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## SUSTAINABILITY AND THE SEMINAR SERIES ALTERNATIVE FUELS IN TRANSPORTATION

**Date:** Tuesday, March 13, 2007  
**Time:** 3:30 p.m.  
**Location:** 1457 London Road, Sarnia, Ontario, N7S 6K4  
**Room:** N105  
**Cost:** Free

### AGENDA

- 3:30 p.m.** Introduction to Sustainability and IEEE  
**Maïke Luiken, PhD, Chair, IEEE London Section,**  
Dean, School of Technology, Applied Science and Apprenticeship  
and School of Fire Sciences, Lambton College
- 3:40 p.m.** **Keynote Speaker: Shahram Karimi**  
Cofounder, Platinux Corporation  
Coordinator and Professor,  
Alternative Energy Engineering Technology Program,  
Lambton College
- 4:30 p.m.** Questions and Answers and General Discussion



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## ABSTRACT:

The realization of dwindling fossil fuel supplies and their adverse environmental impacts has accelerated research and development activities in the domain of renewable energy sources and technologies. Global energy demand is expected to rise during the next few decades, and the majority of today's energy is based on fossil fuels. Alternative energy sources and technologies can play a vital role in lowering or eliminating our reliance on fossil fuels. However, such a transition will require a large investment and will not be reversible.

The benefits of hydrogen and other liquid fuels as transportation fuels are not marginal, but the real urgency in greenhouse gas reductions and fossil fuel replacement should not be translated into an energy infrastructure based on unsustainable sources in the long run. It is wise to examine each option thoroughly and objectively now and discard those with little potential so our focus and effort may be placed elsewhere.

## SPEAKER BIO:

**Prof. Shahram Karimi** - co-coordinator of the Alternative Energy Engineering Technology Program at Lambton College in Sarnia. He is a cofounder of Platinux Corporation, a fuel cell company conducting research on various aspects of proton exchange membrane fuel cells.