Applications for Sessional Instructor

**ENSC 416 – Spring 2023 (January 4, 2023 - April 24, 2023)**

**Deadline: Monday, November 28, 2022 EOD**

**Campus: Burnaby**

The School of Engineering Science is now accepting applications for the position of Sessional Instructor for Engineering Science 416, Engineering Electromagnetics II: Design, for the Spring 2023 Semester.

**Qualifications:**
- P.Eng or P.Eng-L required
- Post-doctoral fellow, Ph.D. graduate or senior doctoral student in Engineering or Physics.
- Expertise in solving linear systems of vector PDEs, specifically hyperbolic systems with wave solutions.
- Knowledge of the derivation and application of Poynting's theorem, phasor representations, plane wave solutions to Maxwell’s equations, and the Telegrapher’s equations.
- Expertise in the analysis of transmission lines, both steady-state and transient solutions, including the mathematical foundation of, and application of Smith charts.
- Knowledge of the derivation and application of solutions to guided wave systems and radiating wave systems.
- Familiar with general electromagnetic concepts such as potentials and impedance, (wave, line, medium vs circuit electrical impedance.)
- Experience with electromagnetic solvers such as Axiem, Analyst 3D, CST, Sonnet, and/or Ansys HFSS would be an asset.

Selections will be done based on qualifications and in accordance to Article 14.E.2. of the SFU/TSSU Collective Agreement. Where candidates have equal qualifications and seniority, preference will be given to candidates who have taught ENSC 416 at the university level in the past.

**Deadline:** Monday, November 28, 2022. Please send by fax or email your application for this position, along with a copy of your current CV, to:

Dr. Atousa Hajshirmohammadi, Associate Director  
School of Engineering Science  
Simon Fraser University  
Burnaby BC V5A 1S6  
Email: enscadr@sfu.ca  
Fax: 778-782-4951

*The University is committed to the principle of equity in employment*

The information submitted with your application is collected under the authority of the University Act (R.S.B.C. 1996, c.468, s. 27(4)(a)), applicable federal and provincial employment regulations and requirements, the University’s non-academic employment policies and applicable collective agreements.

The information is related directly to and needed by the University to initiate the employment application process. The information will be used to contact references supplied by you, evaluate your qualifications and complete the employment process by making a hiring decision. Applicant information may also be disclosed to the Teaching Support Staff Union in accordance with Article XIII F.3.1.a (iv) of the Collective Agreement.

If you have any questions about the collection, use and disclosure of this information please contact the Associate VP, Human Resources, Simon Fraser University, Burnaby, BC V5A 1S6. Telephone 778-782-3237.

Distribution: ENSC Grad students, ENSC Faculty, Human Resources, Dean of Applied Sciences, TSSU