

Postdoctoral Fellowship in Physics Inspired Approaches to Artificial Intelligence

The postdoc is at the IID Center at Duke University. We are seeking an exceptional researcher to work with Vahid Tarokh at the [Information Initiative at Duke](#) on **Physics Inspired Approaches to Artificial Intelligence**. Applicants are expected to hold a Ph.D. degree in EE, Math, Stat, Physics or a closely related field. We are seeking mathematically sophisticated and intellectually curious researchers at an early stage of their scholarly careers.

The successful candidate will have a background and familiarity with probabilistic techniques and applications. Knowledge of free probability theory and random matrix theory is highly desired. This effort is funded by a generous grant from DARPA. The original appointment period is for one year, but may be extended for up to 2 years. Position can begin as early as Oct. 1, 2018.

Applicants are asked to submit (a) cover letter; (b) a vitae; and (c) a research statement describing current and past research to Ms. Kathy Peterson (Kathy.Petersen@duke.edu). The applicant should request at least three letters of recommendation, but no more than five. These letters should be directly sent to Ms. Kathy Peterson (Kathy.Petersen@duke.edu).

Applicants are encouraged to submit all of their materials electronically at this site. Applicants who do not have internet access may mail their materials to: Appointments Committee
Department of Mathematics, Box 90320, Duke University Durham, NC 27708-- 0320.

Applications received by **Oct. 30, 2018** will be guaranteed full consideration; early application is advisable. Duke University seeks to build a diverse faculty: women and under-represented minorities are encouraged to apply.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, genetic information, gender, gender identity, national origin, race, religion, sexual orientation, or veteran status.

Postdoctoral Fellowship in Non-Commutative Information Theory and Processing

The postdoc is at the IID Center at Duke University. We are seeking an exceptional researcher to work with Vahid Tarokh at the [Information Initiative at Duke](#) on **Non-Commutative Information Theory and Processing**. Applicants are expected to hold a Ph.D. degree in EE, Math, Stat, Physics or a closely related field. We are seeking mathematically sophisticated and intellectually curious researchers at an early stage of their scholarly careers.

The successful candidate will have a background and familiarity with probabilistic techniques and applications. Knowledge of free probability theory and random matrix theory is highly desired. This effort is funded by a generous grant from DARPA. The original appointment period is for one year, but may be extended for up to 2 years. Position can begin as early as Jan 1, 2019.

Applicants are asked to submit (a) cover letter; (b) a vitae; and (c) a research statement describing current and past research to Ms. Kathy Peterson (Kathy.Petersen@duke.edu). The applicant should request at least three letters of recommendation, but no more than five. These letters should be directly sent to Ms. Kathy Peterson (Kathy.Petersen@duke.edu).

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