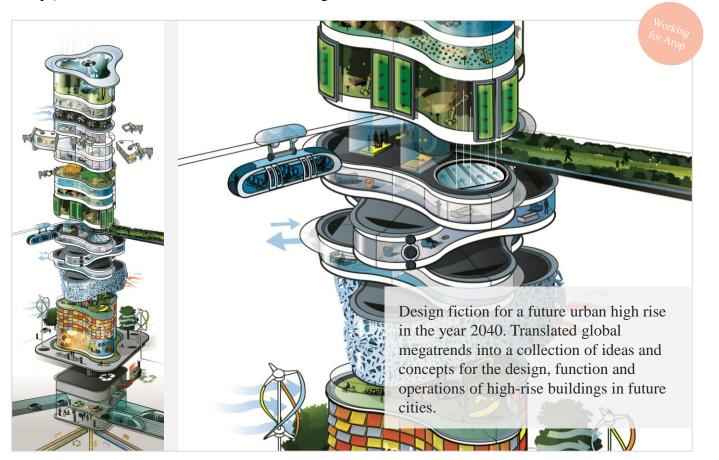


Arup Foresight + Innovation + Research

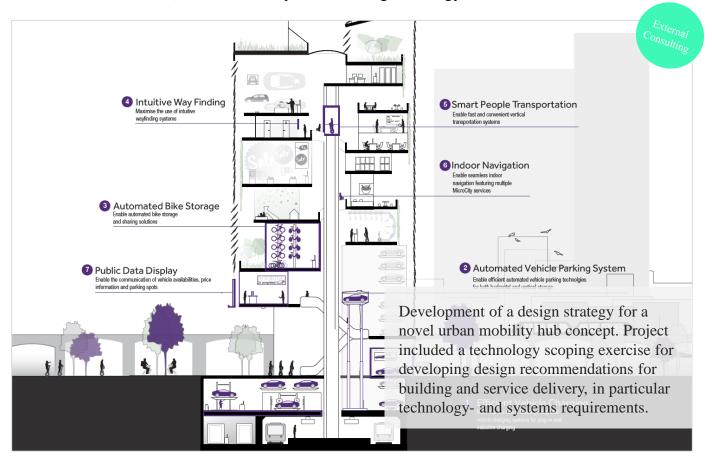




Arup | It's Alive – Future of Urban Buildings



Vehicle Manufacturer | Urban Mobility Hub – Design Strategy

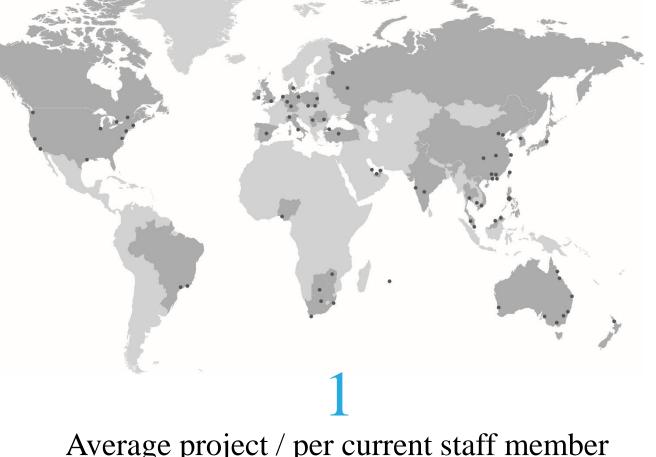


11,200

Education Projects Globally

1354

Education Projects Regionally



Average project / per current staff member

change is constant



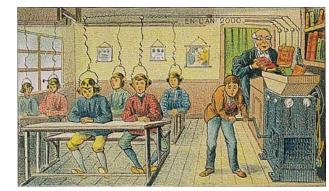






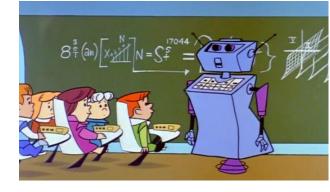
change is constant, context is variable





PUSH-BUTTON EDUCATION Temorrow's schools will be correspondingly fewer. Plans for a push-button school have already been proposed by Dr. Simon Harno, science faculty member at California Institute of Technology. Teaching would be by means of sound movies and mechanical tabulating

machines. Pupils would record attendance and answer questions by pushing buttons. Special machines would be "peared" for each individual student so be could advance as rapidly as his abilities warranted. Progress records, also kept by machine, would be periodically reviewed by skilled teachers, and personal help would be available when necessary.



