

# AMS Standard Cover Sheet

This cover sheet is provided as an aid to departments in processing job applications. It should be included with your other application material. Please print or type. Do not send this form to the AMS.

Last (Family) Name: Alexander

First Name or Initial: Francis

Middle Name or Initial: J

Address through next June:

840 Kristi Lane

Los Alamos, NM 87544

Home Phone

(505) 661-7393

e-mail address

fja@lanl.gov

Current Institutional Affiliation

Los Alamos National Laboratory

Work Phone

(505) 665-4518

Highest Degree held or expected PhD, Physics

Granting Institution Rutgers, The State University of New Jersey

Date (optional) 1991

Ph.D. Advisor: Joel L. Lebowitz

Ph.D. Thesis Title (optional)

Indicate the mathematical subject areas in which you have done research using, if applicable, the Mathematics Subject Classification. If listing more than one number, list first the one number which best describes your current primary interest.

Primary Interest Partial differential equations

Secondary Interests (optional) Fluid mechanics

Give a very brief synopsis of your current research interests in the box below (e.g. finite group actions on four-manifolds). Avoid special mathematical symbols.

*My current research interests include multiscale mathematics, optimal estimation, inverse problems, computational physics, statistical mechanics, and machine learning.*

Most recent position held, if any, post Ph.D.

University or Company Los Alamos National Laboratory

Position Title Deputy Group Leader

Dates 2002-Present

Indicate the position for which you are applying and position posting code, if applicable

If applying for a position which requires U.S. citizenship or U.S. permanent residency, indicate your eligibility.

☒ Yes ☐ No

If unsuccessful for this position, would you like to be considered for a temporary position?

☐ Yes ☒ No If yes, please check the appropriate boxes.

☐ Postdoctoral Position ☐ 2+ Year Position ☐ 1 Year Position

List the names and affiliations of up to four individuals who will provide letters of recommendation if asked.

Mark the box provided for each individual whom you have already asked to send a letter.

☒ 1. Joel L Lebowitz, Rutgers University, lebowitz@math.rutgers.edu

☒ 2. Sanjoy K. Mitter, MIT, mitter@mit.edu

☒ 3. William Klein, Boston University, klein@buphy.bu.edu

☒ 4. Yannis G. Kevrekidis, Princeton University, yannis@princeton.edu