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CCPE - ENCON SCHOLARSHIP

During her eight years of experience as a structural and materials engineering consultant, CCPE-ENCON scholarship recipient, Lisa Feldman, P.Eng., has worked on some exciting pan-Canadian projects, including the Confederation Bridge design, the restoration of Old City Hall in Calgary, and the Calgary Centre Street Bridge Rehabilitation Project.

A member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta and Professional Engineers Ontario, Lisa is currently pursuing a PhD in civil engineering at the University of Western Ontario.

Lisa is focusing her research on two elements of emergency preparedness in bridge structures. The first part of her research looks at evaluating bridges posted for emergency vehicle loading. This involves developing methods for analyzing concrete bridges that are undergoing rehabilitation, while still enabling emergency vehicles to travel across.

The second part of her work focuses on analyzing the bond between plain steel reinforcing bars and the surrounding concrete. This work will help lead to the development of an evaluation and rehabilitation design procedure for current bridge codes.

Secretary of the Rehabilitation Sub-committee of the Canadian Highway Bridge Design Code, Lisa hopes that her work will one day be included in the Code.

Upon completion of her PhD, Lisa hopes to pass on her scholastic and industry-related knowledge by becoming a university professor and educating the next generation of Canada's engineers.

