



**MONTGOMERY PARKS**  
F O U N D A T I O N

January 13, 2026

MEMORANDUM

To: Artie Harris, Chair  
Planning Board Members

Via: Miti Figueredo, Director of Parks *MF*

CC: Darren Flusche, Deputy Director *DF*  
Gary Burnett, Deputy Director *GB*

From: Trish Heffelfinger *TH*  
Board President, Montgomery Parks Foundation

Subject: Montgomery Parks Foundation Board of Trustees – New Member 2026  
Brooks Hanson

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The Montgomery Parks Foundation is pleased to present a new candidate for nomination to the Foundation Board of Trustees. Please find attached his bio. This candidate has been fully vetted and voted on by a quorum of the Montgomery Parks Foundation.

We ask for final approval of this candidate at the next Planning Board Meeting.

Sincerely,

*Trish Heffelfinger*

Trish Heffelfinger  
Board President, Montgomery Parks Foundation

## R. Brooks Hanson

Retired from American Geophysical Union

Phone: [REDACTED]

E-mail: [REDACTED]

[ORCID](#) [LinkedIn](#)

### **PROFESSIONAL EXPERIENCE:**

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American Geophysical Union ([AGU](#)) 2013-2023; retired June 2023

- Executive Vice President, Science, 2018-2023  
*Part of Senior Management Team and overseeing AGU's meetings, publications, open science program, [Thriving Earth Exchange](#), and in part digital development, diversity and inclusion, and other science-related efforts.*
- Senior VP and Director, Publications, 2013-2018  
*Responsible for overseeing AGU's portfolio of many books and ca. 25 journals and their editorial operations, generating ~ \$25 million in revenue, and helping set overall policies, strategy, and future developments. Launched multiple new journals and a preprint server ([ESS Open Archive](#)).*

*Science*, AAAS 1987-2013

- Deputy Editor, Physical Sciences, 1998-2013  
*Responsible for helping set the editorial direction of *Science* and leading the physical science editorial team. Also managed editorial assistants and the copyediting and proofreading departments; 25 total reports. Responsible for co-developing, maintaining and improving the editorial workflow and database and generating performance data.*
- Senior Editor, 1992-1998; Associate Editor, 1987 to 1992
  - *Responsible for handling the peer review, selection, and editing of manuscripts in the Earth sciences, atmospheric sciences, ocean sciences, planetary sciences, paleontology, archeology, anthropology, and science policy. Edited Editorials; Helped create Policy Forum section.*

Department of Mineral Sciences, Smithsonian Inst. 1986 to 1987

- Post-Doctoral Researcher

### **EDUCATION:**

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Ph.D. in Geology, 1986

*University of California Los Angeles*

Bachelor of Science in Geology with Honors, 1981

*Bucknell University*

### **PROFESSIONAL SERVICE:**

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Board member; Dryad 2020-2025; DataOne 2015-2018; ORCID, Outreach Board, 2014 and 2015; CASRAI committee on peer reviewer recognition. Publications Committee, Am. Soc. Microbiology 2023-2025. Member Earthcube digital sustainability task force. Member Joint FORCE11 & COPE Research Data Publishing Ethics Working Group. Member COS working group on updating TOPS. Co-organized and helped create the Coalition on Publishing Data in the Earth and Space Sciences (<https://copdess.org/>). Steering Committee, Enabling FAIR Data Project (<https://copdess.org/enabling-fair-data-project/>).

Treasurer, Mineralogical Society of America, 1996 to 2000. President, Geological Society of Washington, 2005.

PI or co-PI on grants supporting open science and science collaboration from NSF (several), NASA, Arnold Foundation, Sloan Foundation, Kavli Foundation. Led or helped lead advisory reports to NSF and NASA on climate change solutions, geohealth, artificial intelligence and machine learning ethics, community science, and near-surface geophysics.

