

Amita Kuttner

Address: Vancouver
British Columbia, Canada

Website: amitakuttner.com
Pronouns: they/he/ille

Education

- 2019 **Ph.D. Astronomy & Astrophysics**
University of California, Santa Cruz
Advisor: Anthony Aguirre
- 2016 **M.S. Physics**
University of California, Santa Cruz
- 2013 **B.S. Physics**
University of California, Santa Cruz
Magna Cum Laude
Highest Honors in the Major

Professional Experience

- 2021 – 2022 **Interim Leader**
Green Party of Canada
- 2020 – 2021 **Co-founder and Executive Director**
moonlight institute
- 2020 **Candidate for Leader**
Green Party of Canada
- 2018 – 2020 **Shadow Cabinet Critic for Science and Innovation**
Green Party of Canada
- 2018 – 2019 **Candidate for Member of Parliament**
Burnaby North – Seymour
Green Party of Canada
- 2014 – 2019 **Graduate Student Researcher**
University of California, Santa Cruz
- 2014 – 2017 **Teaching Assistant**
Physics and Astronomy Departments
University of California, Santa Cruz
- 2013 – 2014 **Reader/Grader**
Physics Department
University of California, Santa Cruz
- 2011 – 2017 **Physics, Math, and Astronomy Tutor**
Santa Cruz, California, USA

Publications & Articles

- 2020 **Understanding black hole evaporation using explicitly computed Penrose diagrams**
Schindler, J. C., Aguirre, A., Kuttner, A. *Physical Review D*, Vol. 101 Issue 2. Peer Reviewed.
- 2019 **Evaporating Wormholes**
Kuttner, A. Doctoral Dissertation, *University of California, Santa Cruz*. UC Santa Cruz Electronic Theses and Dissertations. Peer Reviewed.
- 2019 **Feds need to increase support for all research to prepare Canadians for changes on the horizon**
Amita Kuttner. *The Hill Times*, May 6, 2019.
- 2019 **Concerns of young protesters are justified**
Hagedorn, G., Kalmus, P., Mann, M., Vicca, S., Van den Berge, J., van Ypersele, J.-P., Bourg, D., Rotmans, J., Kaaronen, R., Rahmstorf, S., Kromp-Kolb, H., Kirchengast, G., Knutti, R., Seneviratne, S. I., Thalmann, P., Cretney, R., Green, A., Anderson, K., Hedberg, M., Nilsson, D., Kuttner, A., Hayhoe, K. *Science*, Vol. 364, Issue 6436. Pages 139-140. Peer Reviewed.
- 2019 **What happens to people in the age of AI?**
Amita Kuttner. *The Hill Times*, February 13, 2019.

Selected Policy & Political Writing

- 2022 **Finding Balance: Reconnecting to our Values**
Amita Kuttner, *Green Party of Canada*. Interim Leader's Report.
https://amitakuttner.com/pdfs/Interim_Leader_Report_by_Amita_Kuttner.pdf
- 2020 **Being trans and visible on the political stage**
Amita Kuttner, *Green Party of Canada*.
<https://www.greenparty.ca/en/statement/2022-03-31/being-trans-and-visible-political-stage>
- 2020 **Balanced Leadership: A policy platform for 2020 and beyond**
Amita Kuttner, Balanced Leadership Policy Team.
Leadership election platform, *Green Party of Canada*.
https://amitakuttner.com/pdfs/Policy_Book_-_English_-_Balanced_Leadership.pdf
- 2020 **Petition to the House of Commons in Parliament assembled**
Amita Kuttner, Ecocide Canada, Balanced Leadership Campaign Team.
Parliamentary e-petition, e-2827 (Environment).
<https://petitions.ourcommons.ca/en/Petition/Details?Petition=e-2827>
- 2019 **Election Platform Planks: Science and Innovation, Artificial Intelligence**
Amita Kuttner, *Green Party of Canada*. Pages 43, 46-47.
https://www.greenparty.ca/sites/default/files/platform_2019_web_update_oct_6.pdf

Scholarships, Fellowships, & Awards

- 2022 **Honouring our Heroes Award**
LGBTQ2+ hero making a difference in the world
Metropolitan Community Church of Toronto
Toronto, ON, Canada
- 2017 – 2018 **Graduate Assistance in Areas of National Need Fellowship**
U.S. Department of Education
University of California, Santa Cruz
- 2016 **Honorable Mention**
National Science Foundation Graduate Research Fellowship Program
University of California, Santa Cruz
- 2014 – 2019 **Graduate Student Fellowships**
Teaching and research tuition and fee fellowships
University of California, Santa Cruz
- 2014 **Regent's Fellowship**
UCSC Award
University of California, Santa Cruz
- 2013 **Marilyn Stevens Award**
for the Outstanding Undergraduate in Physics
University of California, Santa Cruz
- 2011 – 2013 **Dean's Honors List**
All eligible academic terms
University of California, Santa Cruz
- 2011 – 2013 **NSF S-STEM Supernova Scholarship**
National Science Foundation
University of California, Santa Cruz
- 2008 – 2009 **President's Entrance Scholarship**
UBC Award
University of British Columbia

