Wednesday 24 May 2017
10h30 – 12h00
UT3 Paul Sabatier, IRIT, Salle 001

Vladimir ULYANTSEV
ITMO University, Saint Petersburg (Russie)

Finite-state machine synthesis in ITMO University

Abstract: In the talk we will outline the results of the last 5 years of research conducted by our group at ITMO University on the topics of automata-based program design, finite-state machine synthesis and verification. Used methods include evolutionary algorithms, model checking and constraint programming - usage of satisfiability and constraint satisfaction problem solvers. Also, another ITMO research in computer science (bioinformatics, machine learning, evolutionary computation) will be briefly presented. Short bio: Vladimir Ulyantsev received his PhD from ITMO University in 2015. His main research interests include automata and graphs synthesis, constraint programming and bioinformatics. Vladimir is currently a postdoc researcher at ITMO University.