

CPS: Engineering for Society's Greater Good

[GRADUATE ASSISTANTSHIPS in AREAS of NATIONAL NEED \(GAANN\)](#)



Motivation. Our national infrastructure is inadequate to meet our present and future needs – even without strategic adaptation to manage urbanization, climate change, and other stressors. Changing paradigms in infrastructure engineering suggest that we must build smarter **cyber-physical systems (CPSs)** that harness the power of data integrate, are responsive to users' needs, and promote sustainability, resilience, and equity. The work to design these systems will require a new kind of engineering education to support the technical workforce.

Why UVA? Our graduate programs offer close collaboration with preeminent faculty working on cutting-edge research across the full spectrum of civil, systems, and environmental engineering topics. Our small size fosters individualized attention, ample joint advising, and meaningful professional development. UVA is ranked #2 among public universities in the USA, and Charlottesville is consistently ranked among America's top college towns.

We are seeking **eight** PhD-level GAANN fellows!



Previous UVA GAANN fellows. Our program has had three consecutive GAANN traineeships (>25 fellows) since 2016, and we have a proven record of training excellent scholar-teachers.

Benefits to Fellows:

- Guaranteed tuition for up to five years
- Attractive stipend
- Individualized teaching training
- Personalized mentoring and professional development (e.g., travel, field work, etc.)
- Prestigious federally-funded fellowship

Eligible Applicants:

- US citizens or permanent residents seeking PhD
- Excellent academic record
- Plan to pursue research career (academic, govt. labs)
- Women and representatives of traditionally underrepresented minorities are especially encouraged to apply.

For More Information

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