

## Guerrilla video: helping teachers to reflect and learners to rewind

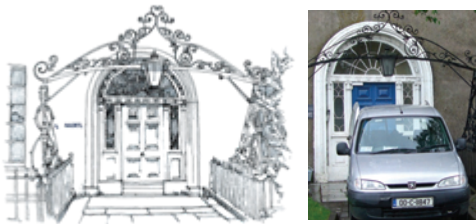
*Imogen Bertin, Jennifer Murphy, Robert Cosgrave,  
Uwe Schiller, Lawrence White and Paul Denby*



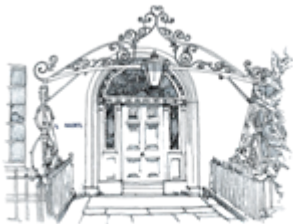
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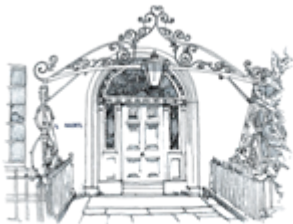
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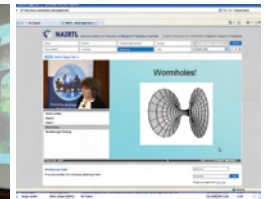
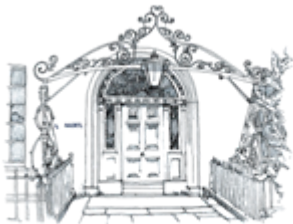
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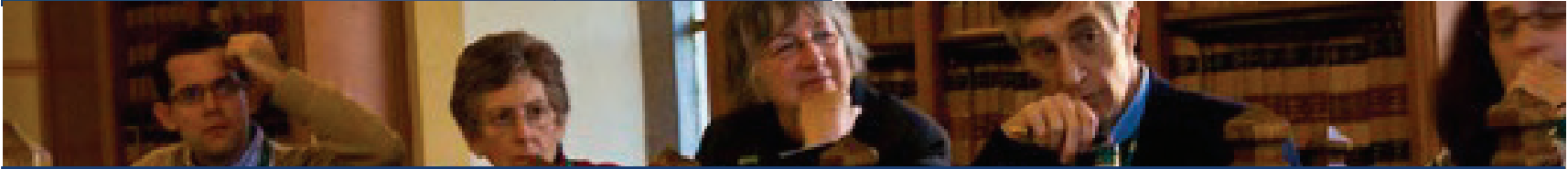
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## NATIONAL ACADEMY FOR THE INTEGRATION OF RESEARCH AND TEACHING AND LEARNING

- SIF-funded collaborative project between five institutions, aimed at enhancing research-informed teaching and learning in higher education
- Poor uptake of lecture capture despite space constraints and learner popularity
- Budget restraints

### State insists on jobs freeze at third level

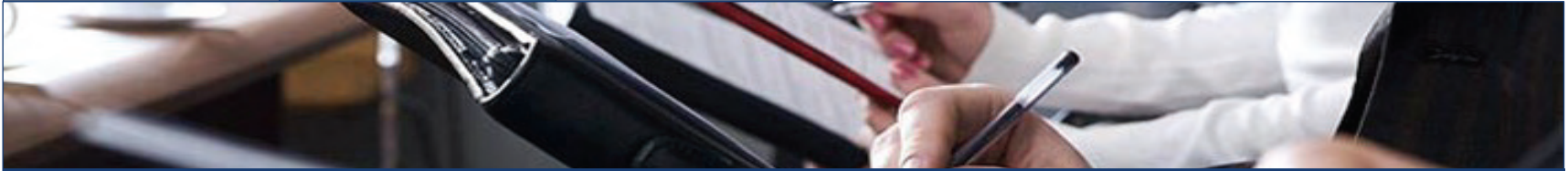
SEÁN FLYNN, Education Editor

THE GOVERNMENT has imposed a recruitment ban across the higher education sector and warned colleges that failure to comply will see them lose their funding.

In a related move, both UCC and UCD have been told their deficits totalling over €35 million will no longer be tolerated.

