

Memorial University, Department of Mathematics and Statistics
Postdoctoral Research Positions in Numerical Analysis and Scientific Computing

The Department of Mathematics and Statistics at the Memorial University of Newfoundland invites applications for multiple postdoctoral research positions within the Memorial University of Newfoundland Centre for Numerical Analysis and Scientific Computing. The successful candidates will work under the supervision of Drs. Alexander Bihlo, Ronald Haynes, and Scott MacLachlan, with research focus areas of

1. linear and nonlinear solvers, including multigrid and domain decomposition methods,
2. geometric numerical integration and time-stepping algorithms, or
3. space-time adaptive methods for PDEs,

with possible applications in atmospheric, ocean, and Earth sciences, and in complex fluid and solid mechanics. Duties may include development and analysis of algorithms for simulation, their implementation in a high-performance computing environment, and manuscript preparation.

Desired, but flexible, start dates of either May 1, 2018 or September 1, 2018 are expected.

The initial positions will be for one year, with possibility of renewal up to three years, subject to funding and performance. Opportunities for teaching may be available, if desired by the successful candidates. The minimum annual salary is \$40K, but will be commensurate with qualifications and experience. A PhD and relevant expertise in numerical analysis, scientific computing, or high-performance computing is expected. Previous interdisciplinary project experience is a plus. Interested applicants should send a cover letter, detailed CV, and names and email addresses of three references directly to cnasc@mun.ca. Review of applications will begin on March 15, 2018, and continue until the positions are filled.

Memorial University is one of the two largest universities in Atlantic Canada. As the province's only university, Memorial plays an integral role in the educational and cultural life of Newfoundland and Labrador. Offering diverse undergraduate and graduate programs to almost 18,000 students, Memorial provides a distinctive and stimulating environment for learning in St. John's, a very safe, friendly city with great historic charm, a vibrant cultural life, and easy access to a wide range of outdoor activities.

Memorial University is committed to employment equity and encourages applications from qualified women and men, visible minorities, aboriginal people and persons with disabilities. All qualified candidates are encouraged to apply; however Canadian citizens and permanent residents will be given priority. Partners of candidates for positions are invited to include their resume for possible matching with other job opportunities.