

# List of Activities (2010–2014)

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## Projects

- **MŠMT CZ1.1.00/02.0070** **2012–now**
  - The IT4Innovations Centre of Excellence
- **TAČR TE01020415** **2012–now**
  - V3C: Visual Computing Competence Center
- **FRVŠ MŠMT FR271/2012/G1** **2012**
  - Mathematical Foundations of Formal Language Theory
  - with L. Vrábel and A. Meduna
  - <http://www.fit.vutbr.cz/~izemek/frvs2012/>
- **TAČR TA01010667** **2011–2013**
  - System for Support of Platform Independent Malware Analysis in Executable Files
  - with J. Kroustek, L. Ďurfina, and D. Kolář
  - in cooperation with AVG Technologies and Lissom
  - <http://decompiler.fit.vutbr.cz/>
- **BUT FIT FIT-S-11-2** **2011–2013**
  - Advanced Recognition and Presentation of Multimedia Data

## Products

- **Retargetable Decompiler**, Software **2013**
  - <http://decompiler.fit.vutbr.cz/>

## Teaching

- **IFJe: Formal Languages and Compilers (Erasmus)** **2012–2013**
  - lectures, exercises, projects, exams
- **IFJ: Formal Languages and Compilers** **2010–2013**
  - exercises, grading of exams
- **IPP: Principles of Programming Languages** **2010–2011**
  - projects
- **GAL: Graph Algorithms** **2010–2011**
  - projects

- **IZP: Introduction to Programming Systems**
  - exercises

2010

Supervised Bachelor's Theses: 7

Supervised Master's Theses: 1

ZH ("započítatelné hodiny"): 1026 (total)

The requirements for the amount of teaching activities have been met.

## Study

- **Completed Courses**
  - ✓ APD: Selected Topics on Language Parsing and Translation
  - ✓ TID: Modern Theoretical Computer Science
  - ✓ MID: Modern Mathematical Methods in Informatics
  - ✓ LOG: Mathematical Logic
- **Completed Exams**
  - ✓ Ph.D. Test of English
  - ✓ State Doctoral Examination

## Student Competitions

- **Joseph Fourier Prize**, Prague (5th Place) **2013**
- **Student EEICT 2013**, Brno (1st Place) **2013**
- **Student EEICT 2012**, Brno (1st Place) **2012**
- **Student EEICT 2011**, Brno (1st Place) **2011**

## Other Activities

- Organization of LTA'12 and LTA'13 (Language Theory with Applications, local conferences)
  - <http://www.fit.vutbr.cz/~meduna/work/doku.php?id=lectures:lta:lta12>
  - <http://www.fit.vutbr.cz/~meduna/work/doku.php?id=lectures:lta:lta13>
- Invited lectures
  - TID: Modern Theoretical Computer Science
  - IPPe: Principles of Programming Languages (Erasmus)
- Many presentations in internal BUT FIT seminars
  - Seminar on Formal Languages and Their Models
  - Decompiler Group Seminar

"Bobři": 178 (total)