NSF-funded Engineering Research Visioning Alliance

Co-PI Solicitation

Issued July 27, 2022

Funded in 2021 by The National Science Foundation (NSF), the Engineering Research Visioning Alliance (ERVA) seeks a visionary and well-respected researcher to serve in a leadership role by joining the current principal investigators in advancing the initiative’s mission.

Current PI Team

- Principal Investigator (PI) Dorota Grejner-Brzezinska, The Ohio State University, representing the Big Ten Academic Alliance;
- Co-PI Anthony Boccanfuso, UIDP, representing this university-industry membership organization;
- Co-PI Charles Johnson-Bey, Booz Allen Hamilton, representing the industry sector; and
- Co-PI Edl Schamilooglu, University of New Mexico, representing the EPSCoR/IDeA Foundation.

ERVA Mission

To identify and develop bold and transformative new engineering research directions and to catalyze the engineering community's pursuit of innovative, high-impact research that benefits society.

Position Outline

In this position, the co-PI will play a key role as a liaison and ambassador to the engineering research community and help garner engagement for ERVA efforts to provide objective assessments of current engineering research investments and identify future research opportunities that can have the greatest impact.

Position Requirements

- **Research experience** as demonstrated by an earned Ph.D. in an engineering discipline or relevant research experience to meaningfully contribute to advancing ERVA’s mission.
- **Recognized expert.** Possess national status with a career path to achieve recognition as a professional society fellow and potential for membership in the National Academy of Engineering or other relevant recognition (Norman Medal in Civil Engineering, the Draper, Russ, or Gordon prizes, etc.).
Desired Skills/Experience:

- **Mid-career.** A professional with academic, industry, nonprofit, or government lab affiliation.
- **ERVA experience.** Prior or ongoing engagement with ERVA (e.g., Standing Council member; Thematic Task Force member; Working Group member, etc.).
- **NSF/federal agency experience.** Prior record of working with NSF and/or other federal sponsoring agencies, e.g., program officer at NSF, record of externally sponsored research, familiarity with NSF reporting tools, etc.
- **NSF Engineering Directorate knowledge.** Understanding of the NSF Engineering Directorate’s organizational structure, programming goals, and priorities.
- **Professional society affiliation.** Active engagement in professional societies.
- **Leadership experience.** Prior or current record of serving in research and/or administrative leadership role.
- **Excellent communication skills.** Both verbal and written, to support role as ERVA ambassador.

The selected candidate will devote measurable time (at least 1 month/year) to ERVA programs and activities, including leading/coordinating select events/initiatives. Employers of eligible candidates may receive compensation to account for this ERVA commitment.

Any active researcher from academia, industry, national labs, or relevant nonprofits is eligible. ERVA is committed to recruiting a diverse pool of candidates for consideration, and individuals can self-nominate or be nominated (although all nominees must agree to nomination). All applications should include a CV and a brief statement on the individual’s attributes that will make the nominee successful if selected. The candidate applications will be evaluated against the prior mentioned criteria.

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Nominations should be submitted by Monday, August 15, 2022, to receive consideration although nominations will be accepted until the position is filled. Please submit nomination packages to info@uidp.net. Thank you.