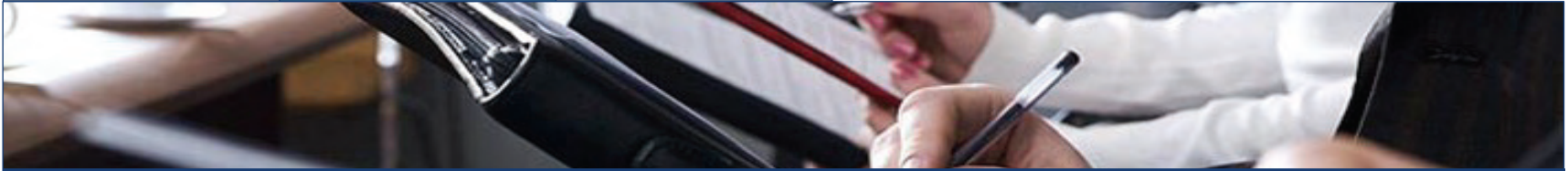
#### In this section »

- Nigerian report contradicts FGM claim of diplomat
- Paralysed tourist 'happy to be back'



## CONFLICTING ARGUMENTS ABOUT LECTURE CAPTURE

- “Erase and rewind” approach helps with complex material
- Learners access material when they cannot attend in person
- Effective tool for revision
- Opportunities for teachers to reflect on their practice
- ?Some systems unsuitable to interactive and mobile styles of teaching
- ?Lecture capture may reduce learner attendance in person

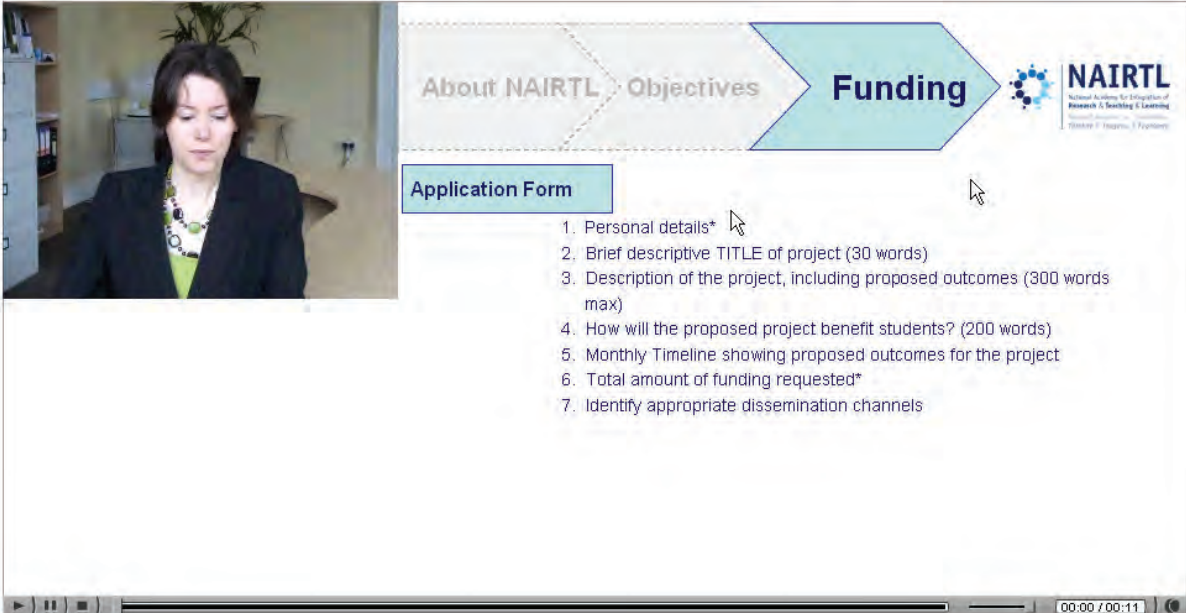


## USE AVAILABLE SKILLS AND EXPERIENCE...

- Own staff
- Cork Opera House lighting and sound technicians
- Brookfield campus AV – previously worked as a freelance cameraman
- Opportunities to disseminate our own activities and learn at the same time
- Opportunities to train our own staff and refine the system for easy use

