Postdoctoral Position at Arizona State University: Bio-inspired Sensing and Control Using Social Insects as Models

The Social Insect Research Group in the School of Life Sciences at Arizona State University (https://sols.asu.edu/research/social-insect-research-group) invites applications for a postdoctoral research position. This position is part of a DARPA-funded investigation of eusocial insects to inspire novel control strategies for heterogeneous swarms. The successful candidate will be responsible for designing and carrying out lab and field experiments on organizational strategies of social insect colonies in foraging, aggression, and other contexts. The project is supervised by Stephen C. Pratt (http://pratt.lab.asu.edu/) in collaboration with engineers at Scientific Systems Company Inc. The successful candidate will also help to coordinate with these collaborators to use experimental results for development of new control policies.

The expected start date is mid-2018 for an initial one-year appointment with renewal for an additional year. Applicants must have a PhD in a related field by the time of appointment. Ideal candidates will have a background in the empirical study of insect behavior. Familiarity with computational modeling of complex systems is desirable but not required. Women and minorities are encouraged to apply.

Applicants should send a cover letter, curriculum vitae, and a statement of research interests to Stephen Pratt (stephen.pratt@asu.edu). They should also arrange to have three letters of recommendation sent to the same address. The priority deadline for applications is May 4th, 2018, but we will continue reviewing applications every week thereafter, until the position is filled. Application materials should be sent in PDF format. Further inquiries should be emailed directly to Stephen Pratt.

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

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