Research area:
Artificial social intelligence is an emerging field of research which essentially seeks to provide artificial agents with social awareness. Although AI systems perform well in tasks that the target is well-defined, they do not perform as well in dynamic situations such as interaction with humans that needs understanding of social context, social norms and socio-psychological cues. The field of Social Signal Processing (SSP) emerged as primary steps to give computers the ability to interpret human social signals (cues). SSP aims at understanding social interactions and predicting behaviours through modelling, analysis and synthesis of nonverbal behaviours (such as facial expression, vocalization, gestures, postures, eye movement, etc.).

Position & Requirements:
A funded PhD position is available in the Human Computer Interaction (HCI) group in the field of social signal processing and human behaviour understanding. The aim is to reveal human social/psychological attributes by analysing nonverbal behaviours using a multimodal approach (e.g. speech, face, eye-gaze and body) and applying machine learning techniques. A number of project areas of interest are available to be supported, but applicants are welcome to propose their own topic if relevant to the research area.

The successful applicant will have:
- Good programming skills
- Good knowledge of machine learning
- Some knowledge of signal/image processing
- Ability to work in an interdisciplinary field
- Good analytical skills
- Proficiency in English

How to Apply:
All applications should be sent to Gelareh Mohammadi (g.mohammadi@unsw.edu.au). Your application should include:
1. Motivation letter
2. CV, copies of all transcripts, degrees, English test result (if available) and publications (if any)
3. Names and contact details of at least 2 referees.
4. Research proposal (in case you are interested in a certain research topic)

Recommendation letters can be submitted along with the application, but are not needed at the time of application.