

Sustainable Cities in the 21st Century: Intelligent Communities

ERS 674/Plan 674
Fall 2008 Tuesday, 1:30-4:20 p.m.
Rm. ES1 132

Instructors:

Mary Louise McAllister,
Associate Professor, Environment and Resource
Studies Email: mlmcalli@fes.uwaterloo.ca
Phone: 519-888-4567 x 35614

Don Cowan,
Distinguished Professor Emeritus (Computer
Science) and UW Computer Systems Group
Email: dcowan@csg.uwaterloo.ca
Phone: 519-888-4567 x84690



The widespread use of information technology (IT) is fundamentally reshaping human patterns of interaction in the built environment with the associated consequences for the social and bio-physical health of cities. Participants are encouraged to think critically about how innovation in IT might be used to address complex, interdisciplinary social and governance challenges. The goal is to investigate public, private and third sector ideas about how to tackle some commonly shared problems with respect to sustaining cities throughout the world. A collaborative, learning approach in class, and on the course web page, will be enhanced with presentations from guest speakers and seminar discussions.

Issues and topics to be covered:

A comparative examination of 'Intelligent Cities' around the world; case study City of Waterloo: *Intelligent City of 2007*;
Community broadband networks and social entrepreneurialism;
Communication and technology – the planning and shaping of cities;
E-government, fostering public participation in local decision-making, and community capacity-building; privacy/public access to information
IT applications and healthy, sustainable cities

Confirmed Guest Speakers:

John Jung, Chairman and Co-founder of Intelligent Community Forum
Pierre Fillion, Professor, Department of Planning (co-author of *Canadian Cities in Transition*)
Fred McGarry, Executive Director, Centre for Community Mapping
Simon Farbrother, Chief Administrative Office, the City of Waterloo
Ian Rowlands, Associate Dean of Research, Environmental Studies/ Professor, Environment and Resource Studies (author of publications on energy conservation and renewable energy)
Carin Holroyd, Assistant Professor, Department of Political Science, (co-author of *Japan and the Internet Revolution*)
Brenda Halloran, Mayor, City of Waterloo, Winner of intelligent Community of the Year 2007
Jean Andrey, Associate Professor, Department of Geography and Environmental Management (author of publications on transportation and tele-work)