



## **Navigating a Global Consciousness: A Young Surveyor's Future**

Kate Fairlie

(ex- ) Geoinformation Analyst, Shell UK

PhD Scholar

University of Technology, Sydney,  
Asia-Pacific Centre for Complex Real Property Rights

## **What is surveying...?**

What did you do last week in your job?

What do you like about your job?

What do young people want in their careers?

What is attractive about surveying?

## Mapping Mars

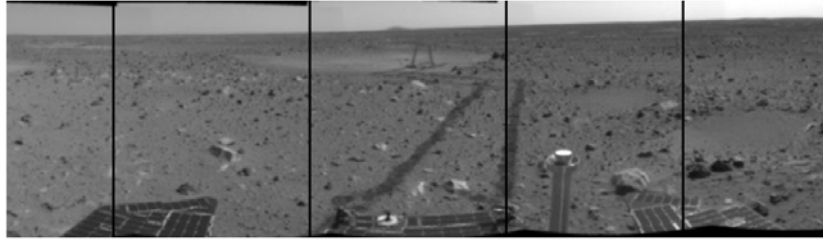
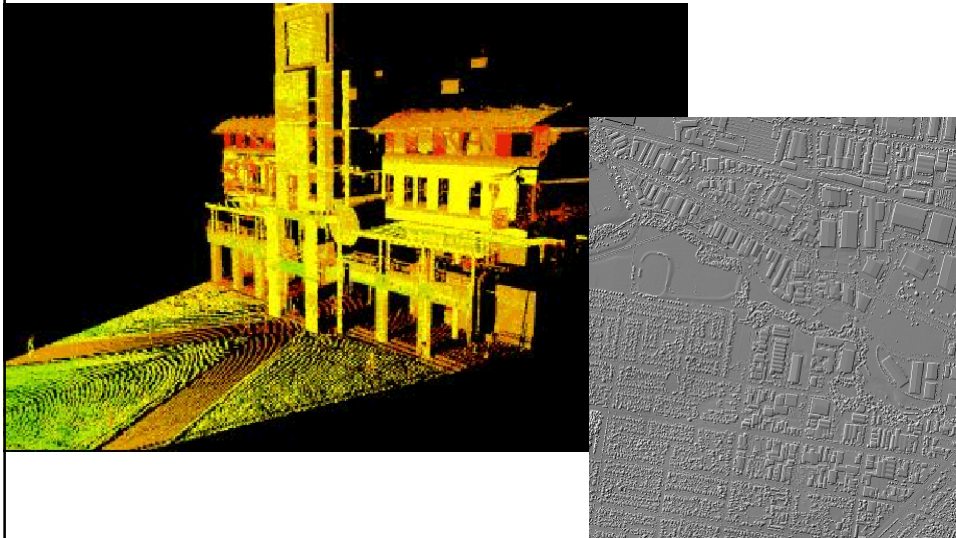
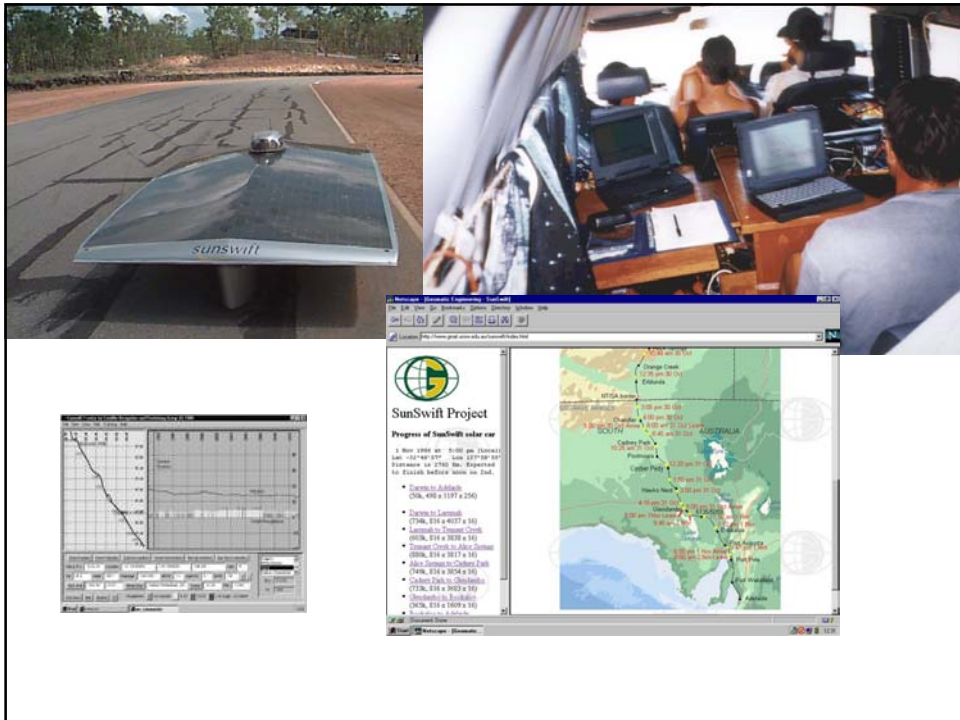


