DOCTORAL SCHOOL OF INFORMATICS
COMPLEX EXAM SUBJECT

Temporal Logic (recommended subject)

Classification of temporal logics. Syntax and semantics of linear time temporal logics ([P]LTL) and branching time temporal logics (CTL, CTL*). Past tense operators. Unity logic, syntax and semantics of safety and liveness properties. Verification of concurrent programs. Comparison of temporal logics based on their expressiveness.