

# Using human-animal social interactions to inform human robot interaction.

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If computers, and robots in particular, are to become truly pervasive in everyday human environments then we argue that we need to exploit our knowledge of social cognition from other disciplines to build more reliable, more naturalistic and more implicit mechanisms for automated perception and interaction.

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- ◆ This project has the long term aim of creating building blocks for constructing interfaces to **robotic** and other **pervasive** systems, which are naturalistic, unobtrusive and implicit.
- ◆ These interfaces will have the **affordances** and **behaviours** normally associated with social interactions with non-human creatures – attributes with which we are inherently familiar with due to our evolutionary history.
- ◆ We have expertise in dog-human social cognition, HCI and robot perception and are looking for both academic and industrial partners with expertise in **robotic device development** and **manufacture**.

