

ARMIN SOROOSHIAN
Professor and University Distinguished Scholar

Department of Chemical and Environmental Engineering (CHEE)
Courtesy Appointment: Department of Hydrology and Atmospheric Sciences (HAS)
Courtesy Appointment: College of Optical Sciences
Courtesy Appointment: College of Public Health
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SCIENTIFIC FOCUS

Aerosols, Trace Gases, and Wet Deposition; Air Quality and Public Health; Aerosol-Cloud-Precipitation Interactions; Surface and Airborne Field Measurements; Arid Region Topics

EDUCATION

2008 Ph.D., Chemical Engineering, California Institute of Technology

- Advisors: John H. Seinfeld & Richard C. Flagan
- Cornelius J. Pings Graduate Fellowship (Betty and Gordon Moore Foundation, 2003-2008)
- Thesis Title: Aerosol composition and hygroscopicity studies: instrument development/characterization, ambient and laboratory measurements, and modeling

2005 M.S., Chemical Engineering, California Institute of Technology
2003 B.S., Chemical Engineering, University of Arizona

PROFESSIONAL EXPERIENCE

2026 – present, *Interim Department Chair*, UA, Department of CHEE
2018 – present, *Professor, University Distinguished Scholar, da Vinci Fellow*, UA, Department of CHEE (Courtesy Appointments in HAS, College of Optical Sciences, College of Public Health)
2015 – 2018, *Associate Professor and University Distinguished Scholar*, UA, Department of CHEE (Courtesy Appointments in HAS, College of Public Health)
2009 – 2015, *Assistant Professor*, UA, Department of CHEE (Courtesy Appointments in Atmospheric Sciences, College of Public Health)
2008 – 2009, *Postdoctoral Scholar*, Cooperative Institute for Research in the Atmosphere (CIARA)
2003, *Intern*, Intel Corporation, Santa Clara, CA
2002, *Intern*, Intel Corporation, Chandler, AZ
2001, *Intern*, Hitachi Chemical Corporation, Ibaraki, Japan

HONORS AND AWARDS

National/International

2026 Walter Orr Roberts Lectureship – AMS
2025 Invitational Fellowship for Research in Japan – Japan Society for the Promotion of Science (JSPS)
2025 Fellow – American Association for the Advancement of Science (AAAS)
2024 NASA Henry J. Reid Award – 1st Place Winning Paper (“Airborne HSRL-2 measurements of elevated aerosol depolarization associated with non-spherical sea salt”)
2023 Joanne Simpson Medal – American Geophysical Union (AGU)
2023 Fellow – AGU
2023 Ambassador in Chemical Sciences in France – French National Centre for Scientific Research (CNRS)
2023 NASA Group Achievement Award (3 times) – ACTIVATE Mission (2023), CAMP²Ex Mission (2020), and SEAC⁴RS Mission (2015)

- 2021** Invitee to NSF-supported Engineering Research Visioning Alliance (ERVA)
- 2019** Ascent Award – AGU Atmospheric Sciences Section
- 2018** AGU Research Spotlight Publication (2 times) – 2018, 2010
- 2017** Outstanding Reviewer Award (3 times) – Journal of Geophysical Research-Atmospheres (2017, 2016, 2012)
- 2015** Invitee and speaker – National Academy of Science’s Symposium on Climate Change (Nice, France)
- 2015** Co-Organizer and Speaker – U.S.-Iran Symposium on Climate Change: Impacts and Mitigation, National Academy of Sciences (Irvine, CA)
- 2014** NASA Earth and Space Science Fellowship
- 2014** Invitee – National Academy of Science’s Symposium on Sustainable, Resilient Cities (Irvine, CA)
- 2013** Invitee – National Academy of Engineering Frontiers of Engineering Education Symposium (Irvine, CA)
- 2013** Invitee – National Academy of Science’s US-Iran Symposium on Air Pollution in Megacities (Irvine, CA)
- 2013** Recognition for Reviewing Excellence for Atmospheric Environment
- 2012** Invitee and Co-Chair – National Academy of Engineering’s 2012 U.S. Frontiers of Engineering Symposium (Warren, MI)
- 2011** Invitee – National Academy of Engineering’s 2011 U.S. Frontiers of Engineering Symposium (Mountain View, CA)
- 2011** Invitee – American Society for Engineering Education National Effective Teaching Institute (Vancouver, Canada)
- 2010** Young Investigator Program Award – Office of Naval Research
- 2010** Invitee – Annual National Center for Atmospheric Research Early Career Scientist Assembly (ECSA) Junior Faculty Forum
- 2009** Atmospheric Chemistry Colloquium for Emerging Senior Scientists (ACCESS)
- 2008** Public Policy Colloquium Fellow – American Meteorological Society (AMS)

Internal

- 2026** Researcher of the Year Award – College of Engineering (CoE)
- 2022** Doctoral Dissertation Advisor Award – CoE
- 2018** da Vinci Circle Fellowship – CoE
- 2017** Spirit of Inquiry Alumnus Award and Honor’s College Commencement Keynote Speaker – Honor’s College
- 2017** Spirit of ASEMS Award (Arizona’s Science, Engineering, and Math Scholars program)
- 2016-2019** Faculty Fellows Program – UA
- 2016** Distinguished Scholar Award – UA
- 2015** Five Star Faculty Award Finalist (1 of 5) – UA
- 2010-2019** Award for Excellence at the Student Interface (7 times) – CHEE
- 2012-2014** Education Faculty Fellow – CoE
- 2003** Outstanding Senior – CHEE and CoE

PROFESSIONAL MEMBERSHIPS

AAAS, AGU, AMS, American Association for Aerosol Research, European Geophysical Union

BIBLIOGRAPHY

Refereed Articles – 299 Total; 17600 total citations, *h-index* of 72, *i10-index* of 244 (Google Scholar)

*corresponding author

2026-present

- 299. Robinson, E. S., Roychoudhury, C., Hameed, Y., Bares, R., Moore, T., Herckes, P., Fraser, M. P., Arellano, A., and **Sorooshian, A.**: *Urban ozone nonattainment: Interconnected challenges in the*

- Intermountain Western U.S.*, Journal of the Air & Waste Management Association, 10.1080/10962247.2026.2694482, 2026.
298. Barth, M. C., Campuzano-Jost, P., Cuchiara, G., Parotttil, A., Jimenez, J. L., Hilario, M. R. A., Lorenzo, G. R., and **Sorooshian, A.**: *Aerosol scavenging in DC3 and SEAC⁴RS deep convective storms*, Atmospheric Chemistry and Physics, 26, 9907-9927, 10.5194/acp-26-9907-2026, 2026.
 297. Beran, B., Siu, L. W., Choi, Y., DiGangi, J., Diskin, G. S., Thornhill, K. L., Pan, K., Arellano, A., and **Sorooshian, A.***: *Stratospheric ozone intrusions over the northwest Atlantic: Multiseasonal cases from the ACTIVATE airborne mission*, Atmospheric Environment, 122126, <https://doi.org/10.1016/j.atmosenv.2026.122126>, 2026.
 296. Robinson, E. S., Noushin, L. J., Martinez Guajardo, C., Lim, C. C., Arellano, A., and **Sorooshian, A.**: *Re-Evaluating springtime as southern Arizona's dust season*, GeoHealth, 10, e2025GH001745, <https://doi.org/10.1029/2025GH001745>, 2026.
 295. Gallo, F., **Sorooshian, A.**, Ziemba, L., Betito, G., Corral, A. F., Crosbie, E., Edwards, E.-L., Hilario, M. R. A., Kirschler, S., Robinson, C., Shook, M. A., Thornhill, K. L., Voigt, C., Winstead, E., Zeider, K., and Moore, R.: *Impact of shipping emission regulations on atmospheric vanadium along U.S. North Atlantic coast and over the western North Atlantic Ocean*, Journal of Geophysical Research: Atmospheres, 131, e2025JD045004, <https://doi.org/10.1029/2025JD045004>, 2026.
 294. Parakkat, L., AzadiAghdam, M., Betito, G., Braun, R., Corral, A. F., Crosbie, E. C., Edwards, E.-L., Hilario, M. R. A., MacDonald, A. B., Mardi, A. H., Preisler, K. M., Shook, M. A., Winstead, E. L., Zeider, K., Ziemba, L. D., and **Sorooshian, A.***: *Iodine at the aerosol–cloud interface: insights from airborne cloud water measurements*, ACS Earth and Space Chemistry, 10.1021/acsearthspacechem.6c00039, 2026.
 293. Zhang, J., Painemal, D., Dror, T., Lim, J. S., **Sorooshian, A.**, and Feingold, G.: *Inferring processes governing cloud transition during mid-latitude marine cold-air outbreaks from satellite*, Atmospheric Chemistry and Physics, 26, 6015-6034, 10.5194/acp-26-6015-2026, 2026.
 292. Gao, L., Redemann, J., Lenhardt, E. D., Chen, B., Xu, F., Ferrare, R., Hair, J., Nehrir, A., Hostetler, C., Shingler, T., Fenn, M., Cairns, B., **Sorooshian, A.**, and Chang, I.: *Below-cloud CCN concentrations provide better constraints on the Twomey effect than aerosol optical properties*, Geophysical Research Letters, 53, e2026GL122006, <https://doi.org/10.1029/2026GL122006>, 2026.
 291. Ajayi, T., Betito, G., Corral, A. F., Crosbie, E. C., Edwards, E.-L., Hilario, M. R. A., Shook, M. A., Winstead, E. L., Zeider, K., Ziemba, L. D., and **Sorooshian, A.***: *Characteristics of Northwest Atlantic cloud water: PMF applied to ACTIVATE's cloud water data set*, ACS Earth and Space Chemistry, 10.1021/acsearthspacechem.6c00028, 2026.
 290. Soltani, N., Mirrezaei, M. A., Arellano, A., Robinson, E. S., Fraser, M. P., Herckes, P., Hameed, Y., and **Sorooshian, A.**: *Characteristics of common ozone exceedance days across the U.S. Intermountain west*, Atmospheric Environment, 121982, <https://doi.org/10.1016/j.atmosenv.2026.121982>, 2026.
 289. Xu, Y., Mitchell, B., Zeng, X., Cutler, L., Ferrare, R., Hair, J., Hostetler, C., Shingler, T., **Sorooshian, A.**, and Thornhill, K. L.: *Intercomparison of four types of methods for estimating convective boundary layer heights using dropsonde measurements over the Northwest Atlantic*, Journal of Applied Meteorology and Climatology, e250065, <https://doi.org/10.1175/JAMC-D-25-0065.1>, 2026.
 288. Chen, J., Wang, H., Zhang, B., Liu, H., Painemal, D., **Sorooshian, A.**, Tai, S. L., and Voigt, C.: *Response of marine post-frontal clouds to Gulf Stream variability*, Atmospheric Chemistry and Physics, 26, 2209-2224, 10.5194/acp-26-2209-2026, 2026.
 287. Namdari, S., Ajayi, T., Choi, Y., Crosbie, E. C., DiGangi, J. P., Diskin, G. S., Edwards, E.-L., Hair, J. W., Hostetler, C. A., Kirschler, S., Nowak, J. B., Shook, M., Thornhill, K. L., Voigt, C., Winstead, E. L., Ziemba, L. D., and **Sorooshian, A.**: *Particulate nitrate over the Northwest Atlantic: Insights gained by comparing airborne AMS and PILS measurements*, Atmospheric Environment, 121824, <https://doi.org/10.1016/j.atmosenv.2026.121824>, 2026.

