

Dear all

Just one item this week – an Assistant Professor position at Cornell University in New York.

If you would like something included in this digest please email it to [office@mssanz.org.au](mailto:office@mssanz.org.au)

Kind regards, Karen

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### **Understanding risk and transformation in critical infrastructure systems**

Cornell's School of Civil and Environmental Engineering (CEE) invites applications for a tenure-track faculty position in the area of risk as related to infrastructure and the environment. We are seeking an individual who is innovating the theory and practice of risk, resilience, and sustainability in the face of climate change and the interdependence of our critical infrastructure systems. The successful applicant will be expected to:

- Conduct an internationally recognized and well-funded research program.
- Contribute to fundamental advances in risk analysis as well as in one or more of the following areas: decision making under uncertainty, artificial intelligence, data analytics, and large-scale data assimilation.
- Advance our understanding of the social, physical, and environmental factors influencing adaptive transformations of critical societal infrastructures.
- Innovate the design, operation, and planning of infrastructure systems under uncertainty.
- Foster cross-disciplinary engagements that develop transformative research and education initiatives.
- Design new undergraduate and graduate courses related to risk analysis and its connection to other potential topics such as emerging computational analytics, climate change driven extreme events, or planning for infrastructure transformations.

The position is anticipated to be filled at the Assistant Professor level, although exceptional Associate or Full Professor level candidates are welcome. It is anticipated the successful candidate will begin in August 2022, although alternative arrangements can be made. The candidate will also contribute to undergraduate and graduate teaching in the CEE School. The successful applicant will have the opportunity to interact with faculty and students within the School of Civil and Environmental Engineering, the College of Engineering, and the Cornell Atkinson Center for a Sustainable Future.

Salary and rank will be commensurate with qualifications and experience. Review of applications will begin immediately and will continue until the position is filled.

**To apply: Application materials must be submitted on-line at <https://academicjobsonline.org/ajo/jobs/18245>**

Applicants should submit a curriculum vitae and three brief statements (1-2 pages per statement): (1) a research statement, (2) a teaching statement, and (3) a statement of contributions to diversity. Candidates are encouraged to review Cornell University's guidance for writing diversity statements as well as their evaluation ([here](#)). In addition to the statements, candidates should include a copy of their most significant single publication, and list the full contact information for three references in their application letter.

With our main campus located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and Doha, Qatar, as well as the Cornell

Tech campus located on Roosevelt Island in the heart of New York City. We offer a rich array of services, programs and benefits to help employees advance in their career and enhance the quality of personal life, including employee wellness, workshops, childcare and adoption assistance, parental leave and flexible work options.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

The School of Civil and Environmental Engineering at Cornell embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty and staff of all identities and backgrounds. We strongly encourage individuals from underrepresented identities to apply.