The main activities of the post-doctoral fellows will be:

- Enrich the Modelica language capabilities including new components based in the nonsmooth dynamical systems paradigm (complementarity, relay, multi-valued law).
- Perform the structural analysis of the hybrid systems mixing DAEs and nonsmooth dynamics.
- Implement a prototype that allows to generate simulation code for siconos from a Modelica description.

Skills

- Applied Mathematics
- Dynamical Systems
- Hybrid Systems
- Programming languages
Benefits package

- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave
- Flexible working hours
- Sports facilities

Remuneration

Gross income: 2653€