Words
and
Automata
Research
Group

Seminar Announcement

Connections between automata theory and set theory

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Wednesday 7th December 2016, 3 p.m.

Room 7, Via Archirafi 34, 90123 Palermo

Automata theory is an important branch of Computer Science. It studies what languages over a given alphabet are "recognizable" by different classes of automata.

Set theory, instead, is an important area of mathematical logic, and is split in several branches. A particularly important one is descriptive set theory, which is the branch that studies what subsets of the so-called Polish spaces are "definable" in some sense.

The two areas above, automata theory and descriptive set theory, apparently so disconnected, have interesting relationships.

In this seminar, hence, I will present in an informal way which connections between these two areas of research can be developed. The seminar is intended for a large public, so no prerequisite is needed.

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All interested people, in particular students, are invited to participate