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285. Lorenzo, G. R., Ziemba, L. D., Choi, Y., Crosbie, E. C., DiGangi, J. P., Diskin, G. S., Ferrare, R. A., Kirschler, S., Nowak, J. B., Shook, M. A., Thornhill, K. L., Voigt, C., Winstead, E. L., and **Sorooshian, A.**: *Subsaturated aerosol hygroscopicity over the northwest Atlantic: Impacts of seasonal factors, offshore location, and clouds*, Atmospheric Environment, 121662, <https://doi.org/10.1016/j.atmosenv.2025.121662>, 2026.

2021-2025

284. Fraser, M., Arellano, A. F., Herckes, P., Robinson, E., and **Sorooshian, A.**: *Feeling the heat: Ground Level Ozone Research (GLOR) ramps up in Maricopa County*. EM Magazine, Air & Waste Management Association, September Issue, 21-25, 2025.
283. Parakkat, L., Hilario, M. R. A., Mirrezaei, M. A., Robinson, E. S., Arellano, A., and **Sorooshian, A.***: *Ozone concentrations and influential variables during heat waves over two desert cities in the Southwest U.S.*, Environmental Research Communications, 7, 125008, [10.1088/2515-7620/ae238d](https://doi.org/10.1088/2515-7620/ae238d), 2025.
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277. Ajayi, T., Mirrezaei, M. A., Arellano, A. F., Robinson, E. S., and **Sorooshian, A.**: *A long-term (2001–2022) examination of surface ozone concentrations in Tucson, Arizona*, Environmental Science: Atmospheres, 5, 1326-1340, [10.1039/D5EA00072F](https://doi.org/10.1039/D5EA00072F), 2025.
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275. DiGangi, J. P., Diskin, G. S., Yoon, S., Alvarez, S. L., Flynn, J. H., Robinson, C. E., Shook, M. A., Thornhill, K. L., Winstead, E. L., Ziemba, L. D., Cambaliza, M. O. L., Simpas, J. B., Hilario, M. R. A., and **Sorooshian, A.**: *Technical note: Apportionment of Southeast Asian biomass burning and urban influence via in situ trace gas enhancement ratios*, Atmospheric Chemistry and Physics, 25, 17387-17397, 10.5194/acp-25-17387-2025, 2025.
274. Betito, G., Crosbie, E. C., Hostetler, C. A., Kirschler, S., Moore, R. H., Shingler, T. J., Shook, M. A., Siu, L. W., Voigt, C., Winstead, E. L., Ziemba, L. D., and **Sorooshian, A.**: *On the physico-chemical differences between cloud droplet residual particles and below-cloud particles over the Northwest Atlantic*, EST Air, <https://doi.org/10.1021/acsestair.5c00150>, 2025.
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272. Preisler, K., Crosbie, E., Hilario, M. R., Betito, G., Braun, R. A., Corral, A., Edwards, E., MacDonald, A., Mardi, A., Shook, M., Stahl, C., Winstead, E., Zeider, K., Ziemba, L., and **Sorooshian, A.**: *Airborne cloud water pH measurements in diverse regions: Statistics and relationships with constituents*, Environmental Science: Atmospheres, 5, 1158-1172, <https://doi.org/10.1039/D5EA00070J>, 2025.
271. Tornow, F., Crosbie, E. C., Fridlind, A. M., Ackerman, A. S., Ziemba, L. D., Elsaesser, G., Cairns, B., Painemal, D., Chellappan, S., Zuidema, P., Voigt, C., Kirschler, S., and **Sorooshian, A.**: *High accumulation mode aerosol concentration and moderate aerosol hygroscopicity limit impacts of recent particle formation on Northwest Atlantic post-frontal clouds*, Geophysical Research Letters, 52, e2025GL116020, <https://doi.org/10.1029/2025GL116020>, 2025.
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266. Butler, K. M., Silva, S. J., **Sorooshian, A.**, Moore, R. H., Diskin, G. S., Nowak, J. B., Ziemba, L., Crosbie, E., Shook, M. A., DiGangi, J., Winstead, E., Robinson, C., and Choi, Y.: *Investigating reduced-dimensional variability in aircraft-observed aerosol–cloud parameters*, Environmental Data Science, 4, e27, 10.1017/eds.2025.17, 2025.

265. Crosbie, E., Hair, J. W., Nehrir, A. R., Ferrare, R. A., Hostetler, C., Shingler, T., Harper, D., Fenn, M., Collins, J., Barton-Grimley, R., Collister, B., Thornhill, K. L., Voigt, C., Kirschler, S., and **Sorooshian, A.**: A method to retrieve mixed-phase cloud vertical structure from airborne lidar, *Atmospheric Measurement Techniques*, 18, 2639-2658, 10.5194/amt-18-2639-2025, 2025.
264. Lorenzo, G. R., Ziemba, L. D., Arellano, A. F., Barth, M. C., Crosbie, E. C., DiGangi, J. P., Diskin, G. S., Ferrare, R., Hilario, M. R. A., Shook, M. A., Tilmes, S., Wang, J., Xiao, Q., Zhang, J., and **Sorooshian, A.**: *Measurement report: Characterization of aerosol hygroscopicity over Southeast Asia during the NASA CAMP²Ex campaign*, *Atmospheric Chemistry and Physics*, 25, 5469-5495, 10.5194/acp-25-5469-2025, 2025.
263. Guo, Y., Mirrezaei, M. A., **Sorooshian, A.**, and Arellano, A. F.: *Source contribution to ozone pollution during June 2021 fire events in Arizona: insights from WRF-Chem-tagged O₃ and CO*, *Atmospheric Chemistry and Physics*, 25, 5591-5616, 10.5194/acp-25-5591-2025, 2025.
262. Tornow, F., Fridlind, A., Tselioudis, G., Cairns, B., Ackerman, A., Chellappan, S., Painemal, D., Zuidema, P., Voigt, C., Kirschler, S., and **Sorooshian, A.**: *Measurement report: A survey of meteorological and cloud properties during ACTIVATE's postfrontal flights and their suitability for Lagrangian case studies*, *Atmospheric Chemistry and Physics*, 25, 5053-5074, 10.5194/acp-25-5053-2025, 2025.
261. Zeider, K., McCauley, K., Dmitrovic, S., Siu, L. W., Choi, Y., Crosbie, E. C., DiGangi, J. P., Diskin, G. S., Kirschler, S., Nowak, J. B., Shook, M. A., Thornhill, K. L., Voigt, C., Winstead, E. L., Ziemba, L. D., Zuidema, P., and **Sorooshian, A.***: *Sensitivity of aerosol and cloud properties to coupling strength of marine boundary layer clouds over the northwest Atlantic*, *Atmospheric Chemistry and Physics*, 25, 2407-2422, 10.5194/acp-25-2407-2025, 2025.
260. Mardi, A. H., Hilario, M. R. A., Hanlon, R., González Martín, C., Schmale, D., **Sorooshian, A.**, and Foroutan, H.: *Assessing conditions favoring the survival of African dust-borne microorganisms during long-range transport across the tropical Atlantic*, *Environmental Science: Atmospheres*, 10.1039/D4EA00093E, 2025.
259. Hilario, M. R. A., Barth, M., Bennett, R., Crosbie, E., DiGangi, J. P., Diskin, G. S., Lorenzo, G. R., Rutledge, S., Martin, M. Y., Ziemba, L., and **Sorooshian, A.***: *Quantifying Scavenging Efficiencies of Different Aerosol Species and Size-Resolved Volume Concentrations in Tropical Convective Clouds over the West Pacific*, *Journal of the Atmospheric Sciences*, 82, 267-282, <https://doi.org/10.1175/JAS-D-24-0064.1>, 2025.
258. Liu, H., Zhang, B., Moore, R. H., Ziemba, L. D., Ferrare, R. A., Choi, H., **Sorooshian, A.**, Painemal, D., Wang, H., Shook, M. A., Scarino, A. J., Hair, J. W., Crosbie, E. C., Fenn, M. A., Shingler, T. J., Hostetler, C. A., Chen, G., Kleb, M. M., Luo, G., Yu, F., Vaughan, M. A., Hu, Y., Diskin, G. S., Nowak, J. B., DiGangi, J. P., Choi, Y., Keller, C. A., and Johnson, M. S.: *Tropospheric aerosols over the western North Atlantic Ocean during the winter and summer deployments of ACTIVATE 2020: life cycle, transport, and distribution*, *Atmospheric Chemistry and Physics*, 25, 2087-2121, 10.5194/acp-25-2087-2025, 2025.
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Non-Refereed Articles

