

Research Associate in the Division of Science [Mathematics] - Dr. Nader Masmoudi

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Company: NYU Abu Dhabi

Location: Abu Dhabi

Category: healthcare-practitioners-and-technical

Description

The Division of Science, Mathematics department at New York University Abu Dhabi is inviting applications for fully-funded research associate position in the following areas:
Stability of 2D/3D crowd motion and multi-level building evacuation using mean-field-type games.

Stability of singularity formation in fluid systems.

Nonlinear instabilities and transition thresholds in Couette flow

Wave turbulence

Stability in geophysical fluids and plasmas physics

Applicants must hold a in Applied Mathematics, Physics/Mechanical Engineering with demonstrated expertise in the area of Computational Fluid Dynamics and stability analysis. At least 5 years of post research experience in the field is required. PhD holders with a strong publication record, a background in computational fluid dynamics, laminar to turbulence transition, and vortex dynamics are encouraged to apply. Experience in high-performance computing is required.

The terms of employment are very competitive and include housing and educational subsidies for children.

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