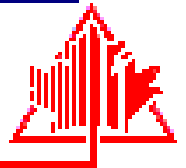




IEEE KW Section



IEEE Aerospace & Electronic Systems Society (AESS)

CANADIAN SPACE TECHNOLOGY FOR THE 21ST CENTURY

Tony Stajcer
Vice President, Corporate Research & Development
COM DEV Ltd, Cambridge, ON

Date: Tuesday, Dec. 1, 2009

Time: 11:30am

Location: DWE 3519, University of Waterloo

Abstract: Canada and Canadian industry are renowned for the exceptional instruments on science satellites, robotics for the space station and lunar/planetary exploration, satellite communications technologies and earth observation systems.

From Allouette-I to the Canadarm, to communications equipment on CASSINI mission travelling 3.5 billion km to Saturn, to the world renowned RADARSAT satellite, to the world's first Ka-band broadband communications for remote communities, to James Web Space Telescope Fine Pointing optical system, Canadian companies are designing and building some of the worlds leading space technologies for the 21st Century.

This presentation will explore some of Canada's biggest technological achievements in space and look at world leading Canadian technologies being developed around Canada and right here in the Waterloo region by COM DEV of Cambridge, Ontario.

Tony Stajcer: Tony Stajcer joined COM DEV International after graduating from the University of Waterloo with a Bachelor of Applied Science in Electrical Engineering in 1984. He rapidly advanced within COM DEV, working on and ultimately managing the design of passive and active RF electronics for satellite and defense applications. He was a key technical lead on critical equipment for Canada's Radarsat satellite and for Iridium's global satellite system. He led a COM DEV team in development and introduction of the world's first 1550nm technology for Optical Intersatellite Links.

In 2003 he became Vice President of R&D, leading the overall technology development and direction at COM DEV. In 2008 he's been appointed to the COM DEV Corporate team, as Vice President, Corporate R&D.

Invited by R. Dizaji, dizaji@ieee.org