Student Conservation Corps Volunteer, Olympic National Park, 1981

## **HONORS, MEETINGS and PRESENTATIONS:**

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Commencement Speaker, Old Dominion University, 2007. Presented numerous talks on the future of scientific publishing, ensuring the integrity of the scientific literature, peer-review, publication ethics, DEI and implicit bias, and promoting open scientific data to several groups and organizations, including to universities and departments, many US federal agencies, NASEM committees, and the National Science Board. Lecturer, Mineralogical Society of America (MSA) short course on Contact Metamorphism, 1991.

Have organized and helped organize and plan numerous in-person, hybrid, and virtual meetings of all sizes, including multi-day events with ca. 30,000 attendees. Have facilitated and led many projects and task forces of volunteers. Co-led several strategic plans.

Fellow, Geological Society of America; Fellow, Mineralogical Society of America. Member, American Geophysical Union, Phi Beta Kappa, Geological Society of Washington, American Association for the Advancement of Science.

## **SELECTED RECENT PUBLICATIONS:**

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American Geophysical Union. Ethical Framework Principles for Climate Intervention Research. *ESS Open Archive*, October 17, 2024. DOI: [10.22541/essoar.172917365.53105072/v1](https://doi.org/10.22541/essoar.172917365.53105072/v1)

Hanson B, Stall S, Cutcher-Gershenfeld J, Vrouwenvelder K, Wirz C, Rao YD, Peng G. Garbage in, garbage out: mitigating risks and maximizing benefits of AI in research. *Nature*. 2023 Nov 6 pp 28-31. <https://doi.org/10.1038/d41586-023-03316-8>.

Shelley Stall, Guido Cervone, Caroline Coward, et al. Ethical and Responsible Use of AI/ML in the Earth, Space, and Environmental Sciences. *ESS Open Archive*. April 12, 2023.  
DOI: [10.22541/essoar.168132856.66485758/v1](https://doi.org/10.22541/essoar.168132856.66485758/v1)

Raj Pandya, Elyse L. Aurbach, Kate Burns, et al. Recommendations for an NSF Convergence Accelerator Track on Community Science: A Community Science Report of an NSF-funded Convergence Accelerator Workshop Facilitated by the American Geophysical Union. *ESS Open Archive*. March 01, 2023.  
DOI: [10.22541/essoar.167768122.22544063/v1](https://doi.org/10.22541/essoar.167768122.22544063/v1)

R. Brooks Hanson, Sarah Kruse, Xavier Comas, et al. Defining Research and Teaching Priorities that Could be Advanced Through a Near-Surface Geophysics Center. *ESS Open Archive*. August 03, 2022.  
DOI: [10.1002/essoar.10512087.1](https://doi.org/10.1002/essoar.10512087.1)

Virapongse, Arika; Gallagher, James; Tikoff, Basil; Cornillon, Peter; Koskela, Rebecca; Shingledecker, Susan; Trabant, Chad; Hanson, Brooks (2022). Sustainability models for integrated digital Earth Science. In EarthCube Organization Materials. UC San Diego Library Digital Collections. <https://doi.org/10.6075/J0JH3MBN>

R. Brooks Hanson, Susan Anenberg, Ben Zaitchik, et al., AGU Report to NSF on Accelerating Research and Impacts in GeoHealth. *ESS Open Archive*. April 21, 2022.  
DOI: [10.1002/essoar.10511162.1](https://doi.org/10.1002/essoar.10511162.1)

Wooden, P., & Hanson, B. (2022). Effects of the COVID-19 pandemic on authors and reviewers of American Geophysical Union journals. *Earth and Space Science*, 9, e2021EA002050. (2021) <https://doi.org/10.1029/2021EA002050>

R. Brooks Hanson, Julie Vano, Gordon Grant, et al., Report to NSF on AGU community recommendations and ideas regarding implementing Climate Change Solutions. *ESS Open Archive*. June 08, 2021.  
DOI: [10.1002/essoar.10507256.2](https://doi.org/10.1002/essoar.10507256.2)

Hanson, B., Wooden, P., Lerback, J., Age, Gender, and International Author Networks in the Earth and Space Sciences: Implications for Addressing Implicit Bias (2020) *Earth and Space Science*, <https://doi.org/10.1029/2019EA000930>.