Campus of the Future paper







- Students of the future
- Changing the delivery of higher education
- Physical facilities and learning environments
- Skills needed by future employer



Students of the future

- 1.18 year olds of the Future
- 2. Greater Diversity
- 3. Mature Students



Students of the future will:

- Want educational experiences that integrate immersive, experiential nature of computer gaming
- Expect on line access to colleagues, peers and faculty staff
- Expect instant access to learning materials
- Want to enter job market with a set of transferable skills giving career flexibility over time

Students of the future will:



Design Lab- University of California

- Anticipate (volatile) at best or adverse (at worst) global economic conditions
- Not expect to find work easily and are prepared to compete in a tight market
- Do not have faith in government of public pension plans
- Expect to remain agile and not remain long with any employer
- Anticipate the need to travel for opportunities

Students of the future

- 1.18 year olds of the Future
- 2. Greater Diversity
- 3. Mature Students



Population Growth in Australia (Source Australian Bureau of Statistics)

- 1 birth every 1 min 44 seconds
- 1 death every 3 mins 27 seconds
- A net gain of 1 international migration every 2 mins 13 seconds

Leads to an overall population increase of - 1 person every 1 min 21 seconds



Students of the future

- 1.18 year olds of the Future
- 2. Greater Diversity
- 3. Mature Students

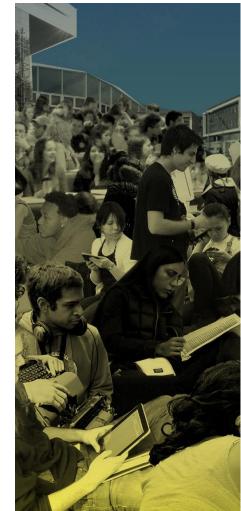


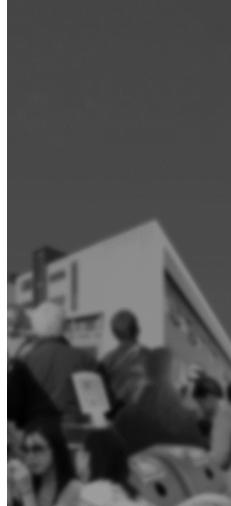
University of Derby example from campus paper





Changing the Delivery of Higher Education







- 1. Technology Enabled
- 2. Connected
- 3. Flexible
- 4. Resource Rich
- 5. Collaborative
- 6. Experiential

Southeastern Louisiana University example from campus paper



- 1. Technology Enabled
- 2. Connected
- 3. Flexible
- 4. Resource Rich
- 5. Collaborative
- 6. Experiential







- 1. Technology Enabled
- 2. Connected
- 3. Flexible
- 4. Resource Rich
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- 6. Experiential

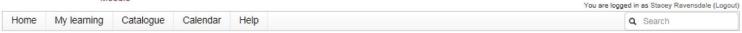


- 1. Technology Enabled
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- 1. Technology Enabled
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- 3. Flexible
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Arup University













Changing the Delivery of

- 1. Technology Enabled
- 2. Connected
- 3. Flexible
- 4. Resource Rich
- 5. Collaborative
- 6. Experiential



UdN International Summer School 2011

ClimateCultures — The Survey of the Everyday

Final Presentations, Friday 26/08/2011, 10:00 am, are public!

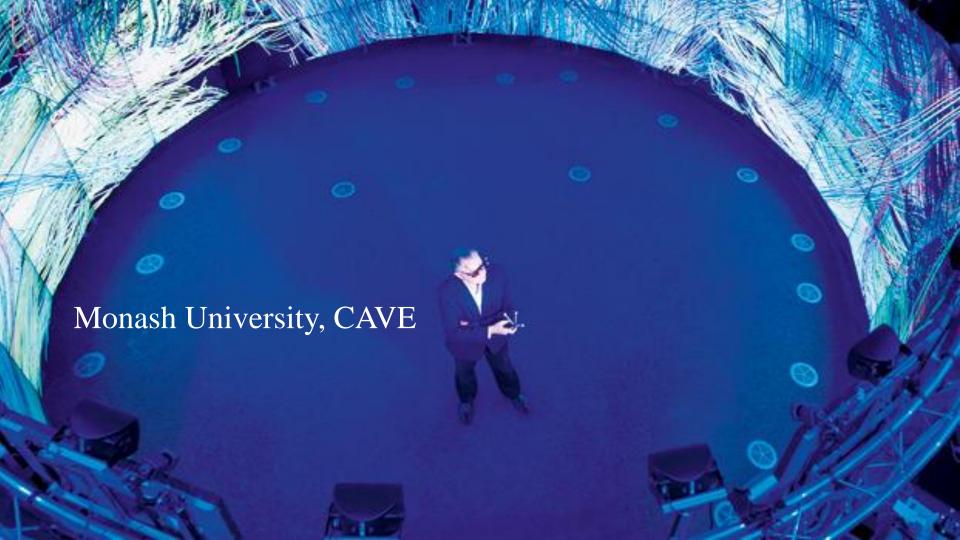
Come and join.

