Abstract: How can we make formal proof teachable?

Gilles Dowek, Inria and ENS Paris-Saclay

Abstract When teaching formal proof, like when teaching programming, we must not focus on the idiosyncrasies of the used language, but on pieces of knowledge that are general enough to be reused by the learner. I will defend that this requires, for the teacher, to understand that various systems implement various theories, that these theories are formed with axioms, and that, at an elementary level, we should limit ourselves to weak theories.