

# Diversity, Equity, and Inclusion (DEI) Annotated Resource List for Hiring and Workplaces

A community generated list of DEI resources and best practices, compiled by the AAS Employment Committee (EC). A short summary of each article, program, white paper, or resource is included. Some of these links were collected from participants in the recent EC survey on '[The State of the Industry in Diversity Hiring Practices](#)'. *This is not meant to be an exhaustive list, as we recognize there exist many other valuable resources for DEI.*

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## Advice and Resources for Hiring

### Academic Hiring

- [The UC ADVANCE PAID program website and associated reports](#)
  - *Summary:* **Website of the ADVANCE PAID program, which focuses on research-based recruitment/retention/advancement of women and underrepresented minority faculty -- collecting data over the 10 UCA campuses and holding bi-annual roundtable meetings to discuss diversity programs and efforts.** Website includes links to the UC round-table reports on workplace climate and to the UC data tables on diversity. Full reports on three round tables (1, 4, 5), with readings, slides, and presenter lists for two round tables (2 and 3)
    - Roundtable 5: "[Workplace Climate: Assessments and Interventions to improve diversity among STEM faculty](#)" (2014, 12 pages) examines issues of workplace climate and how it affects recruitment/retention/advancement of STEM faculty, discusses what affects workplace climate, and gives tools, resources, and strategies for assessing and improving workplace climate.
    - Roundtable 4: "[The Role of Contributions to Diversity in Faculty Hiring and Academic Review](#)" (2013, 10 pages) discusses the relationship between diversity and academic excellence and the benefits, works to develop well grounded measures to evaluate/reward contributions to diversity, and seeks a greater understanding of faculty roles in building a better pipeline. It also includes a discussion of the use of diversity statements in hiring and in promotion and tenure.
    - Roundtable 3: Mentoring Faculty in an Inclusive Climate: Supporting Women and URM STEM Faculty at UC (2013, readings and slides)
    - Roundtable 2: Building Capacity for Institutional Transformation in the 21st Century: Women of Color in STEM and SBS Fields (2012, readings and slides)



- *Recommended by:* Participant from the AAS Employment Committee survey on the state of the industry hiring practices.
- [A curated list of hiring sites which focus on underrepresented minorities](#)
  - *Summary:* **A useful list of hiring sites, programs, organizations, and networks focusing on minority groups.** Can be sorted by minority group, by field, or by name/website link. Includes over 60 groups.
  - *Source:* Github list curated by Ranpall Gill of Rubin Observatory.
  - *Recommended by:* Participant from the AAS Employment Committee survey on the state of the industry hiring practices.

## Non-Academic Hiring

- [Improving Diversity Hiring in Tech](#)
  - *Summary:* **Article that discusses areas of disconnect common to tech companies and recruiters.** Suggests that 1) tech recruiting should be more like what is done in sports (early recruiting, grassroots efforts, human to human connection); 2) recruiters need to look beyond historically black colleges/universities (a greater population of underrepresented groups go to 'majority' schools); and 3) everyone should think more about retention (foster a diverse and welcoming environment, encourage different ways of making connections, start chapters of groups like Society of Hispanic Engineers; Society of Women Engineers, etc).
  - *Source:* 2015 article by Wendell Tull, published in TechCrunch (online newspaper focusing on high tech and startups)
  - *Recommended by:* Diversity, Culture, and Respect Working Group at STScI
- [How to Increase Workplace Diversity](#)
  - *Summary:* forthcoming
  - *Source:* 2009 article by Erin White, published in the Wall Street Journal (newspaper focusing on business and finance). Note: article is behind a paywall.
  - *Recommended by:* Diversity, Culture, and Respect Working Group at STScI
- [Recruiting Strategies to Improve Your Diversity Brand](#)
  - *Summary:* **Article that gives advice for companies who want to develop more diverse recruiting strategies.** Outlines a process of making sure that everyone is on the same page, assessing where the company is currently, determining where it needs the most work, setting specific goals, and building a recruiting strategy from there. Gives a seven point strategy focusing on ways to reach out to different groups, as well as suggestions for using social media for diversity marketing.
  - *Source:* 2017 article by Johnny Torrance-Nesbitt, published on Smart Recruiters (online resources and software for recruiters and recruiting companies)
  - *Recommended by:* Diversity, Culture, and Respect Working Group at STScI

