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UNIVERSITY OF LEEDS

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To Whom It May Concern

**Review of the Masters (second level) in Applied Mathematics,
Kharkiv National University of Radio Electronics**

The second (Masters) level of higher education program in Applied Mathematics (113) in the field of knowledge of Mathematics and Statistics (11), has been developed at the Department of Applied Mathematics of the Kharkiv National University of Radio Electronics. The educational and professional program is built on the foundations of state of the art research in the field of applied mathematics. It is focused on current and relevant aspects of the specialty and targets participants who wish to further their professional career.

The purpose of the educational program is to train highly qualified specialists who possess a system of knowledge in the field of applied mathematics, are able to formulate, solve and generalize practical problems in their professional activities using fundamental and special applied methods of mathematical and computer sciences.

The design of the curriculum achieves the learning goals through the inclusion of such educational disciplines as: Tasks and methods of Data Mining, Methods of stochastic and fuzzy optimization, Stochastic analysis and its application, Mathematical modeling of systems with distributed parameters, R-functions theory and its application, Nonlinear models of dynamic systems and synergetics, Computer modeling of problems of applied mathematics, as well as through professional practice and qualification work performance. In addition, candidates who study under this educational program have the opportunity to deepen their knowledge in specific sections of applied mathematics by undertaking optional disciplines, which expand the possibilities of forming an individual educational trajectory by applicants. In total, the size of the educational program is 90 ECTS credits, 67 ECTS credits of which are compulsory components and 23 ECTS credits are for optional components.

The program is focused on the formation of a specialist capable of solving complex problems related to mathematical modeling of processes and objects of various nature at the research level of professional activity, and it also integrates knowledge from promising areas of applied mathematics, in particular, modern methods of mathematical modeling and calculus mathematics, analysis of stochastic processes, mathematical (stochastic and fuzzy) programming and data analysis.

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I believe that the educational program has relevant content that trains specialists in applied mathematics to meet the needs of organisations and, in case of successful completion, it supports a productive professional career as well as a prerequisite for continuing studies in postgraduate program. On this basis, the educational and professional second level (Masters) program in Applied Mathematics is a relevant and appropriate programme to recommend for the training applicants of the specified level.

Yours faithfully,

Professor Julia Bennell
Executive Dean
Leeds University Business School