



Valery Tolstikhin

Winner of “Fast Growth Enterprise” Award

Founder and CTO

OneChip Photonics Inc.

<http://www.onechipphotonics.com/>

Valery Tolstikhin is a Founder and Chief Technology Officer (CTO) of OneChip Photonics Inc., a fabless developer and manufacturer of integrated photonics based optical components for tele and datacom markets. The company currently includes 85 highly qualified professional employees. They are major exporters and source the majority of their inputs locally. With state-of-the-art technology, OneChip Photonics’ development and manufacturing of cost-efficient optical transceivers for massive access telecommunications and high-speed datacom markets, has attracted \$70 million dollars in direct private investment. Valery is active in supporting the local photonics sector, including engaging with the Ottawa Photonics Cluster and giving service to the Advisory Committee at Algonquin College.

Mr. Tolstikhin has been involved in the research, development and commercialization of advanced semiconductor devices for micro- and optoelectronics since completion of his Ph.D. in 1980. An industry veteran with a solid academic background and international credentials acquired through his work in Canada, the Netherlands, Sweden and Russia, Valery has a long track of achievements as innovator, team builder and entrepreneur. He started his first technology company back in his native Moscow, Russia, in 1988. After emigrating to Canada in 1997, he got involved with burgeoning Ottawa photonics community, working, consecutively, for the National Research Council of Canada, Optiwave, Nortel and Metrophotonics. In 2006, he started a new company, OneChip Photonics, which now leads the world in the cost-efficient photonic integration and is one of the fastest growing businesses in this area. Dr. Tolstikhin has extensively published and patented in the area of integrated photonics, given numerous invited talks and chaired or served on program committees for many major international research conferences. He is an adjunct professor at University of Ottawa.