Tuesday 31 May 2016  
10h00 – 12h00  
UT3 Paul Sabatier, IRIT, Auditorium J. Herbrand

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Electing representatives

**Abstract:** As with many collective decisions, a group of people that wants to select some representatives may conduct an election to make its decision. What could go wrong? Elections-major and minor-occur every day, and while there are academic controversies about procedures, at least there has been extensive study. But the elections that are most common and best understood are those that produce a single winner. When a set of representatives is to be elected, a multi-winner election is almost unavoidable, yet there is no accepted methodology for conducting and assessing such a contest. This presentation describes the situation, recommends some procedures, and discusses their properties, including fairness and representativeness.