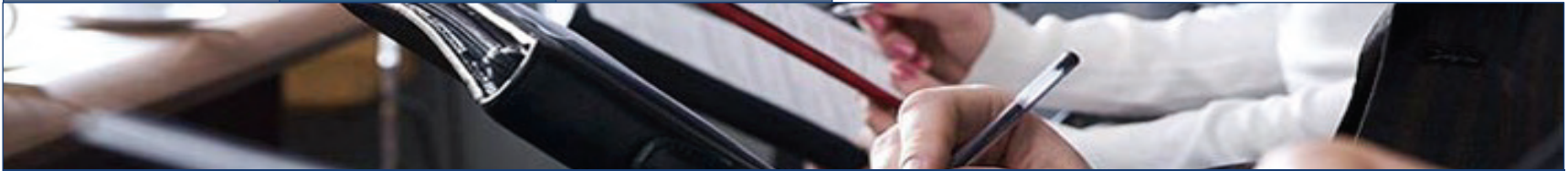
## SCENARIO 1: DESK-BASED RECORDING OF LECTURES USING WEBCAM

- There are many packages that can do this eg Proclaim, TED, Producer, Presenter etc. Camtasia's postproduction is longer than Proclaim



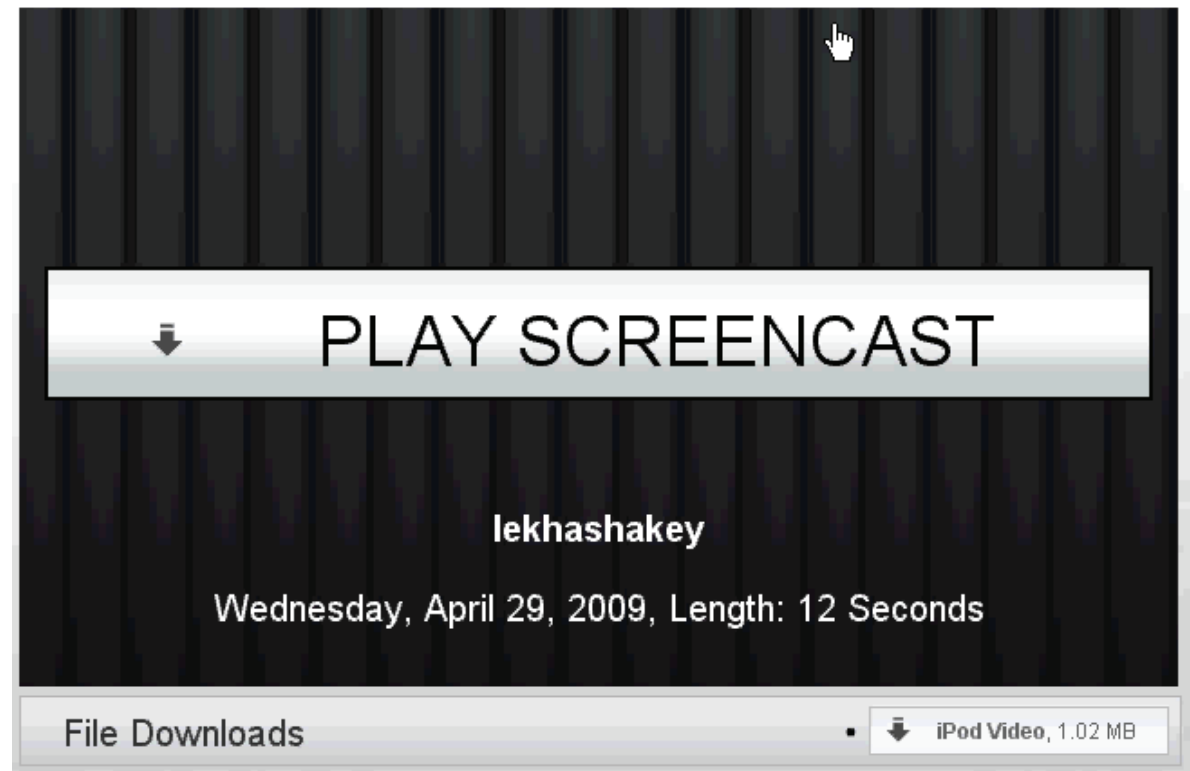
Application Form

1. Personal details\*
2. Brief descriptive TITLE of project (30 words)
3. Description of the project, including proposed outcomes (300 words max)
4. How will the proposed project benefit students? (200 words)
5. Monthly Timeline showing proposed outcomes for the project
6. Total amount of funding requested\*
7. Identify appropriate dissemination channels



