Curriculum Vitae
Petr Glivický

Previous appointments:

since October 2013   **Researcher**
at Charles University in Prague, Faculty of Mathematics and Physics,
Department of Theoretical Computer Science and Mathematical Logic

Education:

2009 - 2013   **Ph.D. – Algebra, number theory and mathematical logic**
at Charles University in Prague, Faculty of Mathematics and Physics

     dissertation: *Study of arithmetical structures and theories with regard to representative and descriptive analysis*

     advisor: doc. RNDr. Josef Mlček, Csc.

2007 - 2009   **Mgr. – Mathematical structures**
at Charles University in Prague, Faculty of Mathematics and Physics

     thesis: *Models of arithmetical and rich theories*

2004 - 2007   **Bc. – General mathematics**
at Charles University in Prague, Faculty of Mathematics and Physics,

     thesis: *Weak arithmetical theories and their models*

Awards and Prizes:

2007   ***Bernard Bolzano Prize** of the Charles University in Prague* (for an extraordinary research work made by students) for the bachelor's thesis *Weak arithmetical theories and their models*

2007   ***SVOČ*** (Czech and Slovak competition of student research works in mathematics), 2nd prize, for the work *The Fermat's Last Theorem in arithmetics with axiomatically defined exponentiation*

2013   Project *Representative and descriptive analysis of structures and theories* financed by the Grant Agency of the Charles University (GA UK) was chosen as one of successful projects to be presented at the celebrations of 20 years of GA UK.

Publications and preprints:

1. *Petr Glivický* and *Jan Šaroch*, Quasi-euclidean subrings of Q[x], Communications in Algebra **41** (2013), no. 11, 4267–4277, preprint available at: http://www.glivicky.cz/Quasi-Euclidean_rings.pdf.
2. *Petr Glivický* and *Vítězslav Kala*, Fermat's Last Theorem and Catalan's conjecture in weak exponential arithmetics, preprint, available at: http://www.glivicky.cz/FLT_in_weak_arithmetics.pdf

Successful grant applications:

2010 - 2012   **GA UK** (Grant agency of the Charles University) grant – project *Representative and descriptive analysis of structures and theories*

Other notable mathematical training:

2010   *Graduate Summer School in Logic*, Singapore
2011   Winter school: *Model Theory of Difference Fields and Applications*, Orsay, France
2012   Summer school: *Model Theory in Algebra, Analysis and Arithmetic*, Cetraro, Italy

Teaching:

at the Charles University in Prague:

since 2009   exercise sessions for *Propositional and Predicate Logic* course
since 2010   course *Logic and Set Theory*
since 2012   co-organizer of the *Non-standard seminar*

Areas of recent research:

Arithmetical theories (models of Peano arithmetic, linear arithmetics, weak arithmetics)
Model theory (expansions and presentations, model theory of linear theories)
Non-Euclidean rings (quasi-Euclidean and k-stage Euclidean rings)
Non-standard methods (non-standard analysis)

Language qualification:

English: fluent
German: intermediate