

## Ľubomír Török

### Address :

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### Education:

Slovak Academy of Sciences

PhD. in Theoretical Computer Science 2007, defense at Comenius University, Bratislava, Slovakia

University of Žilina, Žilina

Faculty of Management Science and Computer Science, Ing. (MSc. eq.) degree, 2003

- Applied computer science
- MSc. thesis on Data presentation of multitiered applications, JAVA programming language

### Work experience:

Research fellow (December 2007/now), Slovak Academy of Sciences, Institute of Mathematics and Computer Science, Banská Bystrica

- research on theoretical computer science, linear graph layouts

Software developer (July 2004/ now), Beset s.r.o., department Banská Bystrica

- part-time job, software developer, JAVA programming language

University teacher (September 2003/now), Matej Bel University, Banská Bystrica

- assistant, lectures and seminars in discrete mathematics, coding theory, programming and optimization

Research stay(October 2004/February 2005), LaBRI Bordeaux, France, prof. André Raspaud

- theoretical research on the antibandwidth problem

Job training, Žilina, National Institute of Telecommunications, France, Evry (July 2002/September 2002)

- Analysis of simulation tool for mobile phone operators
- Database design (InterBase, Erwin)

Job training, Evry, France, National Institute of Telecommunications, Evry (March 2002/June 2002)

- Simulation tool for mobile operators development (Excel, Visual Basic for Applications)

### Awards:

- Stefan Schwarz support fund, Slovak Academy of Sciences, 2010-2014.
- Award of President of Slovak republic Ivan Gašparovič for young scientists, 2010

### Research interests:

- Linear and three-dimensional graph layouts

### Projects participation:

- VEGA 2/0111/09, 2009-2011, Theoretical and algorithmical problems of distributed networks, Stefan Dobrev
- VEGA 1/0722/08, 2008-2010, Combinatorial and geometrical properties of graphs and posets, Roman Nedela
- APVV 51-009605, 2006-2009, Discrete structures in algebra and geometry, Roman Nedela
- VEGA 2/6089/26, 2006-2008, Algorithmic and theoretical problems of distributed networks, Imrich Vrťo
- VEGA 2/5132/25, 2005-2007, Combinatorial representation of discrete and linear mathematical structures, Roman Nedela
- VEGA 2/3164/25, 2003-2005, Graph-theoretic problems in computer science, Imrich Vrťo
- APVT 51-012502, 2002-2005, Representations of discrete structures and their applications, Roman Nedela

- VEGA 2/2060/22, 2002-2004, Algebraic and combinatorial properties of graphs, maps and posets and similar structures, Roman Nedela
- COMBSTRU-HPRN-CT-2002-00278, 2002-2006, Combinatorial Structure of Intractable Problems, André Raspaud
- Centre of Excellence, Matej Bel University "CaKS" (NFP č. 008/2009/2.1/OP VaV, kód 26220120007.), 2009-2011, Gabriel Semanišin

Teaching:

- Operations research (linear, non-linear)
- Basics of Coding Theory
- Discrete mathematics
- Graph Theory
- Numerical methods
- Programming

Family background:

- Born on 28<sup>th</sup> November, 1979, Liptovský Mikuláš, Slovakia
- Lives in Banská Bystrica
- Married, daughter Eva born in October 2009

Hobbies:

- Photography ([www.lubotorok.com](http://www.lubotorok.com))

Additional information:

Spoken languages :

- English – advanced; German - passive