Figure 2. Overlap of typical Mars Navcam images

## 5. Photogrammetry and Laserscanning

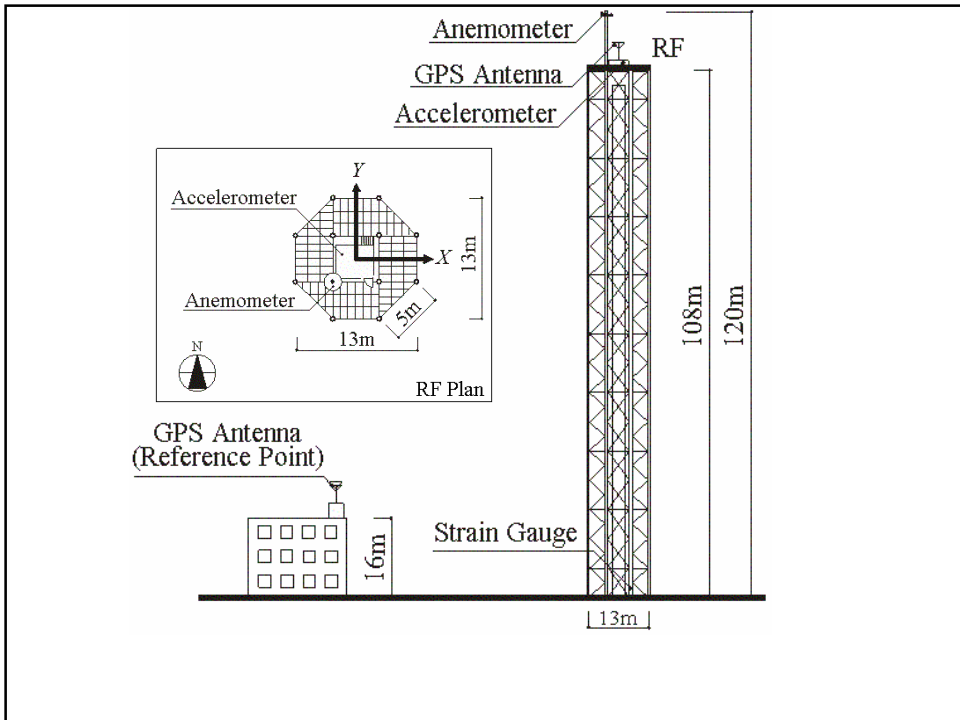


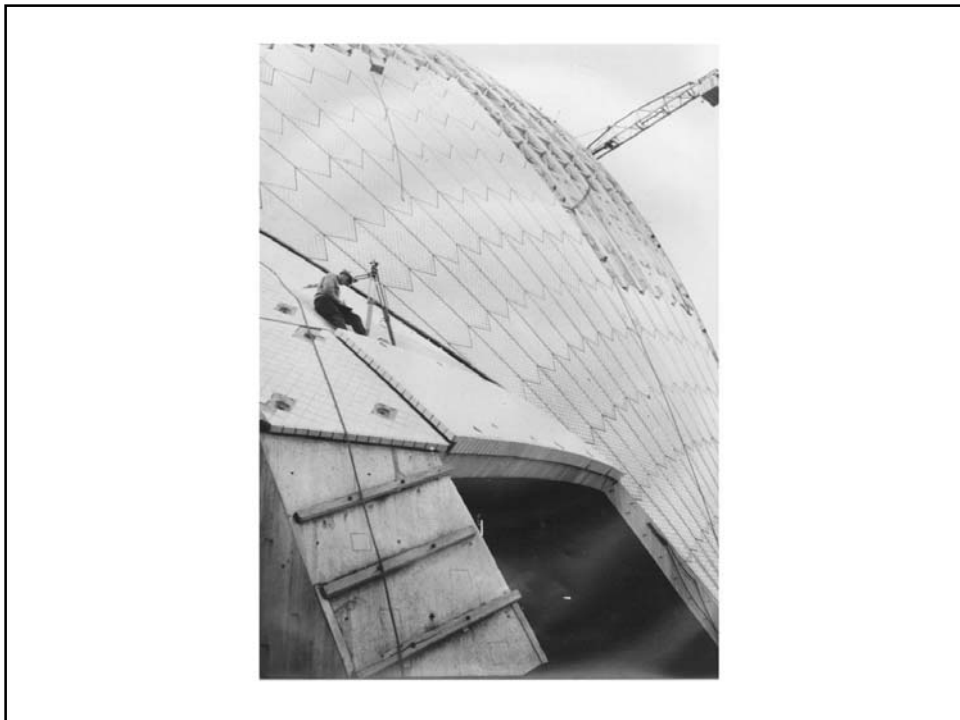


## TS Fork, Coonabarabran











## The Problem: *geographics*

### Where are the Young Surveyors?

Developed vs. Developing. Bologna process beyond education?  
Is it only surveying?