- [Getting People in The Pool: Diversity Recruitment that Works \(American Society of Association Execs\)](#)
  - **Summary: Article that acts as an introduction to workplace diversity and hiring diversity for companies, with examples of starting points.** Emphasizes making sure that everyone understands the business case for having a diverse workforce (e.g., marketing to a wider audience; better performance). Gives examples of first steps and initiatives for companies working to expand diversity at their workplace, as well as examples of successful businesses and how these practices helped. Ends with a list of minority groups and organizations that companies can talk to.
  - **Source:** 2001 article by Patricia Digh, published in HR Magazine (magazine for HR professionals and business leaders)
  - **Recommended by:** Diversity, Culture, and Respect Working Group at STScI
- [JobTarget website](#)
  - **Summary: A platform of tools for job advertisement and hiring, both for recruiters and employers -- including diversity advertisement resources.** Allows for anonymized applications, reviewing the applicant pool to ensure diversity, and automates advertising job openings on different diversity focused job sites. Enables tracking to determine where candidates are coming from and what advertising is most effective for recruitment.
  - **Source:** JobTarget website
  - **Recommended by:** Participant from the AAS Employment Committee survey on the state of the industry hiring practices.
- [A curated list of hiring sites which focus on underrepresented minorities](#)
  - **Summary: A useful list of hiring sites, programs, organizations, and networks focusing on minority groups.** Can be sorted by minority group, by field, or by name/website link. Includes over 60 groups.
  - **Source:** Github list curated by Ranpall Gill of Rubin Observatory.
  - **Recommended by:** Participant from the AAS Employment Committee survey on the state of the industry hiring practices.

## Recommendations and Best Practices for Workplaces and Conferences

- [Project Include website](#)
  - **Summary: Website of the non-profit Project Include, which works to accelerate diversity and inclusion in the tech industry using data and advocacy.** Project Include focuses on inclusion, comprehensiveness, and accountability. It has a page of information and recommendations on each of 14 different topics: defining culture; implementing culture; a guide to writing a code

of conduct; employee lifecycle; hiring; onboarding; compensating fairly; providing feedback' training; training managers; investing in sponsorships; resolving conflicts; measuring progress; and leading as venture capitalists, educators, and employees. It also has an article on how to make the first steps to move forward and get a company/start-up invested. There are specific case studies for different groups (Disability, LGBT+ including specific examples, religious, caregiver) and companies. There is also a news page which has a list of articles for further reading.

- *Source:* Project Include website
- *Recommended by:* A member of the AAS Employment Committee
- [LGBT+ Inclusivity Best Practices Guide, Second Edition](#)
  - **Summary: An extensive guide of best practices for increasing LGBT+ inclusivity in astronomy and physics, with an introduction to LGBT+ issues and first steps: assess and address; break the silence and invisibility; educate and advocate; set the example and expectations; and support and include.** Includes an overview on how best to use the guide itself and apply recommendations most effectively, with specific advice and tags for different categories of activities (department level, classroom level, staff, institution, hiring, travel, collaborations, advising). Appendix includes more resources for LGBT+ support, an example survey for collecting demographic information; and a glossary of definitions of LGBT+ related terminology.
  - *Source:* A Joint Publication of LGBT+ Physicists and The AAS Committee for Sexual and Gender Minorities in Astronomy, published in 2018 (85 pages)
  - *Recommended by:* Participant from the AAS Employment Committee survey on the state of the industry hiring practices.
- [\(Un\)conscious Bias in the Astronomical Profession: Universal Recommendations to improve Fairness, Inclusiveness, and Representation](#)
  - **Summary: A white paper presenting a plan with universal recommendations to increase diversity and inclusiveness in the Astronomical Community as a whole, based on STScI's efforts to raise awareness of unconscious bias and increase diversity representation.** It first gives an introduction of why diversity is important in science and examples of how we have not truly succeeded in that. It then gives an overview of bias and unconscious bias with specific examples and studies of their effects on evaluations and hiring. Next it describes the efforts of STScI over the past 10 years to work towards better diversity outcomes and describes their newfound best and most effective practices. Finally, it suggests the universal adaptation of some of these practices to increase diversity, inclusion, and fairness in Astronomy as a whole.
  - *Source:* 2019 white paper by Alessandra Aloisi and Neill Reid from STScI, for the 2020 Decadal Survey (13 pages).
  - *Recommended by:* A member of the AAS Employment Committee