1. **Sorooshian, A.**: *In war-torn Iran, air pollution from burning oil depots and bombed buildings unleashes invisible health threats*. The Conversation, <https://doi.org/10.64628/AAI.d5h63qmmx>, 2026.

Media Interviews

31. *Iran: Israel's Oil Depot Strikes Endanger Environment*. Health. Human Rights Watch. (<https://www.hrw.org/news/2026/04/13/iran-israels-oil-depot-strikes-endanger-environment-health>) – 2026
30. *Arizona is exploring cloud seeding*. AZ Family TV, Live Interview (<https://www.youtube.com/watch?v=WTg9UbZxH5E>) – 2026
29. *From cloud fertilization to stealing clouds: Zoomit's exclusive interview with Dr. Armin Sorooshian*. Zoomit. (<https://www.zoomit.ir/energy-environment/452624-cloud-seeding-drought-iran/>) – 2025
28. *What is cloud seeding and could it end the drought in Iran?*. New Scientist. (<https://www.newscientist.com/article/2504724-what-is-cloud-seeding-and-could-it-end-the-drought-in-iran/>) – 2025
27. *Cloud seeding, chemtrails and conspiracies: Can we really control the weather?*. Arizona Republic. (<https://www.azcentral.com/story/news/local/arizona-environment/2025/08/17/can-cloud-seeding-control-the-weather/85552023007/>) – 2025
26. *The chemistry behind why flash floods are getting worse*. Chemical and Engineering News (C&EN). (<https://cen.acs.org/environment/atmospheric-chemistry/chemistry-behind-flash-floods-getting/103/web/2025/07>) – 2025
25. *What is cloud seeding? Here's what it can—and can't—do to the weather*. National Geographic. (<https://www.nationalgeographic.com/environment/article/cloud-seeding-texas-floods-weather-science>) – 2025

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23. *Cloud seeding might not be as effective as once believed, report reveals.* Phoenix AZFamily. (<https://www.azfamily.com/2025/01/08/cloud-seeding-might-not-be-effective-once-believed-report-reveals/>) – 2025
22. *This UA professor is finding out all he can about lower-altitude ozone and how to avoid it,* National Public Radio – KJZZ in Phoenix, Arizona. (<https://www.kjzz.org/news/2024-06-11/this-ua-professor-is-finding-out-all-he-can-about-lower-altitude-ozone-and-how-to-avoid-it>) – 2024
21. *How much does a cloud weigh?.* Live Science. (<https://www.livescience.com/how-much-does-a-cloud-weigh>) – 2022
20. *‘Not Voodoo’: Wyoming Expands Cloud Seeding Amid Prolonged Drought.* Cowboy State Daily. (<https://cowboystatedaily.com/2022/12/08/not-vooodoo-wyoming-expands-cloud-seeding-amid-prolonged-drought/>) – 2022
19. *Students Learn From NASA Mission In Bermuda,* Bermuda News. (<https://bernews.com/2022/06/nasa-airborne-mission-operations/>) – 2022
18. *NASA scientists love to get their heads in Bermuda’s clouds,* The Royal Gazette (Bermuda), (<https://www.royalgazette.com/environment/news/article/20220623/nasa-scientists-love-to-get-their-heads-in-bermudas-clouds/>) – 2022
17. *NASA Airborne Science Mission Engages with Students in Bermuda,* NASA Langley News. (<https://www.nasa.gov/feature/langley/nasa-airborne-science-mission-engages-with-students-in-bermuda>) – 2022
16. *A BIOS Treasure: The Tudor Hill Marine Atmospheric Observatory,* Currents. (<http://www.bios.edu/currents/a-bios-treasure-the-tudor-hill-marine-atmospheric-observatory>) – 2022
15. *Submarine tracker base now looks to the skies to monitor air,* The Royal Gazette (Bermuda). (<https://www.royalgazette.com/environment/news/article/20220202/submarine-tracker-base-now-looks-to-the-skies-to-monitor-air/>) – 2022
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13. *Cloud-seeding: Are scientists ‘playing God’ or stopping climate-induced droughts?,* The Independent. (<https://www.independent.co.uk/climate-change/news/cloud-seeding-wyoming-climate-change-b2036575.html>) – 2022
12. *Episode 283: Arizona wildfires help researchers study the evolution of clouds,* National Public Radio: Science Friday. (<https://radio.azpm.org/p/radio-azscience/2021/6/11/195807-episode-283-arizona-wildfires-help-researchers-study-the-evolution-of-clouds/>) – 2021
11. *UA Professor Researching Cloud Seeding To Make It Rain,* National Public Radio – KJZZ in Phoenix, Arizona. (<https://kjzz.org/content/1699339/ua-professor-researching-cloud-seeding-make-it-rain>) – 2021
10. *Air and Shield,* NASA Podcast. (<https://www.nasa.gov/mediacast/jpl/season-3-episode-6-air-and-shield>) – 2020
9. *Probing the Hazy Mysteries of Marine Clouds,* NASA TV. (<https://www.nasa.gov/feature/langley/probing-the-hazy-mysteries-of-marine-clouds>) – 2020
8. *UA team developing 3D-printed masks to protect doctors against coronavirus,* National Public Radio. (<https://news.azpm.org/p/news-topical-sci/2020/3/31/168897-ua-team-developing-3d-printed-masks-to-protect-doctors-against-coronavirus/>) – 2020
7. *Science in Seconds,* NASA News, (<https://www.youtube.com/watch?v=B7Ea3BNhyq8&feature=youtu.be>) – 2020

6. *NASA scientists will fly missions from Va. to solve microscopic mysteries of clouds*, Richmond Times Dispatch. (https://richmond.com/news/plus/nasa-scientists-will-fly-missions-from-va-to-solve-microscopic/article_2d833f97-7f2a-5b23-96ec-7784e1b35db3.html#3) – 2020
5. *NASA Embarks on Five U.S. Expeditions Targeting Air, Land and Sea*, NASA TV. (<https://www.nasa.gov/feature/goddard/2019/nasa-embarks-on-us-cross-country-expeditions>) – 2019
4. *Television interview about Dust Storms*, Manoto TV. (<https://www.manototv.com/>) – 2017
3. *UA Professor Studies Aerosols' Effects On Climate*, National Public Radio - KJZZ in Phoenix, Arizona. (<http://kjzz.org/content/423074/ua-professor-studies-aerosols-effects-climate>) – 2017
2. *Episode 86: The Widespread Effects of Tiny Aerosol Particles on Climate and Health*, National Public Radio: Science Friday. (<https://radio.azpm.org/p/radio-azscience/2017/6/29/113286-episode-86-the-widespread-effects-of-tiny-aerosol-particles-on-climate-and-health/>) – 2017
1. *Soberanes Fire creates rare opportunity for atmospheric researcher*, Monterey Herald. (<http://www.montereyherald.com/article/NF/20160729/NEWS/160729599>) – 2016

Invited Oral Talks

93. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Center for Atmospheric and Oceanic Studies (Graduate School of Science), Tohoku University (Sendai, Japan). 1 June 2026.
92. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Institute of Low Temperature Science, Hokkaido University (Sapporo, Japan). 21 May 2026.
91. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Department of Environmental Applied Chemistry, Tokyo Metropolitan University (Tokyo, Japan). 15 May 2026.
90. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. National Institute for Environmental Studies (NIES) (Tsukuba, Japan). 14 May 2026.
89. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. National Institute for Polar Research (NIPR) (Tokyo, Japan). 13 May 2026.
88. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Japan Agency for Marine-Earth Science and Technology (JAMSTEC) (Yokohama, Japan). 12 May 2026.
87. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Meteorological Research Institute (MRI) (Tsukuba, Japan), Japan Meteorological Agency. 11 May 2026.
86. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Nagoya University (Nagoya, Japan), Institute for Space-Earth Environmental Research. 8 May 2026.
85. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Kyushu University (Kyushu, Japan), Research Institute for Applied Mechanics. 28 April 2026.
84. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. University of Tokyo-Hongo (Tokyo, Japan), Department of Earth and Planetary Science. 22 April 2026.
83. **Sorooshian, A.:** *Reflecting on Two Decades of Flying In and Out of Clouds*. Seminar. University of Arizona, Department of Hydrology and Atmospheric Sciences. 25 February 2026.
82. **Sorooshian, A.:** *Reflecting on Two Decades of Flying In and Out of Clouds*. American Meteorological Society Annual Meeting. 26 January 2026.
81. **Sorooshian, A.:** *Preliminary Findings from the GLOR Field Campaign*. Arizona Department of Environmental Quality (ADEQ). 8 January 2026.

