SCALE AI Research Chair in Artificial Intelligence and Logistics

The Faculty of Computer Science and Department of Industrial Engineering at Dalhousie University, in partnership with the SCALE AI Research Supercluster, invite applications for a tenure-stream or tenured Chair position in Artificial Intelligence and Logistics. Exceptional candidates at any career stage are encouraged to apply. The applicant should have research strength in artificial intelligence / machine learning, with areas of application including but not limited to hyperconnected logistics, sustainable supply-chain management and real-time tracking in the context of Industry 4.0, large-scale optimization, inventory, port logistics, and autonomous shipping/transportation. Candidates whose research focuses or touches on the ocean are especially encouraged to apply.

The Chair position will include a salary and research funding package of approximately $1M for an early-career researcher, or $2M for an established researcher at the full Professor rank; dedicated research space; reduced teaching commitments; subsidies for research trainees; access to the DeepSense computing platform; and an industry ecosystem that includes the Centre for Ocean Ventures & Entrepreneurship and the Ocean Supercluster. The appointee will be expected to develop and apply cutting-edge tools in Artificial Intelligence, Deep Learning, Operations Research, Supply Chain Management and related areas including computer vision, networking, and smart factories to solve problems of significant economic, environmental, and societal importance in collaboration with industry partners. They will be expected to liaise with the business community and partners and advance the goals outlined in the Scale AI strategic plan. They will be expected to secure additional external research funds, teach and supervise undergraduate and graduate students and other research personnel, and publish in high-impact, peer-reviewed journals and conferences.

Dalhousie University is committed to fostering a collegial culture grounds in diversity and inclusiveness. The university encourages applications from Indigenous persons, persons with a disability, racially visible persons, women, persons of a minority sexual orientations and/or gender identity, and all candidates who would contribute to the diversity of our community. For more information, please visit https://www.dal.ca/hiringfordiversity.

Dalhousie University is located in Halifax, Nova Scotia (http://www.discoverhalifaxns.com), which is the largest city in Atlantic Canada and second-fastest growing city in Canada in 2020. Record immigration levels and an international student body are contributing to a rapid increase in cultural diversity. Halifax affords its residents a high quality of life with affordable housing and daycare costs, shorter commuting times, and a splendid natural environment relative to many cities in Canada. Dalhousie University is a leading academic and research institution in Atlantic Canada and a member of the U15 research-intensive universities in Canada.

The Faculty of Computer Science is a rapidly growing, research-intensive unit that currently comprises over 35 full-time research faculty including two Tier I CRCs, two Tier II CRCs, a CIFAR AI chair, and many cross-appointments and adjunct faculty members. We are a fast-growing Faculty in the university, with almost 2000 students, one third of whom are graduate students at the Master's or Doctoral level. The Faculty offers research-intensive and applied training at the undergraduate, Master's, PhD, and postdoctoral levels, including the new Master of Digital Innovation program. The Faculty hosts the Dalhousie Institute for Big Data Analytics, which has academic and industry partnerships centered on deep learning and artificial intelligence, and DeepSense, a platform that provides computing infrastructure and support for industry-partnered research that focuses on the oceans.

The Department of Industrial Engineering is home to 13 faculty members, over 200 undergraduate and 70 graduate students. The Department supports a rich research environment organized into three main clusters: Sustainable Production, Analytics and Remanufacturing Exploration (SPARX); Maritime Risk and Safety (MARS); and Health Care Operations Research (HCOR). Key research areas include sustainable supply chain management, data analytics, acute stroke treatment & emergency services logistics, blood services optimization, and maritime risk management & logistics. Our research is interdisciplinary in nature and we are well linked with other faculties, universities, and industry.

The successful candidate will be an outstanding scholar who holds a PhD in Computer Science, Industrial Engineering, Management Science or other relevant area by the appointment date. Evidence of high research impact relative to career stage including peer-reviewed publications, knowledge translation/transfer, teaching excellence, and leadership is essential. Being a registered Professional Engineer in Canada, or eligible and committed to registration in Nova Scotia http://www.engineersnovascotia.ca, is considered an asset.

Review of applications will begin March 31st, 2021 and will continue until the position is filled. A complete application will include a cover letter, curriculum vitae, statements of research and teaching interests, sample publications, and the names, email addresses and physical addresses of three referees. Candidates should also be prepared to have their referees forward their letters of reference upon request.
The appointment is expected to commence in September 2021 or earlier depending on the appointee's availability.

All application materials must be submitted via PeopleAdmin: http://dal.peopleadmin.ca/postings/5350

Links:
	Dalhousie Faculty of Computer Science: https://www.dal.ca/faculty/computerscience.html

	Scale AI strategic plan: https://www.scaleai.ca/about-us/publications/

	DeepSense: https://deepsense.ca/

	Canada's Ocean SuperCluster: https://oceansupercluster.ca/

	Centre for Ocean Ventures & Entrepreneurship: https://coveocean.com/

 Application Review Date:		**03/31/2021**

 Quick Link for Application Submission: **http://dal.peopleadmin.ca/postings/5350**