- [Enhancing Conference Participation to Bridge the Diversity Gap](#)
  - Summary: **A white paper which provides recommendations and best practices for broadening conference participation, based on a survey of STSci research staff.** Best practices include: allowing remote participation, having a diverse organizing committee and a gender balanced speaker list, giving flexible funding for dependent care support, and giving additional targeted funding for travel to underrepresented groups. The survey results also show some of the issues that disproportionately affect women and minorities. For example, while conference attendance rates are very similar for men and women *without* dependents, women *with* dependents are significantly less likely to attend or submit abstracts to conferences than *men* who have dependents. The survey considered participants gender, career stage, racial and ethnic groups, relationship status, and number of dependents.
  - Source: 2019 white paper from the STScl Women in Astronomy Forum (Prichard et al.), for the 2020 Decadal Survey (10 pages).
  - Recommended By: A member of the AAS Employment Committee
- [Astro2020 White Papers on Diversity, Inclusion, and Equity](#)
  - **Summary: A brief introduction to the 2020 Decadal Survey and the “Activities, Projects, or State of the Profession Consideration” (APC) white papers, with a focus on and links to the 20 white papers related to DEI that were submitted for the 2020 Decadal Survey.** The decadal survey offers astronomers the opportunity to present topics and ideas they think should be high priority for the community. While the number of white papers from 2010 related to DEI increased (5 in 2010, 20 in 2020), the percentage of APC white papers related to DEI went down (7.2% to 5.9%). These white papers serve both to introduce readers to DEI related topics and to recommend best practices. Topics span a wide range, including: mental health, using indigenous knowledge respectfully and as a collaboration, gender equity and marginalized genders, breaking down institutional barriers, and eliminating harassment.
  - **Source:** 2019 article by Sofia Sheikh and Shirin Zaidi, for the Penn State University Women and Underrepresented Genders in Astronomy group (3 pages).
  - Recommended by: A member of the AAS Employment Committee

## Advice for Applicants

- [Guidelines for Writing a Statement of Contributions of Diversity, Equity, and Inclusion \(UC Davis\)](#)
  - **Summary: Advice to applicants for writing a strong diversity statement in applications.** Gives a description of what search committees are often considering (awareness of inequities/challenges; your track record; vision and plans for the future) and examples of ways that current faculty have contributed

to the university's strategic plan for diversity, equity, and inclusion (e.g., creation of programs, outreach, mentoring, service).

