G-SCOP
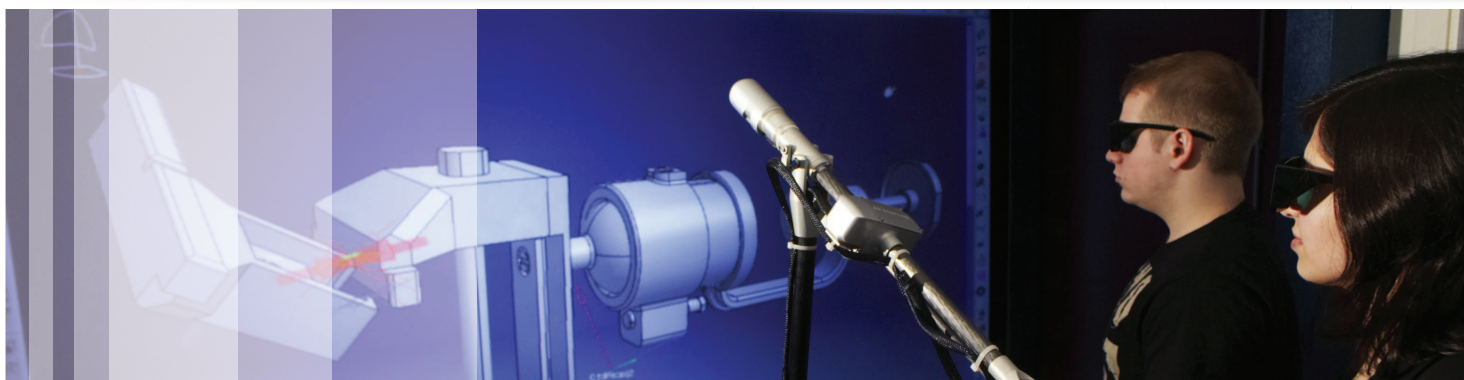### SCIENCES POUR LA CONCEPTION, L'OPTIMISATION ET LA PRODUCTION

CC TEAM
Collaborative Design

Understanding and supporting collaboration in (and across) design teams

Our research agenda focuses on the development of tools and methods for supporting distant or face-to-face collaboration and knowledge management in design teams or R&D departments.

Research Topics

- **Understanding of cooperation mechanisms in** and across organizations, design teams and communities of practice.

- **Development of methods and tools** for supporting distant and face-to-face interactions and knowledge management in communities of practice.

- **Development of software and hardware platforms** for testing new configurations and simulating design activity including HCI and devices that allow for a more intuitive use (augmented reality, mixed objects, etc.).

- **Participation in the theoretical** development of observation and analysis methods and development of experimental platforms.

Scientific Challenges

Development of interdisciplinary research on design practices:

- Through a human-centred multi-stakeholder and multi-expertise approach

- By helping to invent new collaborative practices especially during early innovation phases (including usage and services)

- By proposing disruptive approaches to collaboration through new virtual augmented reality environments that foster new collaborative practices

Special Features

- **Technological platforms:** development of an experimental and methodological setting dedicated to the analysis of collaborative design activity

- **Transfer to industry:** working closely with our industrial partners, our research projects lead to transferable results in the form of methodological tools. Patents are filed and methods transferred to industry. We also set up complex multi-company partnerships

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