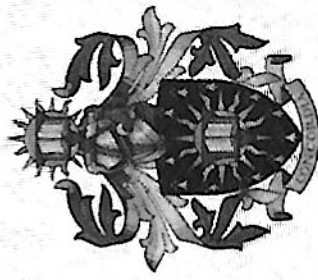


Concordia University

Montreal



Canada

It is certified that

Michal Zermunko

having completed the required course of study and having complied with all other requirements of the University is hereby admitted to the degree of

Doctor of Philosophy

In testimony whereof, we have affixed our signatures and the seal of the University this twenty-third day of May, 2008.

Danielle Tosi

DIRECTOR, SENATE AND BOARD ADMINISTRATION

Loungny Fren

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