## SCENARIO 2: INOBTRUSIVE HAND-HELD FILMING OF WORKSHOPS, FORUMS

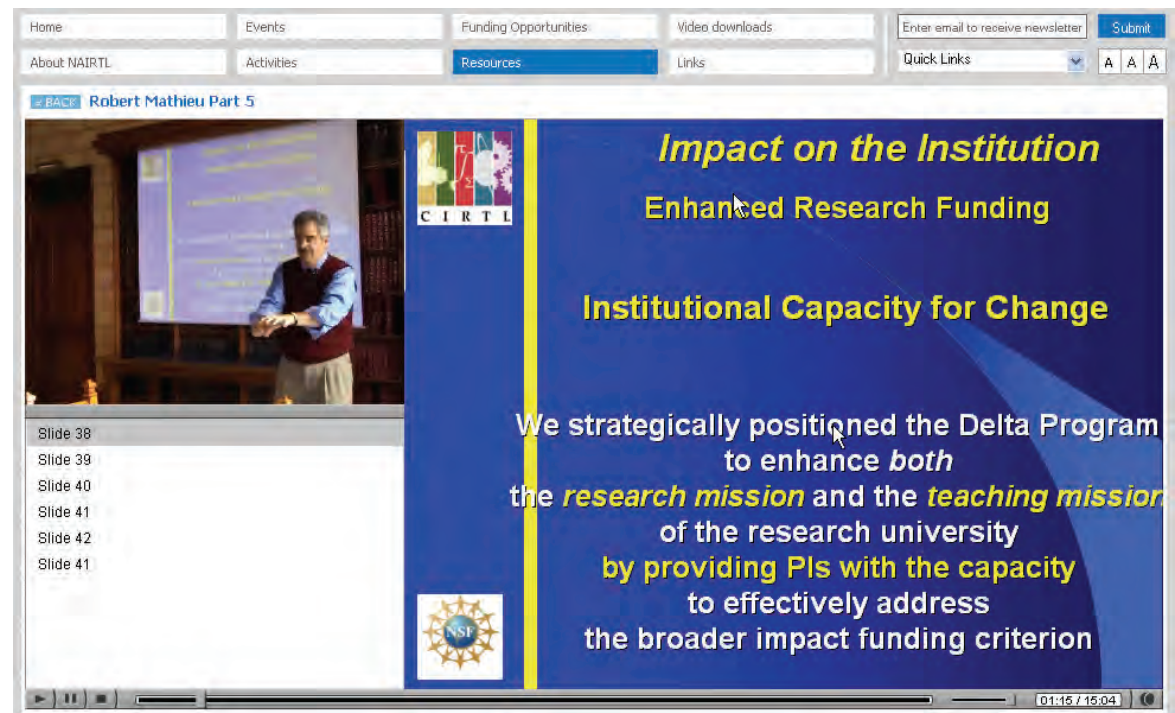
- Good for nervous subjects
- Can be wobbly or hard to hear





