

Speaking of Engineering...

Have you ever wondered...



About rapid prototyping and how it impacts your everyday life?

Professor Andy Fisher, B.Sc.; M.Eng.

Can you imagine a machine that can make any shape you ask for? Maybe it could even make all the parts necessary to make another machine like itself! Rapid prototyping technology is maturing and starting to make its way into everyday life as well as impacting the way engineers design products and communicate concepts. Memorial's Faculty of Engineering and Applied Science has been using this technology for over 10 years, both in its programs and in support of local industry.

Join Professor Andy Fisher, who works in the area of design and product realization, as he demonstrates and explores this potentially transformative technology. Freeform fabrication or 'rapid prototyping' has been used locally to help in the development of products as diverse as guitars, satellite communications hardware, soap molds, winches and underground salt caverns. Will this technology make it into your home or garage soon? You can be sure that the future will see many more applications for these machines that appear to be right off the Enterprise!

Professor Fisher graduated from mechanical engineering at Queen's University and subsequently went on to complete his master's degree at McMaster University where he studied advanced manufacturing. After several years of overseas experience he spent approximately nine years working with the Marine Institute where he was involved in teaching and research in the areas of design, manufacturing, robotics, and product development. During this time, he established the Manufacturing Technology Centre (MTC) in collaboration with the College of the North Atlantic and the provincial manufacturers' industry association. In 1996, he joined Memorial's Faculty of Engineering and Applied Science in the mechanical engineering discipline. He later left to join Garrison Guitars as plant manager but rejoined the Faculty of Engineering in 2004 to focus on design and product development where he strongly supports industrial research and development activities.

Speaking of Engineering is hosted by the Faculty of Engineering and Applied Science at Memorial University and the Professional Engineers and Geoscientists of Newfoundland and Labrador.

Thursday, Feb.19, 2009, 7:30 p.m.
Memorial University, St. John's Campus
S.J. Carew Building; Room EN2006

Reception to follow
Admission is free. All are welcome.
Parking is available in Lot 16

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