80. **Sorooshian, A.:** *Ground Level Ozone Research (GLOR) Field Campaign Summer 2025*. Western States Air Resources Council (WESTAR). 3 December 2025.
79. **Sorooshian, A.:** *Update on Ground Level Ozone Research Preliminary Data*, Pima Association of Governments (PAG). 18 November 2025.
78. **Sorooshian, A.:** *Insights into Trace Gases, Aerosol Particles, and Clouds From Field Work in Diverse Regions*. Seminar. Notre Dame University, Department of Civil and Environmental Engineering. 16 September 2025.
77. **Sorooshian, A.:** *Ground Level Ozone Research (GLOR) Field Campaign Summer 2025*. Association of Air Pollution Control Agencies (AAPCA) Spring Meeting (Phoenix, Arizona). 1 May 2025.
76. **Sorooshian, A.:** *From Extreme Heat to Freezing Temperatures: Recent Findings from Field Work in Diverse Regions*. Seminar. Colorado State University, Department of Atmospheric Science. 7 November 2024.
75. **Sorooshian, A.:** *The Twin Otter Classroom*. California Institute of Technology, Seinfeld 100 Symposium. 27 September 2024.
74. **Sorooshian, A.:** *What's in the Air*. Symposium on the State of the Environment in Iran. Oklahoma State University. 18 April 2024.
73. **Sorooshian, A.:** *Reflections on Airborne Field Investigations of Aerosol-Cloud Interactions*. Seminar. Texas A&M University, Department of Atmospheric Sciences. 21 February 2024.
72. **Sorooshian, A.:** *Confronting the Engineering Grand Challenge of Aerosol-Cloud Interactions*. Seminar. Carnegie Mellon University, Department of Chemical Engineering. 5 December 2023.
71. **Sorooshian, A.:** *A Dive into the NASA ACTIVATE Mission*. Seminar. National Oceanic and Atmospheric Administration, Chemical Sciences Laboratory in Boulder, Colorado). 19 July 2023.
70. **Sorooshian, A.:** *The Uncovered Potential of Using Chemistry to Study the Grand Challenge of Aerosol-Cloud Interactions*. Seminar. Aix-Marseille Université, Laboratoire Chimie Environnement (Marseilles, France). 17 June 2023.
69. **Sorooshian, A.:** *The Uncovered Potential of Using Chemistry to Study the Grand Challenge of Aerosol-Cloud Interactions*. Seminar. l'université Paris-Est Créteil, Laboratoire Inter-universitaire des Systèmes Atmosphériques (LISA) (Paris, France). 14 June 2023.
68. **Sorooshian, A.:** *The Uncovered Potential of Using Chemistry to Study the Grand Challenge of Aerosol-Cloud Interactions*. Seminar. Centre National de Recherches Météorologiques (Toulouse, France). 13 June 2023.
67. **Sorooshian, A.:** *The Uncovered Potential of Using Chemistry to Study the Grand Challenge of Aerosol-Cloud Interactions*. Seminar. Université Clermont Auvergne (Clermont-Ferrand, France). 8 June 2023.
66. **Sorooshian, A.:** *Aerosol Particles - Small Visually but with Tremendous Impacts: Case Studies from the Field*. Seminar. Iowa State University, Department of Geological and Atmospheric Sciences, 25 April 2023.
65. **Sorooshian, A.:** *Aerosol-Cloud Interactions: An Engineering Grand Challenge in the Atmosphere*. Seminar. The Ohio State University, Department of Chemical and Biomolecular Engineering, 3 November 2022.
64. **Sorooshian, A.:** *Facility Update: Navy and ACTIVATE field missions*. Annual University-National Oceanographic Laboratory System (UNOLS) Scientific Committee for Oceanographic Aircraft Research (SCOAR) meeting (Boulder, CO). 4 October 2022.
63. **Sorooshian, A.:** *Making a Name for Themselves: Research into Aerosol Particles*. Seminar. University of Arizona, Department of Environmental Science, 22 August 2022.
62. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE)*. University of Arizona, Earth Dynamics Observatory (EDO) Retreat, 1 April 2022.
61. **Sorooshian, A.:** *Smoke, Ships, Dust, Salt, and Other Features Interacting with Clouds: Findings from Recent Field Campaigns*. Seminar. National Center for Atmospheric Research (NCAR), Earth Observing Laboratory. 7 December 2021.

60. **Sorooshian, A.:** *A Survey of Atmospheric Sciences Research Conducted with Observational Methods Coupled to Machine Learning Tools*. Seminar. University of Arizona, Department of Applied Mathematics, 6 December 2021.
59. **Sorooshian, A.:** *Smoke, Ships, Dust, Salt, and Other Features Interacting with Clouds: Findings from Recent Field Campaigns*. Seminar. University of California, Los Angeles, Department of Ocean and Atmospheric Sciences. 17 November 2021.
58. **Sorooshian, A.:** *Smoke, Ships, Dust, Salt, and Other Features Interacting with Clouds: Findings from Recent Field Campaigns*. Seminar. NASA Goddard Space Flight Center. 20 October 2021.
57. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE)*. Seminar. NASA Atmospheric Observing System (AOS) Application Impact Group. 23 September 2021.
56. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE)*. Seminar. U.S. Climate Variability and Predictability Program (CLIVAR), 18 May 2021.
55. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE): Strategy and First Results*. Airborne Vertical Atmospheric Profiling System (AVAPS) Users Group Meeting. 14 April 2021.
54. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the ATlantic Experiment (ACTIVATE): Concept and First Results*. Mid-Atlantic Regional Air Management Association Annual Workshop. 9 December 2020.
53. **Sorooshian, A.:** *Clouds on the Horizon: An Engineering Grand Challenge in the Atmosphere*. University of Arizona, Provost's Office Faculty Showcase Series. 14 November 2019.
52. **Sorooshian, A.:** *Perspectives on the Agent Responsible for Uncertainties in Climate Change and COVID-19: Aerosol Particles*. Seminar. University of Arizona, Environmental Breakfast Club. 6 November 2020.
51. **Sorooshian, A.:** *Aerosol-Cloud-Precipitation Interactions: Findings from Recent Field Campaigns and Introduction to the NASA ACTIVATE Mission*. Seminar. Harvard University, Department of Atmospheric Chemistry and Environmental Engineering. 1 November 2019.
50. **Sorooshian, A.:** *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE)*. University of Arizona, Earth Dynamics Observatory (EDO) Retreat, 27 March 2019.
49. **Sorooshian, A.:** *Findings from Surface and Airborne Measurements of Particles and Clouds Around the Western United States*. Seminar. University of Arizona, Department of Hydrology and Atmospheric Sciences. 13 September 2018.
48. **Sorooshian, A.:** *Relationships Between Aerosol Particles and Water: Snapshots from Recent Field Studies*. Seminar. University of California, Riverside, Department of Chemical and Environmental Engineering. 8 December 2017.
47. **Sorooshian, A.:** *Recent Findings from Surface and Airborne Measurements of Cloud and Aerosol Properties off the Western United States Coast*. Seminar. U.S. Naval Research Laboratory. 25 August 2017.
46. **Sorooshian, A.:** *Science of E-Cigarettes and Health Implications*. University of Arizona, Regulatory Science Series. 3 February 2017.
45. **Sorooshian, A.:** *A Survey of Findings Related to Aerosol and Stratocumulus Clouds From Recent Field Campaigns*. Georgia Institute of Technology, School of Earth and Atmospheric Sciences. 3 March 2016.
44. **Sorooshian, A.:** *A Multi-Platform Analysis of Pollutant Emissions, Transformations, and Impacts. Nexus of Energy, Water, Climate, and Air Pollution (NEWCAP) Workshop (Beijing, China)*. 22 January 2016.
43. **Sorooshian, A.:** *Climate Change and Air Quality in Iran: A Case Study Analysis for Tehran*. U.S.-Iran Symposium on Climate Change in Iran (National Academy of Sciences, Nice, France). 20 October 2015.

