

FirstName LastName, Ph.D.

Curriculum vitae

Personal

Nationality: Ukrainian
Date of Birth: -----
E-mail: **FirstName.LastName** [@gmail.com](mailto:FirstName.LastName@gmail.com)
Phone: -----
Skype ID: -----.

Photography

I can commence employment in December, 2010.

I have a permit to work for any employer in the USA (Green Card holder).

Objective

I am seeking a position as a research scientist, specializing in physics (or alternately as a scientific programmer – **буду писати в залежності від місця подачі**)

Education

Ph.D. in Physics and Mathematics. Institute of Physics of the National Academy of Science. Kiev, Ukraine – 2005.

Dissertation: "Title". Advisor: Prof. -----.

M.Sc. in Physical Electronics. National Technical University of Ukraine "Kiev Polytechnic Institute". – 2000.

B.Sc. in Electronics. National Technical University of Ukraine "Kiev Polytechnic Institute". - 1998

Skills overview

Complex networks:

- physical methods in complex networks;
- graph theory;

Data mining:

- classification of the magnetic and ultrasonic signals;
- clustering;

Numerical methods and numerical modeling:

- integral equations, inverse problem;
- optimization;

Nondestructive testing:

- magnetic flux leakage (MFL) method;
- pipeline inspection;

Inhomogeneous media (composites):

- percolation;
- conductivity;
- thermoelectricity;
- effective coefficients;
- nonlinear media;

Deterministic chaos;

Computer skills:

- Python (including NumPy, SciPy, Networks);
- MatLab (including following Toolboxes: Neural Network, Statistics, Optimization, PDE);
- C/C++ (including STL, Boost);
- FORTRAN;
- Mathematica;
- MathCAD;

Work experiences:

2005 – Present: Full time researcher in the “Title of the Institute”

Activities include:

- Applying of physical methods to the complex networks.
- Research in the percolation media.
- Research in the deterministic chaos.

2004 – 2010: Part time Physicist in “Name of Firm” Germany

The following tasks have been completed:

- Application of Integral Equations to the Inverse Problem for a real Magnetic Flux Leakage signals. Used analytical and numerical methods.
- Development algorithms for the classification of the magnetic and ultrasonic signals.
- Creation of artificial data for training Neural Networks.

References: Available upon request.

Publications

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