

Mariia NESTEROVA

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Nationality Russian
Date of Birth 12.08.1990



Early Stage Researcher

EDUCATION

- | | | |
|-------------------|---|--|
| 09.2014 – 02.2016 | European Master
(Erasmus Mundus program SUSCOS) | Czech Technical University, Prague, Czech Republic
LTU, Lulea, Sweden
UNINA, Naples, Italy |
| | - Diploma topic | - Properties of materials for laminated glass |
| | - Main subject | - Sustainable Constructions |
| 09.2011 – 07.2013 | Master of Science | State Polytechnic University, St Petersburg, Russia |
| | - Diploma topic | - Design decisions in the architecture of schools |
| | - Main subject | - Civil Engineering |
| 09.2007 – 07.2011 | Bachelor | State Polytechnic University, St Petersburg, Russia |
| | - Diploma topic | - Complex of buildings for a nuclear power plant |
| | - Main subject | - Structural Engineering |

WORK EXPERIENCE

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|-------------------|---|---|
| 03.2016 – 04.2016 | Researcher | Czech Technical University, Prague, Czech Republic |
| | - teaching assistance in the glass structures course for international students | |
| | - laboratory experiments with laminated glass | |
| 09.2012 – 08.2014 | Teaching Assistant | State Polytechnic University, St Petersburg, Russia |
| | - lectures in engineering architecture | - preparation of courses |
| | - consultations on architectural projects | - tutoring in <i>Revit</i> software |
| 09.2011 – 09.2013 | Civil Engineer | Design Agency <i>GETMAN</i> , St Petersburg, Russia |
| | - fire-safety systems design in <i>AutoCAD</i> | - calculations |
| | - leading the fire-safety projects | - control of work in site |
| 09.2010 – 02.2011 | Secretary | <i>BCM Holding</i> , St Petersburg, Russia |
| | - managing documents and archives | - organization of events |

SKILLS

- | | | |
|-----------------------|--|---|
| Technical | - design software | - <i>AutoCAD, Revit</i> |
| | - FEA tools | - <i>ANSYS, Robot, SAP2000, SCAD Office, Abaqus</i> |
| | - office | - MS Office Word, PowerPoint, <i>LaTex</i> |
| | - computational | - <i>MATLAB</i> , MS Office Excel |
| Organizational | - participation in competition and conferences | |
| | - leading of university internship teams | |
| Personal | - enthusiasm for the work involved and purposefulness | |
| | - qualitative performance of work responsibility honesty | |

LANGUAGES

- Mother tongue - Russian
- Working - **English** (Professional) - French (B2)
- Czech (A2) - Swedish (A2) - German (A1)

PUBLICATIONS

- Scientific work** - Nesterova M.S., prof. Rybakina A.M., Modernization of Architectural Solutions in Russian Schools Taking into Account Foreign Experience, scientific work. SPbPU, St. Petersburg, 2013, 123 pages
Language: Russian
- Conferences** - Nesterova M., prof. Chernyaev Y.P.; Problems in Creation of a Scientific Research Base on the Moon; XXXIX Week Of Science. Materials of Russian University Technical Conference for Students and Postgraduates. Civil Engineering Department, SPbPU, St. Petersburg, 2010
Language: Russian
- Nesterova M., prof. Arbinskaya R.M.; Nuclear Power Plants lifetime prolongation in Russia; XXXVII Week Of Science. Materials of Russian University Technical Conference for Students and Postgraduates. Foreign Languages Department, St. Petersburg, SPbPU, 2008
Language: English

TEACHING EXPERIENCE

- Czech Technical University Prague
Year: 2015/2016
Language: English
- “Glass Structures”**
Practical Part, international students:
- Design of a balustrade made of laminated glass
 - Design of glass fins, columns
 - Design of composite glass-steel beams connected by glue
 - Design of bended pre-stressed glass
- State Polytechnic University St Petersburg
Year: 2013/2014
Language: Russian
- “Architecture of Civil Buildings and Structures”**
Course Project, students of the 2nd year:
- Preliminary Design of a 3-storey house interior and exterior
 - Calculating of thermal resistance of walls, roofs
- “Architecture of Civil Buildings and Structures”**
Course Project, students of the 3rd year:
- Design of a library using software Autodesk Revit
- “Computer Graphics”**
Lectures / Seminars, students of the 5th year:
- Various software tools used in modern design practice
- State Polytechnic University St Petersburg
Year: 2012/2013
Language: Russian
- “Architecture of Industrial Buildings and Structures”**
Lectures / Course Project, students of the 3rd year:
- Design solutions for industrial buildings of different type
 - Preliminary Design of an industrial building
- “Informatics for Civil Engineering”**
Seminars, students of the 5th year:
- Various software tools used in modern design practice