Post-Doctoral Associate/Research Scientist Positions In Traffic Flow Theory
Division of Engineering
NYU Abu Dhabi

The Division of Engineering at New York University Abu Dhabi (NYUAD) is inviting applications for a multi-year fully funded Post-Doctoral Associate position. Highly qualified candidates may also be considered for a Research Scientist position.

The terms of the position are highly attractive: competitive salary, flexible working environment, annual home-leave travel allowance, generous housing and relocation benefits, and educational subsidies for children.

A qualified applicant must possess the following:
• A PhD in engineering, physics, applied mathematics, statistics, or related field (backgrounds in computational physics are particularly encouraged to apply).
• Demonstrable knowledge in statistics, (linear and convex) optimization, and at least one of the following areas:
  ▪ statistical mechanics,
  ▪ computational fluid dynamics (CFD),
  ▪ dynamic programming and optimal control,
  ▪ numerical methods for solving systems of differential equations (both ordinary and partial),
  ▪ statistical tools for large datasets.
• Hands-on experience in computer programming using one or more of the following tools: Matlab, Python, C/C++/C\#, and Java. Experience with Mathematica, Maple, and/or R is a plus.

In addition to the above, the following are desirable qualifications:
• experience with visualization tools for dynamical systems (e.g., CFD visualization tools),
• experience with geospatial analysis, and
• experience with traffic simulation tools (both developing new simulation tools and customizing commercial tools).

Please visit our website at http://nyuad.nyu.edu/en/about/careers/faculty-positions.html for instructions and other information on how to apply. To be considered, all applicants must submit a cover letter, curriculum vitae with full publication list, statement of research interests, one or two representative publications, and contact information for two references. If you have any questions, please e-mail Dr. Saif Jabari at sej7@nyu.edu.

About NYUAD:
New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complemented by a network of over eleven research and study-away sites across five continents. Faculty and students will circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems, both local and global.

Entering its seventh year, NYU Abu Dhabi has recruited a cohort of faculty who are at once distinguished in their research and teaching. Our students are drawn from around the world and surpass all traditional
recruitment benchmarks, both US and global. NYU Abu Dhabi’s highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer