

Householder Symposium Sponsorship Prospectus

The XXII Householder Symposium on Numerical Linear Algebra will be held at Cornell University from June 8 – June 13, 2025. A brief history of the Householder meetings and their significance may be found at <https://householder-symposium.github.io/history/>.

Numerical linear algebra plays a central role in a large and growing number of domains, and topics central to the meeting include low/mixed-precision arithmetic, computationally efficient and mathematically grounded ML/AI, building efficient preconditioners, scientific computing, large scale data analysis, high-performance computing, automatic differentiation systems, randomized algorithms, and more. To encourage people to talk about work in progress no proceedings are published, although extended abstracts are circulated, and therefore the meeting provides insight into the forefront of the field. The response of participants and past corporate sponsors has generally been very enthusiastic.

The meeting is only held every three years and participation is by invitation only, though researchers at all career levels are encouraged to apply. In fact, The Householder symposium is unique to the field, and it provides an informal, though intensive, venue for established and junior researchers to share their work. Efforts are made to ensure “mixing” of participants through activities like randomized dinner seating, limiting parallelism, and hosting the venue in a single hotel where all participants stay.

Tiers of sponsorship

As a starting point, we are offering sponsorships at the following levels (non-exclusive):

- **\$5,000:** Display of company insignia on the website/program and name tags, and acknowledgement during the opening/closing remarks. Designation as a sponsor.
- **\$15,000:** All the above, plus attendance by one individual (including a talk or poster, pending approval by the scientific committee). Designation as a gold sponsor.

We are happy to discuss other arrangements at other amounts with commiserate adjustments to the benefits (e.g., branding of specific events, etc.).

How the money will be spent

We are seeking sponsorship to help reduce the cost of attendance for participants (i.e., by lowering registration costs). Note that the conference has a single registration fee for participants that is all inclusive: it covers the hotel room, food, excursion, etc. The only thing not covered by this fee is travel to Ithaca (or a nearby airport).

Logistical details and frequently asked questions:

Fund collection: Finances for the conference are being managed by the Computer Science Department at Cornell University and any sponsorship amounts will be transferred to a Cornell account dedicated to the conference. Account details can be provided upon request.

Unused funds: The conference is designed to be cost neutral, and we do not anticipate significant remaining funds. Any funds that do remain will be used to help fund future meetings.

Commitment to DEI: Participation in the conference is by invitation only, though applicants at all career levels are encouraged to attend. Advertising efforts are made to ensure a diverse set of applicants. The meeting is also designed to enable interactions between junior and established researchers. In particular, the scientific committee pays special consideration to early-career applicants, Ph.D. students, and underrepresented minorities. Roughly 40% of the scientific committee is female (including two recent chairs), and roughly 20-25% of participants are female (including the most recent Householder prize winner). We are working to improve these numbers, and they have been trending slowly upward. As a measure of “youthfulness,” at the 2022 Symposium about one third of the participants had held their PhD for five years or less or were still graduate students.

Inclusiveness: The symposium has policies in place to ensure a welcoming and inclusive environment is maintained. Details are available at <https://householder-symposium.github.io/policies/>.