Presentations

- 1/2023 **Conference for Undergraduate Women in Physics**
American Physical Society
University of California, Santa Cruz
Panelist: Intersectionality in Physics
- 10/2022 **The Power of Change: Storytelling for Climate Action**
Global greens, COP27 Webinar Series
International (online)
Talk on the impact of personal story
- 10/2022 **2022 Champions of Mental Health Gala**
Canadian Alliance on Mental Illness and Mental Health
Ottawa, Ontario, Canada
Leader's remarks
- 8/2022 **ComSciConCAN 2022**
University of Toronto
Toronto, Ontario, Canada (online)
Panelist: Science Policy, Expert Reviewer: Create-A-Thon
- 7/2022 **43rd AFN Annual General Assembly**
Assembly of First Nations
Vancouver, British Columbia, Canada
Leader's remarks
- 4/2022 **29th Canadian Legislative Conference**
International Association of Fire Fighters
Ottawa, Ontario, Canada
Leader's remarks
- 3/2022 **Trans Day of Visibility Panel**
T'eVine
Victoria, British Columbia, Canada (online)
Panelist
- 3/2022 **Gender Equity Week: Resolving Inequity - Developing Solutions to Neglected Problems in a Post-Pandemic Era**
Schulich School of Law, Dalhousie University
Halifax, Nova Scotia, Canada (online)
Panelist: Law and Policy
- 2022 **Reconnection Tour**
Green Party of Canada
Various cities and provinces, Canada
36 talks on systemic transformation and visioning
- 3/2022 **International Women's Day Event**
Canadian Congress on Diversity and Workplace Equity
Ottawa, Ontario, Canada (online)
Talk on implicit and systemic biases

Presentations cont.

- 1/2022 **Future Leaders in Politics Summit**
GreenPAC Canada
Ottawa, Ontario, Canada (online)
Keynote: Why Politics for Environmental Leaders
- 12/2021 **100 Years of Women MPs Anniversary Gala**
Equal Voice Foundation
Ottawa, Ontario, Canada
Leader's remarks
- 11/2021 **Virtual General Meeting**
Green Party of Canada
Ottawa, Ontario, Canada (online)
Keynote address on healing and hope
- 10/2021 **Student Union Development Summit Gala**
University of British Columbia
Vancouver, British Columbia, Canada
Talk title: Building Resilience: preparing for chaos
- 4/2021 **Solve Climate by 2030 Panel**
Toronto Metropolitan University
Toronto, Ontario, Canada (online)
Panelist
- 3/2021 **AAAS Science and Technology Policy Fellows Guest Lecture**
American Association for the Advancement of Science
Co-presented with Abhishek Gupta, Montreal AI Ethics Institute
Washington D.C., USA (online)
Talk title: From Bushwhacking to Bridge Building: Navigating the policymaking jungle for technologists
- 2/2021 **UN Sustainable Development Goals Speaker Series**
Mount Madonna School
Watsonville, California, USA (online)
Talk title: Shifting Perspectives: Adventures in tech policy and beyond
- 7/2020 **BIPOC in STEM Panel**
Queer Atlantic Canadian STEM
Atlantic Canada (online)
Panelist
- 7/2020 **VanEx Get Connected**
Vancouver Executives Association
Vancouver, British Columbia, Canada (online)
Talk title: Artificial Intelligence and the Future of Work

Presentations cont.

- 2/2020 **Sonia Furstenu Leadership Race Launch**
Green Party of British Columbia
Vancouver, British Columbia, Canada
Speaker
- 2/2020 **Alumni Career Talks**
Physics 11: The Physicist in Industry
University of California, Santa Cruz
Talk title: Policy and Politics
- 6/2019 **Sustainability Leadership Congress**
Intengine
Vancouver, British Columbia, Canada
Panelist: Engagement and Democracy
- 5/2019 **March for Science Panel**
Evidence for Democracy
Burnaby, British Columbia, Canada
Talk title: Science and Humanity
- 11/2018 **Science Talk at the Library**
North Vancouver District Public Library, Parkgate Branch
North Vancouver, British Columbia, Canada
Talk title: Black Holes: Enigmas of the Cosmos
- 2/2016 **Student Talk and Discussion**
UCSC Women in Physics and Astronomy
University of California, Santa Cruz
Talk title: Establishing the Roots of Success: An introduction to grit and growth mindset

