

THE UNIVERSITY OF WESTERN ONTARIO
SCHOOL OF GRADUATE AND POSTDOCTORAL STUDIES

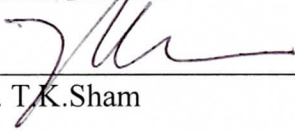
CERTIFICATE OF EXAMINATION

Joint-Supervisor



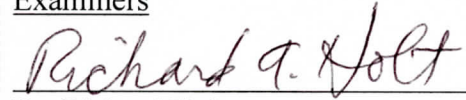
Dr. Lyudmila Goncharova

Joint-Supervisor

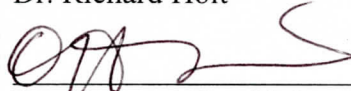


Dr. T.K. Sham

Examiners



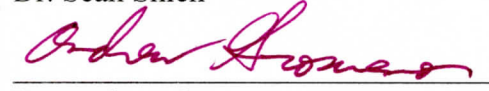
Dr. Richard Holt



Dr. Giovanni Fanchini



Dr. Sean Shieh



Dr. Andrew Grosvenor

The thesis by

Olga Lobacheva

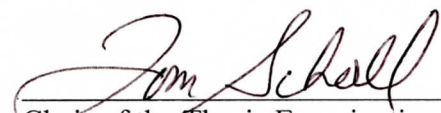
entitled:

**Ion beam modification of strontium titanate and highly oriented
pyrolytic graphite**

is accepted in partial fulfillment of the
requirements for the degree of
Doctor of Philosophy

Date

May 19, 2015



Chair of the Thesis Examination Board