co-I on a JWST/NIRSpec IFU spectroscopy proposal (PI Kassin: GO 2123); in the GOODS-S Field. (74.5 hours)
- 2022 – 2023 Co-I on a JWST/NIRCam imaging proposal (PI Marshall: GO 1813); for two $z \simeq 6$ QSOs. (16 hours)
- 2022 – 2023 Co-I on a JWST/NIRCam, JWST/NIRSpec, JWST/NIRISS imaging and IFU-grism spectroscopy proposal (PI Windhorst: GTO 1176); for cluster and deep fields. (62 hours)
- 2021 – 2022 Co-I on a HST/ACS Spectro-polarimetry calibration proposal (CAL/ACS 16869); Enabling Spectropolarimetry for the ACS II. (3 orbits)
- 2021 – 2022 Co-I on a HST/WFC3 and HST/ACS imaging proposal (PI Jansen: GO 16793); JWST NEP Time-Domain Field. (24 orbits)
- 2021 – 2022 Co-I on a HST/WFC3 grism proposal (PI Lemaux: GO 16684); NIR spectroscopy of the Hyperion proto-supercluster at $z \simeq 2.5$. (50 orbits)
- 2021 – 2022 Co-I on a HST/ACS imaging calibration proposal (CAL/ACS 16528); ACS Internal Flat Fields. (16 orbits)
- 2021 – 2022 PI on a HST/ACS imaging calibration proposal (CAL/ACS 16520); Observations of 47 Tuc and Omega Cen globular clusters. (6 orbits)
- 2020 – 2021 Co-I on a HST/WFC3 and HST/ACS imaging proposal (PI Jansen: GO 16252); JWST NEP Time-Domain Field. (28 orbits)
- 2020 – 2021 Co-I on a HST/ACS Spectro-polarimetry calibration proposal (CAL/ACS 16474); Enabling Spectropolarimetry for the ACS. (5 orbits)
- 2020 – 2021 PI on a HST/ACS imaging calibration proposal (CAL/ACS 16385); ACS Internal Flat Fields. (16 orbits)
- 2020 – 2021 Co-I on a HST/ACS imaging calibration proposal (CAL/ACS 16384); Observations of 47 Tuc and Omega Cen globular clusters. (6 orbits)
- 2019 – 2020 PI on a HST/ACS imaging calibration proposal (CAL/ACS 15764); Observations of 47 Tuc and Omega Cen globular clusters. (6 orbits)
- 2019 – 2020 Co-I on the HST/WFC3 imaging program (PI Faisst: GO 15692); NIR imaging of ALPINE galaxies at $z \simeq 4.5$ (6 orbits)
- 2019 – 2020 Co-I on the HST/WFC3 imaging program (PI Teplitz: GO 15647); UV imaging of the CANDELS fields (164 orbits)
- 2019 Co-I on the HST/WFC3 imaging program (PI Finkelstein: GO 15697); NIR imaging of a galaxy candidate at $z>9$ (2 orbits)
- 2017 – 2019 Co-I on a HST/WFC3 and HST/ACS imaging proposal (PI Jansen: GO 15278); JWST NEP Time-Domain Field. (36 orbits)

- 2018 — PI on a HST/ACS grism calibration proposal (CAL/ACS 15401); Observations of Wolf-Rayet (WR96) star. (1 orbit)
- 2018 — Co-I on a HST/WFC3 grism proposal (PI Tilvi: GO 15187); NIR spectroscopy of $z \simeq 7.51$ galaxy/possible Quasar. (8 orbits)
- 2016 – 2017 — Co-I on a Spitzer/IRAC proposal; imaging of lensing galaxy clusters for JWST GTO program. (PI Yan: GO 13024 → 52.5 hours)
- 2011 – 2016 — Co-I on the HST WISPS grism program; various parallel fields. (PI Malkan: GO 12568 → 260 orbits, GO 12902 → 260 orbits, GO 13352/13517 → 575 orbits, GO 14178 → 520 orbits)
- 2011 – 2016 — Co-I on a Spitzer/IRAC proposal; imaging of the WISPS fields. (PI Colbert: GO 80134 → 39.4 hours, GO 90230 → 23.5 hours, GO 10041 → 24.4 hours, GO 12093 → 36.9 hours)
- 2014 – 2015 — Co-I on the HST FIGS grism program; deep near-infrared spectroscopy in GOODS-S. (PI Malhotra: GO 13779 → 160 orbits)
- 2012 – 2013 — Co-I on a HST/WFC3 imaging program (PI Mechtley: GO 12974); NIR imaging of $z \simeq 6$ QSO host galaxies. (25 orbits)
- 2010 – 2013 — Co-I on the HST CANDELS imaging program (PIs Faber/Ferguson: GO 12060-64); NIR imaging of GOODS, EGS, COSMOS, and UDS fields. (Multi-cycle Treasury Program, 902 orbits)
- 2010 – 2011 — Co-I on a HST/WFC3 imaging program (PI Windhorst: GO 12332); NIR imaging of $z \simeq 6$ QSO host galaxies. (10 orbits)

