

Marie D'Iorio

Marie D'Iorio is the Director-General at NRC's Institute for Microstructural Sciences (IMS). Dr. D'Iorio obtained an Honours Physics degree at the University of Ottawa and her Master's and Ph.D. in solid state physics from the University of Toronto. In 1982, she joined the IBM Zurich Research Laboratory as a NSERC Post-Doctoral Fellow working with Dr. Alex Müller on electron spin resonance in



perovskite compounds. She then returned to Canada to work at the National Research Council where she established the first very low temperature/high magnetic field laboratory in Canada to study low dimensional electron systems in semiconductor heterostructures. Working at the leading edge of this field, she uncovered novel experimental evidence for a metal-insulator phase transition in dilute electron systems of very high mobility semiconductor quantum wells. In 1997, Dr. D'Iorio led a new initiative on organic semiconductor materials for photonics and electronic devices. In 1999, she was appointed Group Leader to the newly formed Organic Materials and Devices Group. Her group developed

a number of highly efficient small molecule and polymer materials, processes and devices in collaboration with academic and industrial partners. These efforts have now led to a 6M\$ Sustainable Development Technology Canada (SDTC) consortium with university and industry partners for the development of efficient plastic solar cells. Dr. D'Iorio joined the IMS Management team in January 2001 as Director, Components Technologies and became Director-General of the Institute in December 2003. She also leads the Information and Communication Technologies sector and the Clean Energy strategy development at NRC. From 1997-2001, she held executive positions in the Canadian Association of Physicists, including President from 1999-2000. Dr. D'Iorio is a member of the Royal Society of Canada. She currently serves on the Board of Directors of the Waterloo Institute for Nanotechnology, the Advisory Committee of the Regroupement québécois sur les matériaux de pointe, the scientific and business development advisory committees of the Canadian Light Source, and the Board of the NSERC funded Photovoltaic Innovation Network.