42. **Sorooshian, A.:** *Atmospheric Issues, Including Dispersion, Chemical Changes, Effect of Winds*. U.S.-Iran Symposium on Climate Change: Impacts and Mitigation (National Academy of Sciences, Beckman Center, Irvine, CA). 31 March 2015.
41. **Sorooshian, A.:** *Perspectives on Megacity Sustainability Based on Recent Measurements from the Ground, Airplanes, and Satellites*. 2nd Sino-U.S. Workshop on The Challenges Ahead: Sustainability Issues at the Nexus of Energy, Water, Climate, and Air Pollution (NEWCAP) (Pasadena, CA). 9 September 2014.
40. **Sorooshian, A.:** *A Case Analysis of Air Pollution in Tehran and Considerations for Sustainability/Resilience*. U.S.-Iran Symposium on Resilience (National Academy of Sciences, Beckman Center, Irvine, CA). 16 June 2014.
39. **Sorooshian, A.:** *Proposal to Study Cloud Brightening*, Solar Geoengineering Field Research Scenarios Workshop (Harvard University, Boston, MA). 13 March 2014.
38. **Sorooshian, A.:** *Case Studies of Air Pollution Monitoring in Urban Atmospheres: Los Angeles and Tehran*. U.S.-Iran Symposium on Air Pollution in Megacities (National Academy of Sciences, Beckman Center, Irvine, CA). 3 September 2013.
37. **Sorooshian, A.:** *Chasing Aerosol Particles Down to Nano Sizes*. Seminar. University of Arizona, Semiconductor Research Corporation Engineering Research Center for Environmentally Benign Semiconductor Manufacturing. 13 June 2013.
36. **Sorooshian, A.:** *Aerosol Interactions with Water Vapor and Clouds: Insights from Recent Field Measurements in Continental and Marine Atmospheres*. Seminar. University of Washington, Department of Atmospheric and Climate Science. 19 April 2013.
35. **Sorooshian, A.:** *Recent Results from Aerosol Field Measurements in Arid and Marine Atmospheres*. Seminar. University of Vienna, Faculty of Physics. 10 April 2013.
34. **Sorooshian, A.:** *Measurements of Aerosol Interactions with Water Vapor and Clouds: A View from the Surface and on Planes*. Seminar. University of California, Irvine, Department of Chemistry. 21 November 2012.
33. **Sorooshian, A.:** *New Findings Related to Aerosol-Cloud-Precipitation Interactions: Views from the Surface, on Airplanes, and from Outer Space*. Seminar. Chapman University, Schmid College of Science and Technology. 20 November 2012.
32. **Sorooshian, A.:** *Atmospheric Aerosols: Why We Should Care*. Seminar. University of Arizona, College of Public Health. 3 October 2012.
31. **Sorooshian, A.:** *Deep Convective Clouds and Chemistry Experiment (DC3)*. Seminar. University of Arizona, Department of Atmospheric Sciences. 20 September 2012.
30. **Sorooshian, A.:** *Atmospheric Aerosols: Observations from the Surface, from Airplanes, and from Space*. Seminar. University of Arizona, Department of Soil, Water, and Environmental Science. 10 September 2012.
29. **Sorooshian, A.:** *Perspectives on Aerosol-Precipitation Interactions and Implications for California*. Workshop: Climate Change and California's Water Supply (UC Davis, California). 15 May 2012.
28. **Sorooshian, A.:** *The Nature and Impact of Atmospheric Aerosol Particles: Views from the Ground, on an Airplane, and from Outer Space*. Seminar. Shanghai Jiao Tong University (Shanghai, China). 21 April 2012.
27. **Sorooshian, A.:** *The Nature and Impact of Atmospheric Aerosol Particles: Views from the Ground, on an Airplane, and from Outer Space*. Seminar. Fudan University, Department of Environmental Science & Engineering (Shanghai, China). 19 April 2012.
26. **Sorooshian, A.:** *On the Nature and Impact of Atmospheric Aerosol Particles*. Seminar. University of Arizona, Department of Aerospace and Mechanical Engineering. 2 February 2012.
25. **Sorooshian, A.:** *New Findings Related to Aerosol-Water Interactions: Views from the Ground, on an Airplane and from Outer Space*. Seminar. Arizona State University, School of Sustainable Engineering and the Built Environment. 20 January 2012.

24. **Sorooshian, A.:** *From TIROS to the 2011 E-PEACE Study: Ship Tracks and Warm Clouds*. Keck Institute for Space Studies (KISS) Workshop: Monitoring of Geoengineering Effects and their Natural and Anthropogenic Analogues (Caltech/JPL, California). 16 November 2011.
23. **Sorooshian, A.:** *On the Nature and Impact of Atmospheric Aerosol Particles*. Seminar. Society of American Military Engineers, Arizona Chapter. 27 October 2011.
22. **Sorooshian, A.:** *Aqueous Processing of Organics*. Southern Oxidant and Aerosol Study (SOAS) Planning Workshop (Rutgers University, New Jersey). 26 May 2011.
21. **Sorooshian, A.:** *On the Nature and Impact of Atmospheric Aerosol Particles*. Seminar. Beijing Normal University (Beijing, China). 17 March 2011.
20. **Sorooshian, A.:** *On the Nature and Impact of Atmospheric Aerosol Particles*. Seminar. Institute of Atmospheric Physics, Chinese Academy of Sciences (Beijing, China). 15 March 2011.
19. **Sorooshian, A.:** *Studying Atmospheric Aerosol Particles with a Laboratory in the Sky*. University of Arizona, Honor's College Forum. 9 February 2011.
18. **Sorooshian, A.:** *On the Nature and Impact of Atmospheric Aerosol Particles*. Seminar. Arizona Senior Academy. 9 June 2011.
17. **Sorooshian, A.:** *The Nature and Impact of Atmospheric Aerosol Particles*. Seminar. University of Arizona, Environmental Breakfast Club. 1 April 2011.
16. **Sorooshian, A.:** *A Close Look at Aerosol-Cloud Interactions*. Seminar. University of Arizona, Global and Biogeochemical Cycles Course Series. 7 October 2010.
15. **Sorooshian, A.:** *Atmospheric Aerosols: Why We Should Care*. Seminar. University of Arizona, Department of Agricultural and Biosystems Engineering. 30 August 2010.
14. **Sorooshian, A.:** *A Two Way Street Between Aerosols and Clouds: From SOA Formation to Warm Precipitation Responses*. Telluride Workshop on Aerosol-Cloud Chemistry (Telluride, Colorado). 2 August 2010.
13. **Sorooshian, A.:** *A Multi-Platform Analysis of Aerosol-Cloud-Precipitation Interactions*. Seminar. The City College of New York, NOAA CUNY Remote Sensing Earth System Institute (CREST). 24 June 2010.
12. **Sorooshian, A.:** *A Multi-Platform Analysis of Aerosol-Cloud-Precipitation Interactions*. Seminar. NASA Jet Propulsion Laboratory. 10 June 2010.
11. **Sorooshian, A.:** *Atmospheric Aerosols: Why We Should Care*. Seminar. University of Arizona, Superfund Program Colloquium. 11 February 2010.
10. **Sorooshian, A.:** *Where on Earth does Aerosol Reduce Precipitation?*. Seminar. University of Arizona, Department of Atmospheric Sciences. 12 November 2009.
9. **Sorooshian, A.:** *Imagery and Climate/Environmental Change*. University of Arizona, ADVANCE Data Blitz. 5 November 2009.
8. **Sorooshian, A.:** *Examining Connections between Aerosol, Clouds, and Precipitation*. Atmospheric Chemistry Colloquium for Emerging Senior Scientists (Brookhaven National Laboratory). 21 August 2009.
7. **Sorooshian, A.:** *Connecting Ocean Ecology, Aerosol, and Maritime Clouds: A Multi-Platform Case Study*. NASA Aerosol, Clouds and Ocean Ecosystem (ACE) Workshop (Santa Fe, New Mexico). 5 August 2009.
6. **Sorooshian, A.:** *Where on Earth does Aerosol Reduce Precipitation?*. Seminar. Colorado State University, Department of Atmospheric Science. 24 July 2009.
5. **Sorooshian, A.:** *Where on Earth does Aerosol Reduce Precipitation?*. Seminar. National Oceanic and Atmospheric Administration, Chemical Sciences Division. 17 June 2009.
4. **Sorooshian, A.:** *Aerosols and Climate: A Focus on Aerosol Composition and Hygroscopicity*. Seminar. University of Connecticut, Department of Chemical and Biomolecular Engineering. 3 April 2008.
3. **Sorooshian, A.:** *Aerosols and Climate: A Focus on Aerosol Composition and Hygroscopicity*. Seminar. University of California, Los Angeles, Department of Chemical Engineering. 20 March 2008.
2. **Sorooshian, A.:** *Aerosols and Climate: A Focus on Aerosol Composition and Hygroscopicity*. Seminar. University of Arizona, Department of Chemical and Environmental Engineering. 11 March 2008.

1. **Sorooshian, A.:** *Aerosol Composition and Hygroscopicity Studies: Instrument Development/ Characterization, Ambient and Laboratory Measurements, and Modeling.* Seminar. Purdue University, Department of Earth, Atmospheric, and Planetary Sciences. 18 February 2008.