## The Problem: *what do we do???*

### **Mahoney et al. (2007)**

“The profession is changing and the number of competencies in which surveyors are actively involved is over 200”

### **Aydin et al. (2006)**

Turkey downsizing student numbers due to a lack of teaching staff

### **Statham et al. (2008)**

Canadian profession “without an efficient cohesive voice to respond to the profession’s key users in government, industry and the public”

## Regional: *Developed vs. Developing*

Low visibility

Disconnect between  
outdoor surveying and  
indoor analysis

One Surveyor = many  
talents

Good visibility!

Lack of skills

High ratio students to  
teachers – in need of  
experience

One Surveyor = many  
talents

*Credit crunch/Economy Crisis.....*



## FIG Young Surveyor *Network*

Upcoming generations can find ***information*** at the drop of a hat... but people?

You can't find experience.

## Marketing: Becoming visible

We need to market what we do.

How do we know what a doctor does?  
(Why do 5 year olds play nurses or want to become doctors?)

What do we have to market?  
Asian Tsunami; Chinese Earthquake, Australian bushfires  
Real Estate, Property Management  
Climate Change

Fewer surveyors, changing technology = broader work opportunities.

Let's use these ties! Inclusive promotion

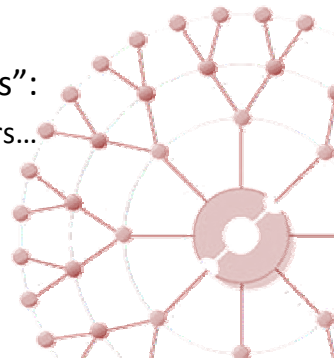
[Young Engineers Video](#)

## Marketing: Becoming visible



## Actions: Outreach

- Involve Young Surveyors: word of mouth
- Create FIG awareness;
- Share a united vision for surveying
- “integrate complementary abilities”:
  - Planning + Architects + IT + Engineers...
  - Academia + Industry: united front
- Network



## Actions: Technology

Key to our work environment, but the FIG?

### Communication is vital!

- Podcasts
- Teleconference
- Web communication
- Blogs etc.

**FIG2010 will use these technologies!**



## Importance of Networks

International, inter-cultural, inter-generational, inter-disciplinal

Skills crisis across IT, Construction, Engineering fields

Impact of 'Credit Crunch'

*Jamaican students learn laser scanning  
using VOIP and University of Melbourne!!!*

Changing face of surveying:

communication of evolving best practice etc.

Knowledge share

*States in the US don't talk to each other!!!*

# FIG Young Surveyors Network

## What are we achieving now?

### Aims:

- Increase Young Surveyor Participation
- FIG events
  - Speed networking
  - Marketing
  - Quarterly Newsletter
  - Additional Events eg. FIG2010 Young Surveyors Beyond Horizons
- Future Focus?
  - Continuing Professional Development (CPD)
  - Involvement: Professional organisation participation
  - Bologna process... and beyond?
  - Harness Technology: Web, podcast, communication

# Young Surveyors Beyond Horizons

## what?

- **Technical activities, across Australia, the week before FIG2010**



## why?

- **Encourage/Enable young surveyors to attend, learn new skills and network**



## For you to do:

- Do **you** know any **young professionals**?
- Sponsor/Contribute** to someone's attendance at **FIG2010** and **Young Surveyors Beyond Horizons Project**
- Tell us what you do! **Write** for our **newsletter**.
- Ideas? Help? Come talk to me!*

*Mentor. Connect. Sponsor. Employ. Advise. Chat. Communicate*



**Kate Fairlie**  
*kfairlie@gmail.com*

PhD Scholar, UTS  
*Asia-Pacific Centre for  
Complex Real  
Property Rights*

FIG Young Surveyor  
*Regional Coordinator*

FIG2010 Young Ambassador  
*Young Surveyors Beyond  
Horizons  
Project Coordinator*

**Who's coming?!**

Back up slides

## Time vs Money. Rewards vs Expectations

We need...

### **Structured support**

We are young and inexperienced

We have **enthusiasm**...but *perhaps* some help with **realism**

We need **mentors**, '**financiers**',  
Physical "***hands on decks***"

## Involving

FIG's aims: Advance the profession

Changing demographics; changing technology; changing times

What do we need? Awareness, clarity, involvement

- Newsletter**: hear about people involved
- Speed networking**: talk to people involved
- Young Surveyors Beyond Horizons**: GET involved

## Navigation from here?

Does your organisation promote young surveyors?

How are young surveyors involved?

Mentor. Improve our Network

FIG2010? Young Surveyors Beyond Horizons.

Why are we doing this? How do we fund this?

## Developed world:

Many surveying disciplines

Externally: what does a surveyor  
contribute to society?

Internally: disconnect between outdoor  
surveying and indoor analysis

## Key Messages:

- Acknowledged range of focii: students, young professionals, developed/ing world
- Increased interaction with adjacent associations
- Activities by YS Network
- Support required: time, finance, physical support



## Bologna process: Dissolving boundaries

But only in education.

Differences remain: eg. Sweden vs. UK vs.  
Germany vs. Bosnia vs. Turkey

EU yes but additions to EU

### CONTINUITY

How does this flow into surveying world

Work environment needs facilitation:

Role of FIG