

ARMY RESEARCH OFFICE (ARO)

<https://www.arl.army.mil/who-we-are/aro/>
Probability and Statistics Program

Broad Agency Announcement

[https://www.arl.army.mil/business/
broad-agency-announcements/](https://www.arl.army.mil/business/broad-agency-announcements/)

Basic Research:

... systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind.

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Special Interests:

Near Optimization f : a function of interest. Don't find only $\hat{x} \equiv \arg \max f(x)$. Find $\{x : f(x) \geq f(\hat{x}) - \epsilon\}$

Stochastic Hybrid Systems A system of equations for variables that evolve through time. Some variables evolve continuously (think differential equations); others evolve in jumps (think Markov processes). Either type may evolve stochastically.

anything else special data types, DoE, ...