Conference Oral Presentations with PI or Student/Postdoc as 1st Author

50. **Sorooshian, A.** (2026). *Recent findings about aerosol hygroscopicity and relationships with composition: analysis of data from recent airborne campaigns across marine areas of the northern hemisphere.* Japan Geoscience Union-American Geophysical Union (JpGU/AGU) Joint Meeting, Chiba, Japan.
49. **Sorooshian, A.** (2026). *Perspectives on airborne campaigns in the United States and abroad to study atmospheric processes.* Japan Geoscience Union-American Geophysical Union (JpGU/AGU) Joint Meeting, Chiba, Japan.
48. **Sorooshian, A.** (2026). *Perspectives on aerosol-cloud-precipitation interactions from airborne research over the northwest Atlantic.* Japan Geoscience Union-American Geophysical Union (JpGU/AGU) Joint Meeting, Chiba, Japan.
47. **Sorooshian, A.** (2026). *Reflecting on two decades of flying in and out of clouds.* American Meteorological Society (AMS), Annual Meeting, Houston, Texas.
46. Ajayi, T., Y. Choi, E. C. Crosbie, J. P. DiGangi, G. S. Diskin, S. Kirschler, R. H. Moore, M. A. Shook, K. L. Thornhill, C. Voigt, E. L. Winstead, L. D. Ziemba, **A. Sorooshian** (2026). *On the Weekly Cycle of Aerosol Properties Offshore of the U.S. East Coast: Analysis of ACTIVATE Airborne Data.* American Meteorological Society (AMS), Annual Meeting, Houston, Texas.
45. Soloff, C., S. Kirschler, R. Moore, M. Shook, S. Tang, K. L. Thornhill, C. Voigt, H. Wang, E. Winstead, L. D. Ziemba, **A. Sorooshian** (2024). *CCN Closure Over the Western North Atlantic: Applying Köhler Theory and Machine Learning Techniques to the NASA ACTIVATE Dataset.* American Geophysical Union (AGU), Annual Meeting, Washington, D.C.
44. Hilario, M., Y. Choi, E. C. Crosbie, J. P. DiGangi, G. S. Diskin, M. A. Shook, E. L. Winstead, L. D. Ziemba, **A. Sorooshian** (2024). *A Satellite-Based Method for Quantifying Aerosol Scavenging Relationships With Meteorology During Transport.* American Geophysical Union (AGU), Annual Meeting, Washington, D.C.
43. Namdari, S., T. Ajayi, Y. Choi, E. C. Crosbie, J. P. DiGangi, G. S. Diskin, S. Kirschler, H. Liu, J. B. Nowak, M. A. Shook, C. Soloff, K. L. Thornhill, C. Voigt, E. L. Winstead, B. Zhang, L. D. Ziemba, **A. Sorooshian** (2024). *A Comprehensive Analysis of New Particle Formation Across the Northwest Atlantic: Analysis of ACTIVATE Airborne Data.* American Association for Aerosol Research (AAAR) Annual Conference, Albuquerque, New Mexico.
42. Hilario, M., E. Edwards, C. Soloff, K. Preisler, **A. Sorooshian** (2024). *The Influence of Internal Mixing of Organic Acids and Sea Salt on Size-Resolved Aerosol Refractive Index and Hygroscopicity.* American Association for Aerosol Research (AAAR) Annual Conference, Albuquerque, New Mexico.
41. Lorenzo, G., M. Barth, A. Arellano, E. Crosbie, G. S. Diskin, M. Hilario, S. Tilmes, J. Wang, J. Zhang, L. D. Ziemba, **A. Sorooshian** (2023). *Aerosol Convective Transport in Southeast Asia: Analysis and Evaluation of Aircraft and Modeled Data.* American Meteorological Society (AMS), Annual Meeting, Denver, Colorado.
40. McCauley, K., A. Ackerman, G. Cen, A. F. Corral, E. Crosbie, G. S. Diskin, S. Kirschler, D. Painemal, M. Shook, K. L. Thornhill, C. Voigt, H. Wang, L. D. Ziemba, P. Zuidema, **A. Sorooshian** (2023). *Coupling of Marine Boundary Layer Clouds to the Surface over the Northwest Atlantic and Relationships with Gas and Aerosol Properties.* American Meteorological Society (AMS), Annual Meeting, Denver, Colorado.
39. Hilario, M., M. Barth, E. Crosbie, G. Lorenzo, S. Rutledge, L. Ziemba, **A. Sorooshian** (2023). *Quantifying Scavenging Efficiencies of Aerosol Particles in Tropical Convective Clouds Over The West Pacific.* American Meteorological Society (AMS), Annual Meeting, Denver, Colorado.
38. Hilario, M., P. Bañaga, G. Betito, R. A. Braun, M. Cambaliza, M. Cruz, G. Lorenzo, A. B. MacDonald, P. Pabroa, J. B. Simpas, C. Stahl, J. Yee, **A. Sorooshian** (2022). *Stubborn Aerosol: Why Particulate*

- Mass Concentrations Do Not Drop During the Wet Season in Metro Manila, Philippines*. American Meteorological Society (AMS), Annual Meeting.
37. (Invited) **Sorooshian, A.**, M. Aghdam, P. Banaga, G. Betito, R. Braun, M. Cambaliza, M. M. Coggon, E. Crosbie, M. Cruz, Hossein Dadashazar, Marta Fenn, Richard Ferrare, Richard C. Flagan, Johnathan W. Hair, Miguel R. A. Hilario, Haflidi Jonsson, Genevieve Rose Lorenzo, Alexander B. MacDonald, Ali Hossein Mardi, Richard Moore, David Painemal, Jeffrey Reid, Claire Robinson, Joseph Schlosser, John H. Seinfeld, Taylor Shingler, James Bernard Simpas, Connor Stahl, Snorre Stamnes, Tyler Thorsen, Eddie Winstead, Roy K. Woods, Peng Xian, Luke Ziemba (2021). *Insights into Biomass Burning Aerosol Plumes Using Results from CAMP²Ex, ACTIVATE, and Coastal California Field Campaigns*. American Meteorological Society (AMS), Annual Meeting.
 36. **Sorooshian, A.**, ACTIVATE science team (2021). *The Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment (ACTIVATE): Strategy and First Results*. American Meteorological Society (AMS), Annual Meeting.
 35. J. Schlosser, H. Dadashazar, E. Edwards, A. Mardi, G. Prabhakar, C. Stahl, H. H. Jonsson, **A. Sorooshian** (2020). *Relationships between Supermicrometer Sea Salt Aerosol and Marine Boundary Layer Conditions: Insights from Repeated Identical Flight Patterns*. American Association for Aerosol Research (AAAR) Annual Conference.
 34. G. Lorenzo, R. Braun, L. Ma, E. Edwards, C. Stahl, M. Aghdam, A. F. Corral, H. Dadashazar, P. Bañaga, G. Betito, G. Leung, S. Visaga, M. Cambaliza, M. Cruz, A. B. MacDonald, J. B. Simpás, **A. Sorooshian** (2020). *Fireworks Impacts on Air Quality in Metro Manila, Philippines During the 2019 New Year Revelry*. American Association for Aerosol Research (AAAR) Annual Conference.
 33. Edwards, E., A. F. Corral, H. Dadashazar, A. Barkley, C. Gaston, P. Zuidema, **A. Sorooshian** (2020). *Impact of African Dust, Biomass Burning, and Other Air Mass Types on Cloud Condensation Nuclei Concentrations at a Coastal Location in the Southeastern United States*. American Association for Aerosol Research (AAAR) Annual Conference, Virtual.
 32. Hilario, M., E. Crosbie, M. Shook, J. S. Reid, M. Cambaliza, J. B. Simpás, L. D. Ziemba, J. P. DiGangi, G. S. Diskin, P. Nguyen, J. Turk, E. Winstead, C. E. Robinson, J. Wang, J. Zhang, Y. Wang, S. Yoon, J. Flynn, S. Alvarez, A. Behrangi, **A. Sorooshian** (2020). *Long-Range Transport Patterns into the Tropical Northwest Pacific During the CAMP²EX Aircraft Campaign: Chemical Composition, Size Distributions, and the Impact of Convection*. American Geophysical Union (AGU), Annual Meeting, Virtual.
 31. Edwards, E., J. S. Reid, P. Xian, R. A. Ferrare, C. A. Hostetler, **A. Sorooshian** (2020). *Airborne and Model Data Comparison of Aerosol Optical Properties to Improve Understanding and Forecasting of Aerosol in Southeast Asia*. American Geophysical Union (AGU), Annual Meeting, Virtual.
 30. Moghaddam, M., **A. Sorooshian** (2019). *A Comprehensive Study on the Application of Machine Learning Algorithms for PM_{2.5} Prediction: Feasibility of Transfer Learning*. American Meteorological Society (AMS), Annual Meeting, Phoenix, Arizona.
 29. Mardi, A., H. Dadashazar, A. B. MacDonald, R. A. Braun, E. Crosbie, P. Y. Chuang, H. Jonsson, P. Xian, R. C. Flagan, J. H. Seinfeld, **A. Sorooshian** (2019). *Biomass Burning Plumes in the Vicinity of the California Coast*. American Meteorological Society (AMS), Annual Meeting, Phoenix, Arizona.
 28. (Invited) **Sorooshian, A.** (2019). *Insights into Chemistry-Climate Interactions Based on Measurements In and Around Marine Boundary Layer Clouds*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
 27. Braun, R., A. McComiskey, G. Tselioudis, D. Tropf, **A. Sorooshian** (2019). *Cloud, Aerosol, and Radiative Properties over the Western North Atlantic*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
 26. Braun, R., M. Azadi Aghdam, P. A. Bañaga, G. Betito, M. O. Cambaliza, M. T. Cruz, G. R. Lorenzo, A. B. MacDonald, J. B. Simpás, C. Stahl, **A. Sorooshian** (2018). *Long-Range Transport Mechanisms in East and Southeast Asia and Impacts on Size-Resolved Aerosol Composition: Contrasting High and Low Aerosol Loading Events*. American Association for Aerosol Research (AAAR) Annual Conference, Portland, Oregon.

