

RESEARCH GROUP/LABORATORY:	<b>eHome</b>
INSTITUTION:	<b>TRLabs, Winnipeg</b>
ICT RESEARCH ACTIVITY SINCE:	1994
NATURE OF RESEARCH ACTIVITIES:	<ul style="list-style-type: none"><li>• Development of a simulation model for analyzing quality of service requirements for home technologies, that will generate new forms of traffic between a home network and Internet service provider</li><li>• Creation of a flexible platform for wireless transmission of high bandwidth audio-visual streams in a home</li><li>• Evaluation of the deployment and use of sensor networks in homes, which can automatically locate and respond to movement of people and objects</li><li>• Development of a home network inter-operability framework that creates seamless communication between all home network devices</li><li>• Creation of a remote-managed operating platform for a Managed Residential Gateway, that will quarterback the supply of network/multimedia services to a home, enabling the creation of new services, by automatically combining the capabilities of various devices within the home</li></ul>
ICT INDUSTRY CATEGORY:	Telecommunications
ICT SPECIALIZATION:	Networks, remote sensing/imaging, telecommunications/wireless
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