Research Position in Magnetic Bearings / FEM

We have an immediate opening for a post-doctoral fellow or a visiting professor to participate in the theoretical analysis of a new concept of magnetic bearings. The candidate must have a strong background in the fields of finite element methods and rotor dynamics. Knowledge of COMSOL is a plus. Duties include research, development, and preparation of papers and reports for an exciting and dynamic multi-disciplinary project. The candidate should have excellent problem solving skills as well as good oral and written communication skills, and must be willing to work closely with faculty and students. You will be joining Dr. Nataraj’s research team of two postdocs and seven graduate students.

Necessary attributes

Ph. D. in Mechanical Engineering or related discipline with strong analytical skills. Interest, adaptability and ability to learn new disciplines.

Duration

The project is currently funded by the Office of Naval Research for a year; however, we do expect further extensions. Salary is competitive, and health and dental benefits will be provided.

Villanova University

Founded in 1842, Villanova is an independent coeducational university focusing on academic excellence; it is located in the Philadelphia suburbs. Its undergraduate programs have been ranked in the top ten in the country for the past 16 years. CENDAC, an interdisciplinary center in the College of Engineering focuses on applying advanced nonlinear theoretical, numerical and experimental techniques to solve practical real-world problems. CENDAC’s current research expenditure exceeds $2.3M/year.

For more information, or to apply, please contact the following.

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