



In May 2014 The Peel District School Board commissioned **GS2 Environmental Consulting Inc** to conduct Electromagnetic Radiation testing in 25 Peel schools to measure the emissions from WiFi and other wireless devices within the schools. The electrical engineer that GS2 commissioned to conduct this testing was Dr Natalia Nikolova who C4ST believes has clear conflicts with the wireless industry as seen below in her bio working with companies heavily invested in the proliferation of wireless technologies such as Research in Motion (Blackberry), Com.Dev International, Faustus Scientific, and Quantic EMC.

Dr Nikolova recently was quoted in a June 2015 National Post article on the dangers of wireless radiation saying confidently.

“Right now we are literally bathing in radiation coming from everywhere — Wi-Fi, Bluetooth, cellular towers, in addition to the usual radio and television broadcasts, I’m not worried at all about short-term exposures because I can assure you there is no harm.”

She then went on to compare exposure from cell phones to a low grade fever

“A cell phone can warm the body by a fraction of a degree Celsius, she said, which is lower than a fever, “and certainly your body can handle that in the short term and recover.”

C4ST believes a further report should be commissioned, ensuring the engineers and project managers are free of industry funding and biased views on the subject of wireless exposure.



Dr. Natalia K. Nikolova

Professor

Canada Research Chair in High-frequency Electromagnetics

Dipl. Eng. ([Technical University of Varna, Varna, Bulgaria](#))

Ph.D. ([University of Electro-Communications, Tokyo, Japan](#))

Biography

Natalia K. Nikolova received the Dipl. Eng. (Radioelectronics) degree from the Technical University of Varna, Bulgaria, in 1989, and the Ph.D. (Electrical Engineering) degree from the University of Electro-Communications, Tokyo, Japan, in 1997. Her Ph.D. studies in Japan (1994 to 1997) were supported by a Monbusho (Government of Japan) Postgraduate Scholarship for Foreign Students. From 1998 to 1999, she held a Postdoctoral Fellowship of the Natural Sciences and Engineering Research Council of Canada (NSERC), during which time she was initially with the Microwave and Electromagnetics Laboratory, DalTech, Dalhousie University, Halifax, Canada, and, later, for a year, with the Simulation Optimization Systems Research Laboratory, McMaster University, Hamilton, ON, Canada. In July 1999, she joined the Department of Electrical and Computer Engineering, McMaster University, where she is currently a Professor.

Her research interests include theoretical and computational electromagnetism, high-frequency analysis, microwave imaging and inverse scattering, as well as computer-aided design of high-frequency structures and antennas. She has published more than 90 papers in engineering and physics journals, and has contributed to more than 120 refereed conferences in the field of microwave and antenna engineering, theoretical and numerical electromagnetism, etc. In 2011, she has been appointed as IEEE Distinguished Microwave Lecturer and has given numerous invited lectures around the world.

Dr. Nikolova held a University Faculty Award of NSERC from 2000 to 2005. Since 2008, she is a Canada Research Chair in High-frequency Electromagnetics.

She is a Fellow of the Institute of the Electrical and Electronic Engineers (IEEE) and a member of the IEEE Microwave Theory and Techniques Society and the Antennas and Propagation Society. Within the IEEE Microwave Theory and Techniques Society, she is a member of the following Technical Coordinating Committees: MTT-1 (Computer-aided Design), vice-chair, MTT-15 (Microwave Field Theory), vice-chair, and MTT-10 (Biological Effects and Medical Applications). She is also a member of the European Microwave Association, a correspondent of the International Union of Radio Science (URSI), and a member of the Applied Computational Electromagnetics Society (ACES). She is a registered professional engineer in the province of Ontario.



Sponsors

Federal

- Natural Sciences and Engineering Research Council of Canada (NSERC):
discovery, RTI, CRD and strategic grants

Provincial

- Ontario Centres of Excellence (OCE)/Communications and Information Technology Ontario (CITO):
Research Partnership Program
- Ministry of Research and Innovation Ontario (MRI)-Canada Foundation for Innovation (CFI):
Matching Funds

Industrial

- **Research in Motion (RIM)**, Waterloo, Ontario
- **COM DEV International**, Cambridge, Ontario
COM DEV International Ltd. is a global designer and manufacturer of space hardware and systems. We are world leaders in the production of space-qualified passive microwave equipment, specialized electronics and optical subsystems
- **Faustus Scientific**, Victoria, British Columbia
Faustus Scientific Corporation provides consulting services in all areas of electromagnetic field modeling and simulation. These include:
Wireless, Microwave and Millimeter-Wave Components,
Antennas, Scattering, and Radar Cross-Section,
Industrial RF and Microwave Applications (Drying, Heating, Pasteurization, Sintering, etc),
High-Speed Electronic Circuits, Interconnects, and Packaging,
EMC/I, Shielding, Signal Integrity,
Medical Applications of Electromagnetic Fields, Exposure, and Imaging.
- **Quantic EMC**, Winnipeg, Manitoba
Quantic EMC has been providing engineers and printed circuit board designers with signal integrity (SI) and electromagnetic compatibility (EMC) simulation tools since 1985. Considered the inventor of signal integrity simulation software, it has since been our mission to provide professional and accurate design and analysis tools to the Electronics Industry.



Collaborators

Dr. Shirook M. Ali (**Research In Motion**)

Prof. John Bandler (McMaster University, **Bandler Corporation**)

Prof. M. Jamal Deen (McMaster University)

Prof. Wolfgang J.R. Hoefer (University of Victoria, **Faustus Scientific**)

Prof. Steve Hranilovic (McMaster University)

Dr. Mostafa Ismail (**COM DEV**)

Dr. Slawomir Koziel (Reykjavik University)

Prof. Xun Li (McMaster University)

Prof. Kaj Madsen (Technical University of Denmark)

Dr. Nagula T. Sangary (**Research In Motion**)

Prof. Poman P.M. So (University of Victoria, Faustus Scientific)

Prof. Al Wexler (University of Manitoba, **Quantic**)