25. Mardi, A., H. Dadashazar, A. B. MacDonald, R. A. Braun, E. Crosbie, P. Y. Chuang, H. Jonsson, P. Xian, R. C. Flagan, J. H. Seinfeld, **A. Sorooshian** (2018). *A Look into Marine Stratocumulus Clouds: Microphysical Response to Biomass Burning Emissions*. American Geophysical Union (AGU), Annual Meeting, Washington, D.C.
24. Mardi, A., H. Dadashazar, A. MacDonald, R. Braun, Z. Wang, E. Crosbie, P. Chuang, H. Jonsson, P. Lynch, R. Flagan, J. Seinfeld, **A. Sorooshian** (2017). *On the Vertical Nature of Biomass Burning Plumes by the California Coast and Their Relationship with Marine Boundary Layer Clouds*. American Geophysical Union (AGU), Annual Meeting, New Orleans, Louisiana.
23. (Invited) **Sorooshian, A.**, Z. Wang, H. Dadashazar, A. B. MacDonald, E. Crosbie, H. Jonsson, R. C. Flagan, J. H. Seinfeld (2017). *Recent Findings from Airborne Cloud Water Measurements off the Western United States Coast*. American Association for Aerosol Research (AAAR) Annual Conference, Raleigh, North Carolina.
22. Braun, R., H. Dadashazar, A. B. MacDonald, A. M. Aldhaif, L. C. Maudlin, E. Crosbie, M. A. Aghdam, A. Mardi, **A. Sorooshian** (2017). *Impact of Wildfire Emissions on Chloride and Bromide Depletion in Marine Aerosol Particles*. American Association for Aerosol Research (AAAR) Annual Conference, Raleigh, North Carolina.
21. Youn, J., J. Csavina, K. P. Rine, T. Shingler, M. P. Taylor, A. E. Sáez, E. A. Betterton, **A. Sorooshian** (2017). *Hygroscopic Properties and Respiratory System Deposition Behavior of Particulate Matter Emitted By Mining and Smelting Operations*. Asian Aerosol Conference, Jeju, Republic of Korea.
20. **Sorooshian, A.**, H. Dadashazar, Z. Wang, E. Crosbie, M. Brunke, X. Zeng, H. Jonsson, R. K. Woods, R. C. Flagan, J. H. Seinfeld (2017). *Recent Findings Related to Giant Cloud Condensation Nuclei in the Marine Boundary Layer and Impacts on Clouds and Precipitation*. European Geophysical Union Annual Meeting, Vienna, Austria.
19. **Sorooshian, A.**, E. Crosbie, Z. Wang, T. Shingler, G. Prabhakar, L. Maudlin, H. Dadashazar, A. MacDonald, P. Y. Chuang, H. Jonsson, R. K. Woods, R. C. Flagan, J. H. Seinfeld (2016). *Recent Findings Based on Airborne Measurements of Aerosol Particles and Stratocumulus Clouds off the California Coast*. American Institute of Chemical Engineers (AIChE), Fall Meeting, San Francisco, California.
18. (Invited) **Sorooshian, A.**, E. Crosbie, Z. Wang, L. C. Maudlin, H. Jonsson, R. K. Woods, R. C. Flagan, J. H. Seinfeld, D. H. Lopez, M. R. Rabbani (2015). *Case Study Examination of Dust and Smoke Using Observational Data and Models in the Western United States and Middle East*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
17. (Invited) **Sorooshian, A.**, E. Crosbie, Z. Wang, P. Y. Chuang, J. S. Craven, M. M. Coggon, M. Brunke, X. Zeng, H. Jonsson, R. K. Woods, R. C. Flagan, J. H. Seinfeld (2015). *Recent Findings Based on Airborne Measurements at the Interface of Coastal California Clouds and Clear Air*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
16. **Sorooshian, A.**, Z. Wang, G. Feingold, and T. L'Ecuyer (2013). *An Examination of Warm Cloud Collision-Coalescence Characteristics Using NASA A-Train Data*. European Geophysical Union, Annual Meeting, Vienna, Austria.
15. Wonaschütz, A., M. Coggon, **A. Sorooshian**, R. Modini, A. Frossard, L. Ahlm, J. Mülmenstädt, G. C. Roberts, L. M. Russell, S. Dey, F. J. Brechtel, and J. H. Seinfeld (2013). *On the Evolution of Organic Aerosol Water-Uptake in an Aging Plume in the Marine Atmosphere*. European Geophysical Union Annual Meeting, Vienna, Austria.
14. (Invited) **Sorooshian, A.**, Z. Wang, G. Feingold, T. L'Ecuyer, H. H. Jonsson (2013). *Satellite and Aircraft Views of Relationships Between Particles, Cloud Water, and Rain Water*. Goldschmidt Conference, Florence, Italy.
13. **Sorooshian, A.**, Z. Wang, M. M. Coggon, H. H. Jonsson, B. Ervens (2013). *Observations of Sharp Oxalate Reductions in Stratocumulus Clouds at Variable Altitudes: Organic Acid and Metal Measurements During the 2011 E-PEACE Campaign*. American Institute of Chemical Engineers (AIChE), Fall Meeting, San Francisco, California.

12. Wang, Z., **A. Sorooshian**, M. M. Coggon, H. H. Jonsson, B. Ervens (2013). *Observations of Sharp Oxalate Reductions in Stratocumulus Clouds at Variable Altitudes: Organic Acid and Metal Measurements During the 2011 E-PEACE Campaign*. American Association for Aerosol Research, Annual Meeting, Portland, Oregon.
11. **Sorooshian, A.**, and Z. Wang (2012). *Warm Cloud Collision-Coalescence and the Influence Of Aerosol Properties*. American Institute of Chemical Engineers (AIChE), Fall Meeting, Pittsburgh, Pennsylvania.
10. **Sorooshian, A.**, H. Duong, A. Wonaschütz, S. Hersey, J. Craven, A. Metcalf, H. Jonsson, A. Nenes, R. C. Flagan, and J. H. Seinfeld (2011). *On the Nature of Water-Soluble Organic Aerosols in the Southern California Region*. American Institute of Chemical Engineers (AIChE), Fall Meeting, Minneapolis, Minnesota.
9. Wonaschütz, A., **A. Sorooshian**, B. Ervens, P. Chuang, G. Feingold, S. M. Murphy, and H. Jonsson (2011). *Aerosol Redistribution by Shallow Cumulus Clouds: An Investigation Using Airborne Measurements Over Southeastern Texas*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
8. **Sorooshian, A.**, T. J. Shingler, S. Dey, F. J. Brechtel, H. H. Jonsson, A. R. Metcalf, J. S. Craven, M. Coggon, J. J. Lin, A. Nenes, and J. H. Seinfeld (2011). *Physicochemical Characterization of Cloud Drop Residual Particles in Eastern Pacific Marine Stratocumulus: Airborne Measurements Downstream of a Newly-Developed Counterflow Virtual Impactor Inlet During the 2011 E-PEACE Campaign*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
7. **Sorooshian, A.**, G. Feingold, H. Jiang, M. Lebsock, and G. Stephens (2010). *A Multi-Platform Analysis of the Precipitation Susceptibility Of Warm Clouds*. American Meteorological Society (AMS), Cloud Physics and Radiation Meeting, Portland, Oregon.
6. **Sorooshian, A.**, H. Duong, A. Wonaschütz, and Z. Wang (2010). *An Examination of How Biomass Burning Aerosols Affect Clouds Off the Coast of Africa*. American Institute of Chemical Engineers (AIChE), Fall Meeting, Salt Lake City, Utah.
5. **Sorooshian, A.**, A. Wonaschütz, H. Duong, S. Hersey, J. Craven, A. Metcalf, R. C. Flagan, J. H. Seinfeld, H. Jonsson, R. Woods, K. Prather, and A. Nenes (2010). *On the Nature of Water-Soluble Organic Aerosols in the Southern California Region: A Synthesis of Data From Ground-Based and Aircraft Field Studies*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
4. (Invited) **Sorooshian, A.**, S. M. Murphy, S. Hersey, R. Bahreini, H. Jonsson, R. C. Flagan, J. H. Seinfeld (2010). *Constraining the Contribution Of Organic Acids and M/Z 44 to the Organic Aerosol Budget: On The Importance of Meteorology, Aerosol Hygroscopicity, and Region*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
3. (Invited) **Sorooshian, A.** (2009). *Examining Connections Between Aerosol, Clouds, and Precipitation*. Atmospheric Chemistry Colloquium for Emerging Senior Scientists, Brookhaven National Laboratory, Upton, New York.
2. (Invited) **Sorooshian, A.**, G. Feingold, H. Jiang, A. Nenes, G. L. Stephens, R. C. Flagan, and J. H. Seinfeld (2009). *Ocean-Aerosol-Cloud-Precipitation Interactions off The Coast Of California*. American Geophysical Union (AGU), Annual Meeting, San Francisco, California.
1. **Sorooshian, A.**, and G. Feingold (2009). *Precipitation in Warm Clouds and its Susceptibility to Aerosol Perturbations*. Goldschmidt Conference, Davos, Switzerland.

