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HPC Computational Scientist in the The Center for Research Computing - Dr.

Muataz Al Barwani

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Company: New York University Abu Dhabi

Location: Abu Dhabi

Category: healthcare-practitioners-and-technical

The Center for Research Computing, New York University Abu Dhabi, seeks to recruit a High-Performance Computing (HPC) Computational Scientist to work closely and collaborate with faculty and researchers on their computational research as well as conduct their research projects in the field of HPC that would benefit NYUAD.

The successful applicant will collaborate with faculty and research centers on key computational projects, including application and algorithm development, establishing data analysis pipelines, and developing novel ideas, techniques, and tools. They will support researchers and faculty with their coding and algorithm development. They will monitor and enhance key applications to ensure maximum performance and system utilization and develop and maintain a testing environment to collaborate with key technology partners (Technology Watch). Collaborate with peer Research Computing/HPC centers and Research Computing/HPC vendors, keeping track of new techniques and technologies that could benefit NYUAD. The candidate will work in a multidisciplinary environment with PhD-level scientists and graduate and undergraduate students.

Applicants must have a Ph.D. or equivalent (i.e., M.Sc. with an additional 5 years of experience) in computer science, engineering, or a relevant/related field. Excellent Relevant experience with programming in multiple modern languages (such as Fortran, C, C), Shell scripting (bash, etc.), the use of parallel libraries (MPI, OpenMP) and parallel processing

(problem decomposition work distribution), and relevant experience in building, optimizing, and testing Large-scale parallel application software (WRF, ROMS, etc.). Relevant experience in optimizing and scaling large-scale parallel scientific applications, as well as relevant experience in software development methods and software productization methods, are required.

For consideration, applicants must submit a cover letter, curriculum vitae with a full publication list, patents and/or significant computational development projects they have worked on, and three letters of reference, all in PDF format. If you have any questions, please email Dr. Muataz Al Barwani at [HIDDEN TEXT]

The terms of employment are very competitive and include housing and educational subsidies for children. Applications will be accepted immediately, and candidates will be considered until the position is filled.

About NYUAD

NYU Abu Dhabi is a degree-granting research university with a fully integrated liberal arts and science undergraduate program in the Arts, Sciences, Social Sciences, Humanities, and Engineering. NYU Abu Dhabi, NYU New York, and NYU Shanghai, form the backbone of NYU's global network university, an interconnected network of portal campuses and academic centers across six continents that enable seamless international mobility of students and faculty in their pursuit of academic and scholarly activity. This global university represents a transformative shift in higher education, one in which the intellectual and creative endeavors of academia are shaped and examined through an international and multicultural perspective. As a major intellectual hub at the crossroads of the Arab world, NYUAD serves as a center for scholarly thought, advanced research, knowledge creation, and sharing, through its academic, research, and creative activities.

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

UAE Nationals are encouraged to apply

Equal Employment Opportunity Statement

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NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

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