→ Ground Telescopes (PI/key Co-I/Large Proposals Only – more than 30 nights)

- 2018 – 2019 — Co-I on a ALMA (Chile) [CII] Large proposal; ALPINE: The ALMA Large Program to INvestigate CII at Early times (69.3 hours)
- 2011 – 2013 — Co-I on a 6.5m Magellan Telescope (Chile) FIRE proposal; spectroscopic follow-up of $z \sim 2$ galaxies in the WISPS fields. (PI McCarthy: 2011A → 2 nights, 2011B → 3 nights, 2012A → 4 nights, 2012B → 4 nights, 2013A → 3 nights, 2013B → 3 nights)
- 2012 — PI on a 6.5m Magellan Telescope (Chile) FIRE proposal; spectroscopic follow-up of $z \sim 2$ galaxies in the HIPPIES fields. (2012B → 3 nights)
- 2011 — Co-I on a 10m Keck Telescope (HI, USA) DEIMOS proposal; spectroscopic follow-up of high redshift galaxies in the CANDELS fields. (PI Mobasher: 2011A → 2 nights, 2011B → 3 nights)
- 2004 — Co-I on a 8m Gemini-North Telescope (HI, USA) GMOS proposal; spectroscopy of red and high redshift objects. (DDT, 1 night)
- 2003 — PI on a 6.5m Multi-Mirror Telescope (FLWO, AZ, USA) Blue Channel Spectrograph proposal; long-slit spectroscopy of GRB 030329 and field elliptical galaxies at $z \sim 0.2$–0.4. (2003A → 2 nights, 2003B → 2 nights)

SCIENCE COLLABORATIONS AND CONTRIBUTIONS

- Member — Co-I and/or a Collaborator on large survey teams.

  → JWST Survey – The Next Generation Deep Extragalactic Exploratory Public Survey (NGDEEP) Survey
  ▶ My contributions: Collaborator, Science analysis Redshift catalogs, Follow-up observations

  → JWST Survey – The Cosmic Evolution Early Release Science (CEERS) Survey
  ▶ My contributions: Collaborator, Science analysis Redshift catalogs, Follow-up observations

  → JWST Survey – JWST Medium-Deep Fields/GTO Program
  ▶ My contributions: CoI, Catalogs, Science analysis Follow-up observations

  → HST Survey – UV Imaging of the CANDELS Fields (UVCANDELS)
  ▶ My contributions: CoI, Redshift Catalogs, Science analysis

  → ALMA Survey – The ALMA Large Program to INvestigate C+ at Early times (ALPINE)
  ▶ My contributions: CoI, Ancillary spectroscopic data, Science analysis, Follow-up observations

  → VLT Survey – VIMOS Survey of the CANDELS fields (VANDELS)
  ▶ My contributions: Team member, Redshift catalogs, Science analysis, Follow-up observations

  → HST Survey – Faint Infrared Grism Survey (FIGS)
  ▶ My contributions: CoI, Redshift Catalogs, Science analysis Data release

  → VLT Survey – VIMOS Ultra Deep Survey (VUDS)
  ▶ My contributions: Team member, Redshift measurements, Follow-up observations, Science analysis

  → HST Survey – Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey (CANDELS)
  ▶ My contributions: CoI, Astrometry and data quality checks, Photometric and Spectroscopic catalogs, Visual classifications, Follow-up observations, Science analysis

  → HST Survey – WFC3 Infrared Spectroscopic Parallel Survey (WISPS)
  ▶ My contributions: CoI, Follow-up observations, Science analysis

  → HST Survey – WFC3 Early Release Science (ERS)
  ▶ My contributions: Team member, Planning observations, Data reduction, Science analysis

  → HST Survey – Probing Evolution And Reionization Spectroscopically (PEARS)

▶ My contributions: Team member, Data reduction, Science analysis

TEACHING / MENTORING EXPERIENCE

- **Space Telescope Science Institute (STScI)**, Baltimore, USA
  → Mentor (2020 – present) – Staff Member, Debopam Som

- **Laboratoire d'Astrophysique de Marseille**, Marseille, France
  → Research Mentor/Advisor (2013 – 2016)
  Graduate Students – B. Wang/R. Thomas/B. Ribeiro (Primary Advisor: O. Le Fèvre)

- **Carnegie Observatories**, Pasadena, CA, USA
  → Research Mentor/Advisor (2011 – 2013)
  Graduate Student – Daniel Masters (Primary Advisors: P. McCarthy, B. Mobasher)

- **University of California**, Riverside, CA, USA
  → Research Mentor/Advisor (2009 – 2010)
  Graduate Student – Hooshang Nayyeri (Primary Advisor: B. Mobasher)

- **Arizona State University**, Tempe, AZ, USA
  → Teaching Associate (Jan 2005 – Apr 2005)
  Spring → Physics 113/114 → General Physics Lab I/II

  → Teaching Associate (Jan 2004 – Apr 2004)
  Spring → Physics 101 → Introduction to Physics

  → Teaching Assistant (Jan 2003 – Apr 2003)
  Spring → Physics 113 → General Physics Lab I

  → Teaching Assistant (Jan 2002 – Dec 2002)
  Spring → Physics 101/114 → Introduction to Physics/General Physics Lab II
  Summer I → Physics 113 → General Physics Lab I
  Summer II → Physics 131/132 → University Physics II Rec/Lab
  Fall → Physics 121 → University Physics I

  → Teaching Assistant (Jan 2001 – Dec 2001)
  Spring → Astronomy 114 → Astronomy Lab II
  Summer I → Physics 121/122 → University Physics I Rec/Lab
  Summer II → Astronomy 114 → Astronomy Lab II
  Fall → Astronomy 111/Physics 101 → Introduction to Astronomy/Physics

  → Teaching Assistant (Jan 2000 – Dec 2000)
  Spring → Astronomy 114 → Astronomy Lab II
  Fall → Astronomy 113 → Astronomy Lab I

  → Teaching Assistant (Jan 1999 – Dec 1999)
  Spring → Physics 113 → General Physics Lab I
  Fall → Physics 111 → General Physics I

- **University of Western Australia**, Perth, WA, Australia

→ Lab Demonstrator (Mar 1998 – Jul 1998)

- **University of Queensland**, Brisbane, QLD, Australia
  → Lab Demonstrator (Jul 1997 – Nov 1997)

COMPUTER SKILLS

- **Operating Systems** Mac OS X, Unix/Linux, Microsoft Windows
- **Data Processing** Python, IDL, SExtractor, IRAF/PyRAF, SuperMongo, GALFIT
- **Word Processing** LaTeX, EMACS, Vi, Word/Pages, Excel/Numbers
- **Image Processing** DS9, IDL, Python, Gimp
- **Presentation** LaTeX, Powerpoint/Keynote, HTML

PUBLICATIONS (REFEREED & NON-REFEREED)

(Journal/Review Papers, PhD Thesis, Conference Presentations, Proceedings, Instrument Science Reports, Circulars, Catalogs, Proposals)

[‡ **Non-ADS/non-arXiv presentations or white papers**]

[† **arXiv only publications**]

First, Second, & Third-Author Publications (900+ citations)

[**65**] "ACS Data Handbook v. 12.0"
Hathi, N. P.; Lucas, R. A.; Ryon, J. E.; et al.
2023, ACS Data Handbook, Version 12.0, (Baltimore: STScI).

[**64**] "ACS CCD Stability Monitor"
Hathi, N.; Anderson, J.; Avila, R.; et al.
2022, HST Cycle 30 Proposal (ID #16968).

[**63**] "What We've Learned After 20 Years On-Orbit: Advice for Observing With HST's Advanced Camera for Surveys"
Lucas, R.; Hathi, N.; Grogin, N. A.
2022, 240^{th} AAS Meeting (Abstract 206.02).

[**62**] "ACS Internal Flat Fields"
Cohen, Y.; Grogin, N.; Hathi, N. P.
2021, HST Cycle 29 Proposal (ID #16528).

[**61**] "ACS CCD Stability Monitor"
Hathi, N.; Anderson, J.; Avila, R.; et al.
2021, HST Cycle 29 Proposal (ID #16520).

[**60**] "ACS Internal Flat Fields"
Hathi, N.; Hoffmann, S.; Grogin, N.
2020, HST Cycle 28 Proposal (ID #16385).

[**59**] "HST/ACS Grism: Updating Trace and Wavelength Calibrations"
Hathi, N. P.; Pirzkal, N.; Grogin, N.; Chiaberge, M.
2020, 236^{th} AAS Meeting (Abstract 242.02).

[**58**] "Advice for Planning ACS Observations"
Lucas, R.; Hathi, N. P.; Grogin, N. A.
2019, Instrument Science Report ACS 2019-07

[**57**] "SBC Absolute Flux Calibration"
Avila, R. J.; Bohlin, R.; Hathi, N.; et al.
2019, Instrument Science Report ACS 2019-05

[**56**] "ACS CCD Stability Monitor"
Hathi, N.; Grogin, N.; Bellini, A.; et al.
2019, HST Cycle 27 Proposal (ID #15764).

[**55**] "Trace and Wavelength Calibrations of the HST/ACS G800L Grism"
Hathi, N. P.; Pirzkal, N.; Grogin, N.; Chiaberge, M.
2019, 234^{th} AAS Meeting (Abstract 301.08).

[**54**] "The ACS/WFC G800L Grism: I. Long-term Stability"
Hathi, N.; Pirzkal, N.; Grogin, N.; Chiaberge, M.
2019, Instrument Science Report ACS 2019-01

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