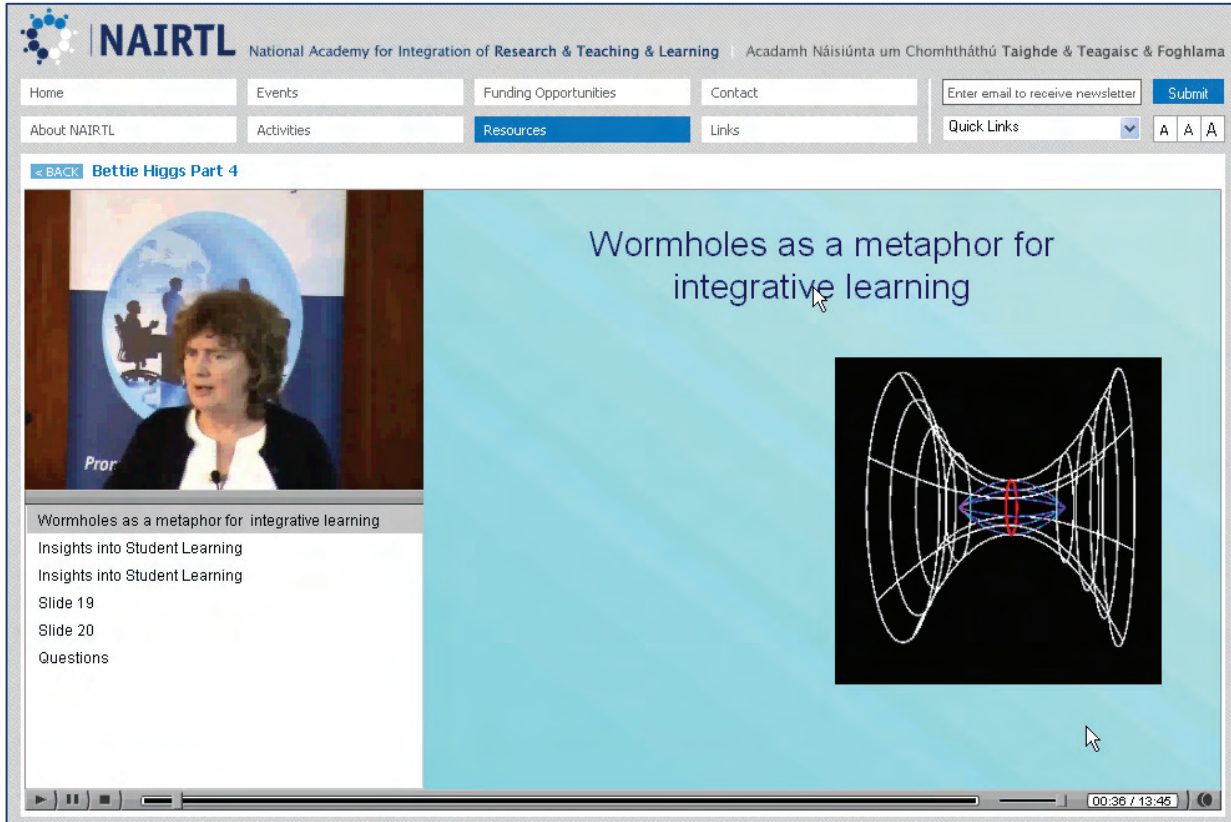
## SCENARIO 3: PORTABLE SYSTEM, 10 MINUTE SETUP FOR STANDARD CLASSROOMS

- Use lapel mic if background noise problematic
- Use camera tripod for stability



## SCENARIO 4: FORMAL LECTURE ROOM PRESENTATIONS eg VISITING LECTURERS

- Radio mics and lighting - compare with previous clip from same classroom
- Sync problems have improved latest version of Camtasia