ADVISING RECORD

Current Graduate Students and Postdoctoral Scholars

11. Katherine McDaniel (Senior in Accelerated M.S., Chemical Engineering)
10. Luke Carmick (Senior in Accelerated M.S., Chemical Engineering)
9. Ian Cho (Ph.D. Environmental Engineering)
8. David Lopez (Ph.D., Chemical Engineering)
7. Brooke Beran (Ph.D., Atmospheric Sciences)
6. Kayla Priesler (Ph.D., Atmospheric Sciences)

5. Cassidy Soloff (Ph.D., Atmospheric Sciences)
4. Grace Betito (Ph.D., Atmospheric Sciences)
3. Lakshmi Parakkat (Ph.D., Atmospheric Sciences)
2. Soodabeh Namdari (Postdoctoral Scholar, Chemical Engineering)
1. Naghmeh Soltani (Postdoctoral Scholar, Chemical Engineering)

Completed Graduate Students and Postdoctoral Scholar Supervision (26 Ph.D., 9 M.S., 3 Postdoctoral Scholar/Research Scientist)

38. Taiwo Adedayo Ajayi (Ph.D., Atmospheric Sciences, 2026, accepted to NASA Postdoctoral Program at NASA Langley Research Center)
37. Dare Ayoade (Ph.D., Chemical Engineering, 2026, currently employed at Raytheon)
36. Leong Wai Siu (Research Scientist, Atmospheric Sciences, 2021-2025, currently employed at University of Arizona)
35. Sepideh Shirani (M.S., Environmental Engineering, 2025)
34. Miguel Hilario (Ph.D., Atmospheric Sciences, 2025, currently Research Scientist at University of Wisconsin)
33. Genevieve Lorenzo (Ph.D., Atmospheric Sciences, 2024, currently postdoc at University of Miami)
32. Kira Zeider (Ph.D., Chemical Engineering, 2024, postdoc at U.S. EPA)
31. Sanja Dmitrovic (Ph.D., Optical Sciences, 2024; currently scientist at EO Solutions)
30. Eva-Lou Edwards (Ph.D., Chemical Engineering, 2024; postdoc at NASA Langley Research Center; currently engineer at Huntington Ingalls Newport News Shipbuilding)
29. Meghan Greenslade (M.S., Environmental Engineering, 2024; currently engineering at Intel Corp.)
28. Kayla McCauley (M.S. Atmospheric Sciences, 2023; currently scientist at EPA)
27. Andrea Corral (Assistant Research Scientist, 2019-2022; currently engineer at Blue Origin)
26. Marisa Gonzalez (Ph.D. Chemical Engineering, 2022; postdoc at University of Pretoria, South Africa, 2022-2024; currently at California Air Resources Board)
25. Joseph Schlosser (Ph.D. Chemical Engineering, 2022; postdoc at NASA Langley Research Center, 2022-2025; currently postdoc at Hampton University)
24. Shruti Singh (M.S., Environmental Engineering, 2022; currently engineer at HDR Engineering)
23. Connor Stahl (Ph.D., Chemical Engineering, 2021; currently engineer at Intel Corp.)
22. Ali Hossein Mardi (Ph.D., Environmental Engineering, 2021; currently postdoc at Virginia Tech)
21. Alberto Cuevas-Robles (Ph.D., Environmental Engineering, 2021; currently engineer at Western Technologies Inc.)
20. Abdulmonem Aldhaif (Ph.D., Chemical Engineering, 2021; currently National Center of Meteorology in Saudi Arabia)
19. Mohammad Moghaddam (Ph.D., Hydrology and Atmospheric Sciences, 2020; currently engineer at Bloomberg)
18. Rachel Braun (Ph.D., Chemical Engineering, 2020; currently assistant research professor at Arizona State University)
17. Hossein Dadashazar (Ph.D., Chemical Engineering, 2020; postdoc at University of Arizona, 2020-2022; currently scientist at San Diego Air Pollution Control District)
16. Alexander B. MacDonald (Ph.D., Chemical Engineering, 2020; postdoc at UC-Riverside, 2020-2025; currently at California Air Resources Board)
15. Mojtaba Azadi Aghdam (Ph.D., Chemical Engineering, 2019; currently Senior Engineering Associate at Portland Water)
14. Lin Ma (Ph.D., Chemical Engineering, 2019)
13. David Lopez (M.S., Chemical Engineering, 2019)
12. Colton Skillings (M.S., Chemical Engineering, 2018; currently engineer at Intel Corp.)
11. Zhen Wang (Ph.D., Chemical Engineering, 2017)
10. Ali Khaghani (M.S., Chemical Engineering, 2017)

9. Amber Ortega (Postdoctoral Scholar, 2016; currently at Air Pollution Control Division, Colorado Department of Public Health and Environment, Denver, Colorado)
8. Taylor Shingler (Ph.D., Chemical Engineering, 2016; currently Physical Research Scientist of the Chemistry and Dynamics Branch of NASA Langley Research Center)
7. Ewan Crosbie (Ph.D., Atmospheric Sciences, 2015; Postdoc and Research Scientist at NASA Langley Research Center, 2015-2025; currently at Urban Sky)
6. Jong-Sang Youn (Ph.D., Public Health, 2015; currently Assistant Professor at Catholic University of Korea - Department of Environmental Engineering)
5. Lindsay Maudlin (M.S., Atmospheric Sciences, 2015; currently Assistant Teaching Professor at Iowa State University)
4. Gouri Prabhakar (Ph.D., Atmospheric Sciences, 2014; currently Assistant Professor of Practice at Purdue University)
3. Hanh Duong (Ph.D., Chemical Engineering, 2013)
2. Anna Wonaschütz (Ph.D., Atmospheric Sciences, 2012; currently Subject Specialist at the Austrian Federal Office of Metrology and Surveying)
1. Mr. Elias Jarjour (M.S., Chemical Engineering, 2011; currently in industry)

Undergraduate Students (56 since 2009)

GRANTS (PI: Projects totaling \$37,552,755 with \$10,096,964 directly to UArizona)

SERVICE/OUTREACH

National and International

Editor for Peer-Review Journals

2026-present Reviews of Geophysics

2015-present Atmospheric Chemistry and Physics

Book Editor

Atmospheric Composition Observations, Special Issue Published in *Atmosphere*, edited by **A. Sorooshian**, pp. 322, MDPI, <https://doi.org/10.3390/books978-3-03842-285-3>, 2016.

Reviewer Roles

Reviewer for Numerous Journals (~3 per month)

Reviewers for Proposals

NASA (6 panels)

Environmental Protection Agency (2 panels)

National Science Foundation (1 panel; 15 proposals)

Department of Energy (1 panel)

Department of Homeland Security (1 proposal)

American Chemical Society Petroleum Research Fund (1 proposal)

Natural Sciences and Engineering Research Council of Canada (1 proposal)

Qatar National Research Fund (10 proposals)

Academy of Finland (5 proposals)

German Research Foundation (3 panels)

European Research Council (2 proposals)

Canadian Space Agency (2 proposals)

Israel Science Foundation (1 proposal)

Netherlands Organisation for Scientific Research (1 proposal)

Kuwait Foundation for the Advancement of Sciences (2 proposals)

Swiss National Science Foundation (2 proposals)

City University of New York internal grant competition (1 proposal)

Other

Book Chapters (2)

Textbook (1)

National Academies of Sciences, Engineering, and Medicine Report on Report on the Future Use of NASA Airborne Platforms to Advance Earth Science Priorities (2021)

Committees

2025 Steering Committee for NSF Lower Atmospheric Observing Facilities (LAOF)

2025 Panelist: NASA's PI Launchpad (11 – 14 August, 2025; Mountain View, CA)

2024-present AGU Mentoring Committee

2024 Participant in DOE's "Observing Marine Aerosols & Clouds from Ships" Workshop

2023-2024 Scientific Review Board for the Field Study of a Controlled-Release Sea Salt Aerosol Plume

2021-2024 Scientific Committee for University-National Oceanographic Laboratory System (UNOLS)

2020-2023 AAAR Awards Committee Member (Chair from 2021-2022)

2018-2021 Science Community Cohort (SCC) member for NASA's Aerosols and Cloud-Convection Precipitation (A-CCP) Study

2015-present Advisory Board for Universal Scientific Education and Research Network (USERN)

2012 National Academy of Engineering (NAE) – Symposium Session Co-Chair for NAE Frontiers of Engineering Symposium: Climate Engineering