

# SingAREN Seminar

# CanalAVIST

*A Digital Media Channel on TEIN2*

By Prof Kanchana Kanchanasut

**Date:** Monday, 21 April 2008  
**Time:** 10.00 - 11.00 am  
**Venue:** National University of Singapore  
Electrical & Computer Engineering (ECE) Dept.  
Conference Room, Blk E4 #05-39

IP multicasting is a promising technology for digital media streaming applications but somehow it has not been widely deployed. One of the main difficulties faced in setting up a multicasting application in real life was due to the fact that very often the multicast stream has to cross different network environments with different network owners and thus different network policies.

CanalAVIST is an attempt to set up an IP multicast channel over an trans-eurasia research and education network (TEIN2) connecting a wide variety of national research and education networks in Europe and the Asia-Pacific. Under this heterogeneous condition, where many different network boundaries exist, a digital media channel has to deal with high and low bandwidth networks, firewalls, IPv4 vs IPv6 and multicast vs unicast.

In this talk, we will describe CanalAVIST architecture and, in particular, its enabling technology DVRelay.

**RSVP:** Stephanie (9795 1740)  
by 14 April 2008



Kanchana Kanchanasut is a Professor in Computer Science and a Director of Internet Education and Research Laboratory at the Asian Institute of Technology, Thailand.

Her current research interests includes challenged and emergency networks, digital media channels and tele-education. She is an executive director of the ASEAN Virtual Institute of Science and Technology and was in charge of the Asia-Pacific Advanced Network (APAN) training committee.



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