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< BACK Bettie Higgs Part 4

Wormholes as a metaphor for integrative learning

Wormholes as a metaphor for integrative learning

Insights into Student Learning

Insights into Student Learning

Slide 19

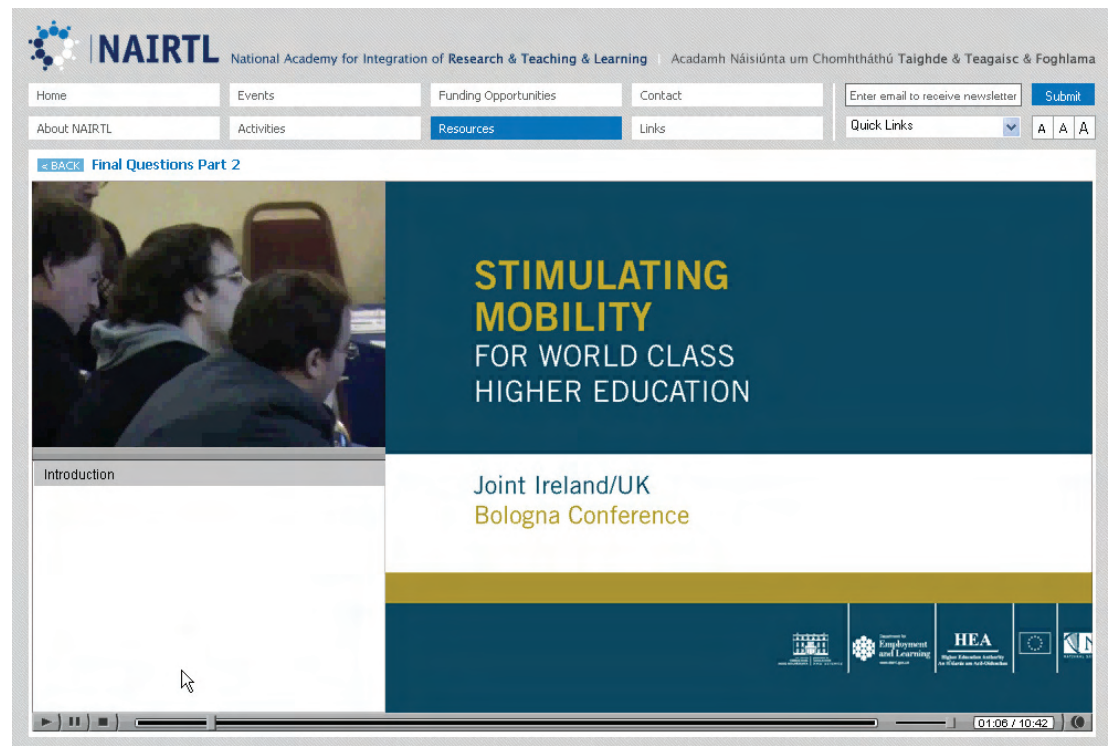
Slide 20

Questions

00:36 / 13:45

## SCENARIO 5: FULL CONFERENCE AND EVENT RECORDING

- PA system
- Backdrops
- Mics for speaker panel







## EQUIPMENT

- Full specification available on our website:  
<http://www.nairtl.ie/videquip>
- Can be operated by the lecturer unless lights and radio mics are needed, in which case a second person is needed.
- Wheeled flightcases towed using dogleads are a must when moving lights...
- Pull-up stand doubles as backdrop
- Output is pretty much anything you want – iTunes, slide graphics, mp3, avi, mov, wmv (wmv is useful for transcripts of talks). Whatever...
- Other software packages could easily be substituted for Camtasia eg Proclaim is probably more productive for narration work.



## THE LECTURER

- No extra burden except copying slides to 2 laptops
- Important to use a signed release form allowing distribution
- If using full lights and sound, request speakers 10-15 mins early for checks/focussing



## THE CLASSROOM

- Do a venue “recce” especially power sockets
- Place a notice on the door warning of filming
- Add a recording warning to the sign-in sheet
- Start recording slightly before you think...



## PROCESSING AND STORAGE

- Space on laptop: 100 Mb per hour of recording
- Post-production takes same time as recording
- Hosting requires about 50 Mb per 15 minute segment
- We found to our surprise commercial service was cheapest

## EVALUATION

- Comparison of in-person attendance with web-based and group viewing
- Unfortunately need a larger data set!
- Showcased at HEA events eg Peter Sutherland Erasmus lecture (do you like the echoes in City Hall despite using the official sound recording feed?)





## EVALUATION AND NEXT STEPS

1. Motivation is vital – some videos got 300 downloads, some only a handful
2. Encourage feedback using title and end frames of videos
3. Announce new material using Facebook and Twitter
4. More audio-only podcasts
5. Create 2-minute trailers
6. Introduce content tagging and tag clouds
7. Piloting a short course:  
communications skills for the new media age



## IN CONCLUSION

- Re-education is vital and goes hand-in-hand with pedagogy...
  - ✓ “research in this area has shown that students are pragmatic and sensible: if a lecture is really so bad that it can be replaced by an online handout, they will take the easy option... Lecturers who ensure their classes are varied, stimulating and richer than the handouts have reported no problems with declining attendance”. (UCL Learning Technology Centre)
- We hope to do an extended comparison project using a class of well-motivated, IT-literate process engineers



## A SHORT QUIZ IF TIME....

- Name any one of Peter Sutherland's great universities of Europe.
- What is Bettie Higgs' favourite threshold concept?
- Name one acceptable method of disseminating results for recipients of NAIRTL grants.
- What question did Bartley Rock want answered about student mobility?
- What American catch phrase does Bob Mathieu like?