Lerback, J., Hanson, B., Wooden, P., Association between Author Diversity and Acceptance Rates and Citations in Peer-reviewed Earth Science Manuscripts (2020), *Earth and Space Science*, <https://dx.doi.org/10.1029/2019EA000946>

Stall, S., *et al.*, Make Scientific Data FAIR, *Nature* 4 June 2019, DOI: [10.1038/d41586-019-01720-7](https://doi.org/10.1038/d41586-019-01720-7)

M. McNutt, M. Bradford, J. Drazen, R. B. Hanson, B. Howard, K. H. Jamieson, V. Kiermer, M. Margolis, E. Marcus, B.K. Pope, R. Schekman, S. Swaminathan, P. Stang, I. Verma, Transparency In Authors; Contributions and Responsibilities to Promote Integrity In Scientific Publication, *Proc. National Acad. Sci.* March 13, 2018 115(11) 2557-2560; <https://dx.doi.org/10.1073/pnas.1715374115>.

Lerback, J. and Hanson, B., Journals invite too few women to referee, *Nature* **541**, 455–457 (2017). [10.1038/541455a](https://doi.org/10.1038/541455a).

R. Jasny, N. Wigginton, M. McNutt, T. Bubela, S. Buck, R. Cook-Deegan, T. Gardner, B. Hanson, C. Hustad, V. Kiermer, D. Lazer, A. Lupia, A. Manrai, L. McConnell, K. Noonan, E. Phimister, B. Simon, K. Strandburg, Z. Summers, D. Watts, Fostering reproducibility in industry-academia research, *Science* 25 Aug Vol. 357, Issue 6353, pp. 759-761 (2017) [10.1126/science.aan4906](https://doi.org/10.1126/science.aan4906).

Clark, M. P., and R. B. Hanson (2017), The citation impact of hydrology journals, *Water Resour. Res.*, **53**, 4533–4541, doi:10.1002/2017WR021125.

Hanson, B., and J. Lerback (2017), Diversifying the reviewer pool, *Eos*, **98**, [10.1029/2017EO083837](https://doi.org/10.1029/2017EO083837). Published on 04 October 2017.

Marcia McNutt, Kerstin Lehnert, Brooks Hanson, Brian A. Nosek, Aaron M. Ellison, John Leslie King, Liberating field science samples and data, *Science* 351, 1024-1026, 4 March 2016, [science.aad7048](https://doi.org/10.1126/science.aad7048)

Victoria Stodden, Marcia McNutt, David H. Bailey, Ewa Deelman, Yolanda Gil, Brooks Hanson, Michael A. Heroux, John P.A. Ioannidis, Michela Taufer, Enhancing reproducibility for computational methods, *Science* **354**, 1240 (2016). <http://science.sciencemag.org/content/354/6317/1240>

Hanson, B., K. Lehnert, and J. Cutcher-Gershenfeld (2015), Committing to publishing data in the Earth and space sciences, *Eos*, **96**, doi: [10.1029/2015EO022207](https://doi.org/10.1029/2015EO022207).

## Book Chapters

Billy M. Williams, Brooks R. Hanson, Rajul Pandya, “Geoscience–society interface: How to improve dialog and build actions for the benefit of human communities,” Chapter 15 in Silvia Peppoloni, Giuseppe Di Capua (Eds.), *Geoethics for the Future*, Elsevier (2024) Pages 191-206, <https://doi.org/10.1016/B978-0-443-15654-0.00022-0>

Hanson, R. B., “The new landscape of ethics and integrity in scholarly publishing,” in Gunderson, L., Editor, *Scientific Ethics* (AGU/Wiley, Washington, DC, 2017). [10.1002/9781119067825.ch8](https://doi.org/10.1002/9781119067825.ch8)

Other publications are listed in my [ORCID](#) record.

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**Signature:** Gary Burnett

**Email:** gary.burnett@montgomeryparks.org

**Signature:** mf

**Email:** miti.figueroa@montgomeryparks.org

**Signature:** DF

**Email:** darren.flusche@montgomeryparks.org

**Signature:**

**Email:** artie.harris@mncppc-mc.org