

Curriculum vitae

Name: Hanna Veselovska
Date of birth: 18/12/1991
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Nationality: Ukrainian
Place of birth: Banja-Bereziv, Kosiv district,
Ivano-Frankivsk region, Ukraine



Education

November 2017 – present Junior Researcher at the Institute of Mathematics, National Academy of Sciences, Kyiv, Ukraine (NAS of Ukraine), the Department of Numerical Mathematics.

October 2017 – present DAAD (German Academic Exchange Service) Scholarship Holder at the Institute of Mathematics, University of Lübeck, Germany

November 2014 – February 2018 **Candidate of Science*** in Mathematical Analysis, Institute of Mathematics, NAS of Ukraine, the Department of Numerical Mathematics,

Thesis Title: “Padé Type Approximation of Special Functions of Several Variables”,

Supervisor:

Dr. Anatoly P. Holub – senior scientific researcher, leading researcher of the Department of Numerical Mathematics of Institute of Mathematics, NAS of Ukraine.

*(*Candidate of Science is equivalent to the Academic Degree of Doctor of Philosophy)*

September 2014 – October 2014 Teacher of Mathematics at Lyuchkivska basic school, Kosiv district, Ivano-Frankivsk region, Ukraine.

2013 – 2014 **Master's degree** in Mathematics (with honours), Ternopil Volodymyr Hnatiuk National Pedagogical University, Faculty of Physics and Mathematics, Ukraine,

Thesis Title: “Application of Generalized Moment Representation for Constructing and Studying of Rational Approximations of Functions of Two Variables”,

Supervisors:

Dr. Anatoly P. Holub – senior scientific researcher, leading researcher of the Department of Numerical Mathematics of the Institute of Mathematics NAS of Ukraine;

Associate Professor V.A. Lototskyi – PhD in Sciences (Physics and Mathematics), Faculty of Physics and Mathematics, Ternopil Volodymyr Hnatiuk National Pedagogical University;

During the study was actively engaged in social (a member of the Student University Council,...) and public (participant in the Green Ternopil program for a cleaner city,...) volunteer activity.

2013 – 2009

Bachelor's degree in Mathematics (with honours), Ternopil Volodymyr Hnatiuk National Pedagogical University, Faculty of Physics and Mathematics, Ukraine,

Main Subjects included:

Mathematical Analysis (grade A), Algebra and Number Theory (grade A), Geometry (grade A), Differential Equations (grade A), Probability and Mathematical Statistics (grade A), General Physics (grade A), Mathematical logic and theory of algorithms (grade A), Programming (grade A), Numerical methods (grade A), Discrete Mathematics (grade A).

Bachelor's degree in Document Science and Information Activity (extramural studies), Ternopil National Economic University, Faculty of Economics and Management, Ukraine,

Main Subjects included:

Document Science (grade C), Document Management (grade C), Electronic Document Flow (grade A), Analytical and Synthetic Information Processing (grade C), Information and Analytical Activity (grade B), Computer Networks and Communications (grade A), Internet Technologies and Resources (grade A),

2009 – 2007

Serednoberezivska secondary school of general education (graduated with honours).

2007 – 1998

Banja Berezivska basic school (graduated with honours).

Research interests

- Approximation theory
- Padé and rational approximants for function of one or several variables
- Biorthogonal polynomials of several variables
- Ordinary differential equations
- Partial differential equations
- Signal processing:
 - Prony's method and its multivariate generalization
 - Method of orthogonal polynomials
 - Application of Padé approximants in signal analysis

Personal skills and competencies

Languages

Mother tongue: Ukrainian

Other languages: English Upper intermediate (B2 level)
German Low intermediate (B1 level)

Personal skills

Interpersonal communication skills, adaptable and flexible, determined, responsible, trustworthy, energetic and hard-working, quick in addressing problems.

Able to develop and maintain collaborative relationships, seek new challenges and show leadership. Tolerant, understanding, with positive disposition.

Computer skills and competences

Extensive experience in most mathematical and scientific software applications:

- ✓ Latex
- ✓ Wolfram Mathematica
- ✓ MatLab

Advanced skills in Microsoft Office (all applications).

Hobbies

Walking in the nature, yoga, jogging, hiking, speleology, gouache painting.