- *Source:* UC Davis Academic Affairs website
- *Recommended by:* Diversity, Culture, and Respect Working Group at STScI
- [Contributions to Diversity Statements](#)
  - *Summary:* **Overview of Diversity Statement requirements for faculty candidates at UC San Diego.** Includes links to guidelines for applicants, examples in different fields (Biology, Physical Science, Engineering), and evaluation guidelines.
  - *Source:* UC San Diego, Center for Faculty Diversity and Inclusion website.
  - *Recommended by:* Diversity, Culture, and Respect Working Group at STScI
- [Applicant Diversity Statement in Faculty Search Process: Frequently Asked Questions](#)
  - *Summary:* **FAQ page for the faculty applicant diversity statement at UC Irvine.** Includes what a diversity statement should consist of (contributions and track record, awareness of inequities and challenges, and future plans); what the statement should address (how an activity advances equal opportunity and diversity, what impact/significance an activity has, and how the activity has been recognized); and a [diversity statement evaluation](#) [note: the diversity statement evaluation link from the website itself is broken, please use this one instead].
  - *Source:* UC Irvine ADVANCE program for Equity and Diversity
  - *Recommended by:* Diversity, Culture, and Respect Working Group at STScI
- [AAS Internships & Summer Jobs website](#)
  - *Summary:* **A list of fellowships, internships, summer jobs, summer camps, fellowships, scholarships, and other opportunities (ranges from summer camps for children to faculty opportunities).** Gives an overview of the NSF REU programs, Pathways for Science from Institute for Broadening Participation, and a list of other summer research and outreach opportunities for undergraduates, including those specifically targeting underrepresented minorities. Also includes Aerospace industry internships and fellowships; a list of summer camps for kids/highschoolers; summer opportunities for grad students, postdocs, and faculty; scholarships for women and/or single moms; science policy fellowships; and a link to the AAS Job register.
  - *Source:* AAS Website
  - *Recommended by:* A member of the AAS Employment Committee.
- [Amendment to NASA's Research Opportunities in Space and Earth Science \(ROSES\) 2021 Astrophysics Theory Program, regarding Inclusion and Data Management Plans, with Frequently Asked Questions/Q&As](#)
  - *Summary:* **An announcement of the requirement for an inclusion plan when applying for the ROSES-2021 Astrophysics Theory Program, along with a FAQ page for this and other updates.** Items in the inclusion plan may be



included in the budget and budget justification when applying. The FAQ page includes links to resources from NASA, AAS, and AIP that are related to Diversity and Inclusion and that could be helpful when writing an inclusion plan.

- Source: ROSES-2021, the NASA Astrophysics Theory Program.
- Recommended by: A member of the AAS Employment Committee
- [A curated list of hiring sites which focus on underrepresented minorities](#)
  - **Summary: A useful list of hiring sites, programs, organizations, and networks focusing on minority groups.** Can be sorted by minority group, by field, or by name/website link. Includes over 60 groups.
  - **Source:** Github list curated by Ranpall Gill of Rubin Observatory.
  - **Recommended by:** Participant from the AAS Employment Committee survey on the state of the industry hiring practices.

## Examples of existing institution DEI programs and resources

- [UC Recruitment and Retention of Faculty documentation](#)
  - **Summary: A detailed document going over the UCA policies and programs related to affirmative action and the recruitment and retention of diverse faculty.** Includes an overview of proposition 209 (1996 California non-discrimination law), a discussion of under-representation and it's costs, and descriptions of both mandatory and voluntary affirmative action programs that can be undertaken. Also includes best practices for recruitment, hiring, and retention, as well advice on creating a welcoming campus climate.
  - **Source:** 2002 University of California affirmative action guidelines, 16 pages.
  - **Recommended by:** Diversity, Culture, and Respect Working Group at STScI
- [University of Arizona & Steward Observatory Diversity and Inclusion website](#)
  - **Summary: Website of the University of Arizona/Steward Observatory's Diversity and Inclusion committee, with links to both internal and external programs and initiatives supported by the University and it's members.** Some examples of initiatives include Astrocharlas (a spanish lecture series for the hispanic community of Tucson); the UA Native American Student mentor program; the Prison Education project (teaching at the local state prison system), The Supernova Foundation (a mentorship network for young women in astronomy).
  - **Source:** University of Arizona/Steward Observatory website.
  - **Recommended by:** Participant from the AAS Employment Committee survey on the state of the industry hiring practices.