



ANDREA SZABOVA

Objective

A highly skilled civil engineer with 8+ years of experience in research, teaching, and +7 years of experience working for city government and community who is seeking to leverage her technical and professional expertise to grow in the new role.

VITALS

22500 SE 56th St, Apt 13-304

980 29 Issaquah, WA

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E adaszabo128@gmail.com

WORK EXPERIENCE

CITY OF KOSICE, SLOVAKIA

OFFICIAL FOR CIVIL ENGINEERING

SEPTEMBER 2008 – JUNE 2015

Review constructions plans to ensure they meet building codes, local ordinances, and zoning regulations; monitor construction sites periodically to ensure overall compliance; lead technical law counselling for developer, architects, and public participants of the civil engineering proceedings; issue permissions related to civil engineering; interpret and explain Construction law, City codes, Environmental law, and Administrative Procedure Code for the public.

TECHNICAL UNIVERSITY OF KOSICE, FACULTY OF CIVIL ENGINEERING, INSTITUTE OF ENVIRONMENTAL ENGINEERING, SLOVAKIA

RESEARCHER SCIENTIST

SEPTEMBER 1998 – JUNE 2006

Research in two fields - architectural design and environmental engineering with focus on interaction between indoor air quality and architectural design especially of underground construction; teaching and consulting all study degree students and supervise students by research and graduation work.

EDUCATION

TECHNICAL UNIVERSITY OF KOSICE, FACULTY OF CIVIL ENGINEERING, SLOVAKIA

DOCTOR OF PHILOSOPHY DEGREE IN CIVIL ENGINEERING

MAY 2006

Dissertation: Architectural design with focus to elimination of Radon from indoor building environment.

The results of Dissertation: Mathematical model for prediction of indoor Radon concentration in buildings; General rules for architectural design of foundations of buildings with focus on subsoil radon; Development of custom software for creation of architectural design of underground construction for Radon transport elimination from subsoil of the building.

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Dissertation examination: Architectural design, Mechanics of Soil and foundation of buildings, Toxicology of indoor air, Chemistry, Mathematics , German language.

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TECHNICAL UNIVERSITY OF KOSICE, FACULTY OF CIVIL ENGINEERING, SLOVAKIA

BACHELOR'S AND MASTERS'S DEGREE IN CIVIL ENGINEERING

SEPTEMBER 1993 – JUNE 1998

Master's degree graduation work: Radon in indoor air buildings – awarded the first prize in Environmental Engineering in year 1998.

BELLEVUE COLLEGE, THE ARTS & HUMANITIES DIVISION, BELLEVUE, WA

STUDENT

SEPTEMBER 2015 - PRESENT

Improving skills in academic English.

RESEARCH INTERESTS

Indoor air quality, Indoor air pollution sources, Mathematical modelling, Architectural design of underground construction, Mechanics of Soil and foundation of buildings, Environmental assessment of buildings and building materials, Application of Construction and Environmental Law for sustainable landscape design.

RESEARCH EXPERIENCE

Participation on NATO SCIENCE PROGRAMS Impact on Perceived Air Quality of the Interaction between Indoor Air Pollution Sources (Concordia University, Montreal, Quebec, Canada); Building Environmental Assesment and Certification.

Participation by implementation EU norms into Slovak law; Government grants focused on creation of thesis of the transfer between the pollutants from the building materials and indoor air quality.

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PUBLICATIONS

1. Senitkova, I., Szaboova, A.: Prediction of indoor radon concentration. In: Proc. Of 10th International conference on Indoor Air Quality and Climate „Indoor Air 2005“, Volume 3, 4/9 September, 2005, Beijing
2. Szaboova A., Senitkova, I: Verification of predicted indoor radon occurrence. In: Proc of 10th Scientific Conference Rzesow-Lviv/Kosice“State of Art, Trends of Development and Challenges in Civil Engineering“, 11/13 September, 2005, Kosice
3. Senitkova, I., Szaboova, A.: Radon, building materials and indoor radon concentration. In Proc. Of V conference on Environment and Mineral Processing, Ostrava, VSB TU, part 1, s.239-244, ISBN 80/7078/765/1

CERTIFICATES

Certification for proficient competence for work as official in construction offices on September 2008. Certification obtains education and examination from Construction law, Building codes, Environmental law, and Administrative Procedure Code in Slovakia.

Certificate of Completion Academic English Preparation at Bellevue College on 2017.

LANGUAGE SKILLS

French - ILR Level 2

English - ILR Level 3

German - ILR Level 4

Slovak and Czech - ILR Level 5

SKILLS & ABILITIES

- Experience: Microsoft Office, including Word, Excel and PowerPoint, AUTOCAD, ARCHICAD, C#, HTML, SQL, mathematical modeling methods
- good technical writing, analytical and verbal communication skills

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- knowledge of building codes, development standards, contract specifications and local, state regulations governing construction and development practices,
- knowledge of building and construction materials, methods and tools used in the construction or repair of houses, buildings, and/or other structures,
- knowledge of accepted safety standards and methods of building construction for commercial and residential buildings,
- skills in working with the community and fostering a good relationship between the City and the construction industry,
- communicate technical and non-technical information and ideas clearly and effectively,
- develop credibility with public, engineers, architects, developers, and contractors,
- make difficult, complex, and sometimes unpopular decision independently,
- interpret and read plans and engineering drawings,
- diffuse tense situations involving angry and upset people; resolve sensitive disputes,
- interpret and apply rules, codes and regulations appropriately,
- solve complex problems and think critically,
- being able to work without close supervision, attention to detail, and initiative,
- ability to work in the United States immediately.

REFERENCES

Available upon request