

The 2010 John Adjeleian Lecture

The 2010 John Adjeleian Lecture, titled “**Mechanics and its Role in Civil Engineering**” will be delivered by **Dr. A.P.S. Selvadurai** Ph.D, DSc, FRSC, FAAMI, FIMA, FCAE, FCSCE, FEIC, P.Eng. William Scott Professor and James McGill Professor, Dept. of Civil Engineering and Applied Mechanics, McGill University, Montreal, Quebec on March 31, 2010 in the Senate Room, 6th Floor, Robertson Hall (RO). A reception will follow the lecture.

Mechanics and its Role in Civil Engineering”

A.P.S. Selvadurai

Synopsis of the Lecture

Mechanics is the study of the behaviour of physical bodies subjected to forces or motion. It attempts to bring understanding to the inner workings of materials in terms of mathematics and physics. It provides scientific support to the artistic side of civil engineering activities. Mechanics plays a major role in all civil engineering endeavors ranging from design of innovative materials and structures to solutions that attempt to protect the environment from adverse effects created by human activities and by natural phenomena. The lecture provides a brief overview of the use of mechanics in civil engineering and in particular how mechanics examined via computers has resulted in innovative approaches to solving complex problems in civil engineering.