Volunteer Experience

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| 2021 – Present | Co-founder and Projects Director moonlight institute <i>Vancouver, British Columbia, Canada</i> |
| 2021 | Board Member Green Party of Vancouver <i>Vancouver, British Columbia, Canada</i> |
| 2021 | Volunteer Campaign to Elect Devyani Singh Green Party of Canada <i>Vancouver, British Columbia, Canada</i> |
| 2019 | Volunteer Campaign to Elect Paul Manly Green Party of Canada <i>Nanaimo, British Columbia, Canada</i> |
| 2019 | Bénévole Campagne pour élire Daniel Green Parti vert du Canada <i>Outremont, Québec, Canada</i> |
| 2018 | Volunteer Proportional representation referendum FairVote Canada <i>Vancouver, British Columbia, Canada</i> |
| 2017 – 2018 | President UCSC Women in Physics and Astronomy <i>University of California, Santa Cruz</i> |
| 2017 – 2018 | Founding Member UCSC 314 Action Group <i>University of California, Santa Cruz</i> |
| 2015 – 2018 | Advertising Coordinator Cabrillo Symphonic Chorus <i>Cabrillo College</i> |
| 2016 – 2017 | Vice President and Treasurer UCSC Women in Physics and Astronomy <i>University of California, Santa Cruz</i> |
| 2014 | Outreach Activity Leader UCSC Women in Science and Engineering <i>University of California, Santa Cruz</i> |
| 2014 – 2015 | Sub-Committee Chair APS Conference for Undergraduate Women in Physics, Local Organizing Committee <i>University of California, Santa Cruz</i> Chaired committees: Logistics, Workshops, and Volunteers. |

Conferences & Professional Development

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| 2022 | 2030 in Focus: Getting the Next Decade Right on Net-Zero Canadian Climate Institute <i>Ottawa, Ontario, Canada</i> |
| 2021 | Thinkers Lodge Summit Centre for Local Prosperity <i>Pugwash, Nova Scotia, Canada (online)</i> |
| 2021 | Praxis: Transformational Leadership in a Time of Systems Shock British Columbia Council for International Cooperation <i>Vancouver, British Columbia, Canada (online)</i> |
| 2019 | COP 25 UNFCCC & Governments of Chile, Spain <i>Madrid, Spain</i> |
| 2019 | Augmented Intelligence Summit 7th Future & Future of Life Institute <i>Scotts Valley, California, USA</i> |
| 2017 | New Horizons in Inflationary Cosmology Stanford Institute for Theoretical Physics <i>Stanford University</i> |
| 2016 | Physics of the Observer Workshop Foundational Questions Institute Bay Area <i>University of California, Santa Cruz</i> |
| 2015 | Conference for Undergraduate Women in Physics American Physical Society <i>University of California, Santa Cruz</i> |

Professional Associations & Societies

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| | American Physical Society |
| Member | American Association for the Advancement of Science |
| | Golden Key International Honour Society |

Languages

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| English | Primary fluency |
| French | Full professional proficiency |
| Spanish | Limited working proficiency |
| German | Elementary proficiency |
| Italian | Elementary proficiency |

Selected Musical Performances

- 2019 **Opera Aria and Duet**
Rossini's *Una voce poco fa* and Mozart's *Crudel perche finora*
Vancouver Amateur Musicians Association
Vancouver, British Columbia, Canada
- 2017 **Conductor and Director**
Weinachtschor
Santa Cruz German American Club
Santa Cruz, California, USA
- 2017 **Soprano Chorister**
Premiere of Ešenvalds' *Sunset in My Hand: Ancient Voices of the Wild Pacific Coast*
Cabrillo Symphonic Chorus
Carnegie Hall, New York, New York, USA
- 2016 **Soprano Soloist**
Mozart's *Vesperae Solemnes de Confessore*
Cabrillo Symphonic Chorus
Santa Cruz, California, USA
- 2016 **Cover Soprano Soloist**
Beethoven's *9th Symphony*
Santa Cruz Symphony
Santa Cruz, California, USA
- 2015 **Soprano Soloist**
Various Gilbert and Sullivan Selections
Cabrillo Symphonic Chorus
Santa Cruz, California, USA
- 2014 **Soprano Soloist**
Various Opera Choruses
Cabrillo Symphonic Chorus
Santa Cruz, California, USA
- 2013 **Soprano Chorister**
Choral Concert Tour
Cabrillo Symphonic Chorus
Croatia, Slovenia, and Italy
Including: St. Mark's Basilica, Venice, and St. Peter's Basilica, Vatican City
- 2012 **Soprano Chorister**
Rutter's *Mass of the Children*
Cabrillo Symphonic Chorus
San Francisco, California, USA
- 2011 **Soprano Chorister**
Whitacre's *Paradise Lost*
Distinguished Concerts International
Disney Hall, Los Angeles, California, USA