

CURRICULUM VITAE
Prof. Dr. Dimiter Alexandrov



Contact information:

Department of Electrical and Computer Engineering

Lakehead University

955 Oliver Road

Thunder Bay, Ontario P7B 5E1

Canada

Phone: +1-807-343-8311

Email: dimiter.alexandrov@lakeheadu.ca

Doctoral academic qualification

Prof. Dimiter Alexandrov received his Ph.D. degree in the field of semiconductors in Technical University of Sofia. His doctoral contributions relate to properties of the semiconductors based on their electron band structures.

Academic career

Prof. Dimiter Alexandrov began his academic career as Assistant Professor at the Technical University of Sofia. Later he joined Lakehead University as Associate Professor and he got promotion in rank of Full Professor at Lakehead University in 2011.

Scientific contributions

Prof. Dimiter Alexandrov has scientific contributions mainly in the field of materials science and in the field of interaction of hydrogen isotopes with materials and the corresponding energy release. His scientific achievements are published in 44 papers in refereed journals, 16 papers in refereed conference proceedings, 23 papers in non-refereed conference proceedings and other 11 non-refereed publications.

The major scientific achievements of Prof. D. Alexandrov are in the field of interaction of hydrogen isotopes with materials as his outstanding contributions are experimental. The released energy in these interactions is significant in all experiments. Also, he has contributions in the field of theory in consideration of interaction of hydrogen nuclei with atoms in materials.

Other significant scientific contributions are in the field of epitaxy of nitride semiconductors and two world significant achievements must be considered – successful epitaxial layers of GaN on ceramic substrates and epitaxial layers of InN with energy band gap 1.9 eV.

Research grants received

Prof. Dimiter Alexandrov is head of Semiconductor Research Laboratory at Lakehead University. During his research career he received more than \$1.4 million for development of the laboratory and for further experimental research mainly in the field of materials and in the interaction of the materials with hydrogen isotopes.

Contributions in the university education

During his academic career Prof. Dimiter Alexandrov has taught university courses training more than 3000 undergraduate students. He has been supervisor for 26 successfully graduated M.Sc. students, 5 PhD students and a postdoctoral fellow.