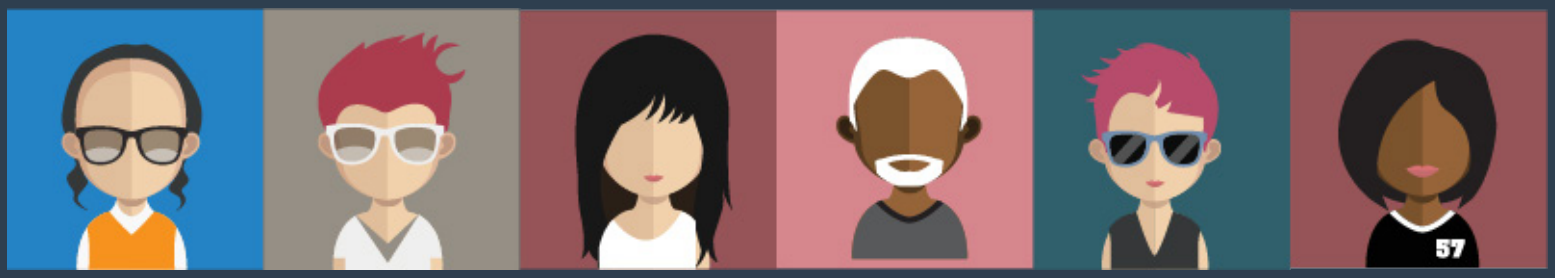
citizen-centric smart cities

creating technology to enhance the sense of community



Many cities around the world are now declaring themselves as “Smart Cities”, collecting data in digital form and using that data to manage assets, resources and people. Brisbane has a vision to become a smart city. That vision is motivated by: attracting and retaining business, attracting people with the skills to support business, and making the city more efficient and environmentally friendly.

There is another view of a smart city, one that increases the focus on people and citizens who live in that city. In that vision “urban citizens” are engaged and empowered to act, addressing problems that they think are important to their lives.

The focus of this course is to explore how this alternative view of a smart city can be made a reality through technology that aims to strengthen the social fabric of the UQ community.

The course aims to support learning outcomes in: design research in the development of technology; the development of technology; human-centred design; and HCI and design theory.

Some of the assessment in the course is aimed at supporting students participating in the ACM CHI2019 Student Design Challenge:

http://chi2019.acm.org/authors/student-design-competition/

How to be involved

If you are interested in participating in the course, please send short expression of interest to:

trevor.hunter@uq.edu.au

Your expression of interest should indicate your specific interest in the project.

Course Level

Undergraduate & Postgraduate Coursework

Units

2

Duration

One Semester (Summer)

Prerequisite

Permission Head of School

Desirable

DECO1100, DECO2500, CSSE1001

Course Format

The course will be conducted as a design studio. Students will work in groups as well as collaboratively with all participating in the course.

Assessment will consist of both group and individual items.

Contact requirements

This course is run in intensive mode. Therefore attendance will be required on the following days:

Wk1 Monday 26 Nov - Thursday 30 Nov

Wk2 Monday 17 Dec - Thursday 20 Dec

Wk7 Monday 14 Jan - Thursday 17 Jan

Wk8 Monday 21 Jan - Thursday 24 Jan

On each of those days, students are required to attend:

10am - 12noon AND 1pm - 3pm

For each day of attendance, students are expected to spend an additional 2-3 hours working on the project and assessment items.