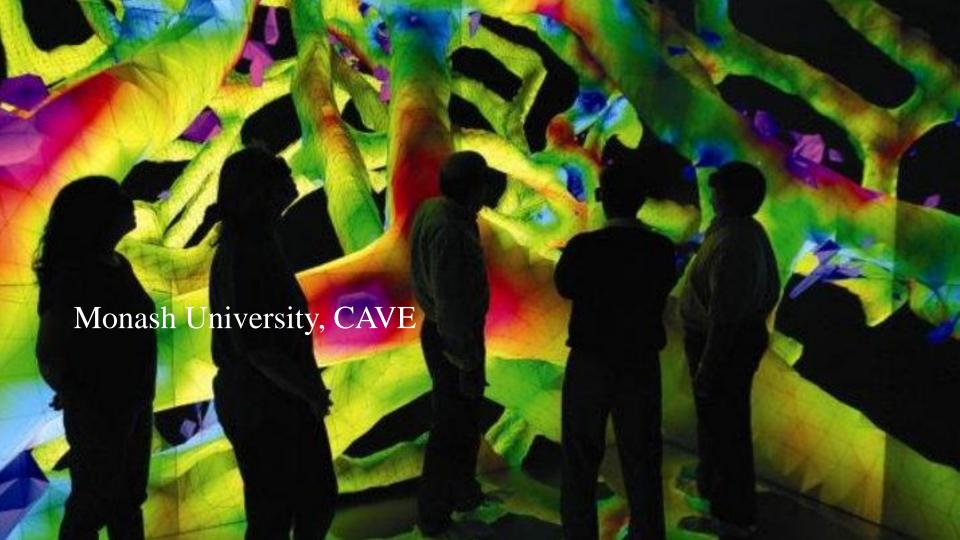
Kommen Sie und diskutieren Sie mit uns.

Wir laden Sie herzlich zur Ausstellungseröffnung der UdN Summer School 2011 ein, sowie zum anschliessenden Sommerfest.

Zeit: 17:00 Uhr

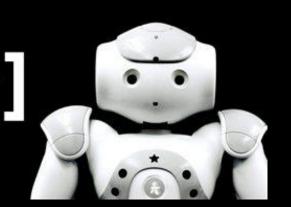
Ort: Universität der Nachbarschaften in Hamburg, Wilhelmsburg, Rothenhäuser Damm 30, 21107 Hamburg





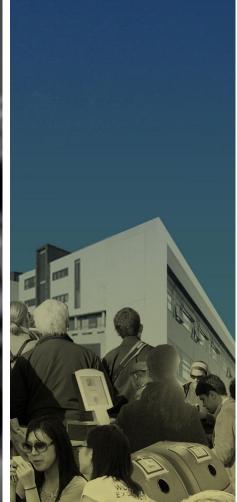
Artificial tutors with human capabilities

Empathic robot tutors in classrooms to facilitate teaching and learning



Physical Facilities and Sustainable Learning Environments







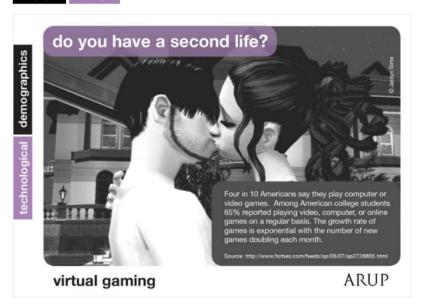
drivers of change

demographics

virtual gaming

demographics

technological



virtual gaming

JupiterResearch estimates that the massively multiplayer online games (MMOG) industry generates revenues of US\$350bn a year, and occupies about nine hours a week for the typical player. Most games are between the ages of 18 and 34. MMOG games fall into four genres:



raphic

ISSUES

social

changing households ageing population obesity social media urban migration

technological

bionic humans brain plasticity genetic screening virtue engineering virtual gaming

economi

dependency ratios two-speed society womenomics labour gaps chronic disease

environmental

climate change consumption impacts motorisation environmental refugees desertification

political HIV/AIDS

resource conflicts food industry primary needs

undocumented labour

Virtual Campus

DRIVERS OF CHANGE SETS

climate change convergence demographics









Global Change Institute
University of Queensland



Tyree Energy Technology Building University of New South Wales





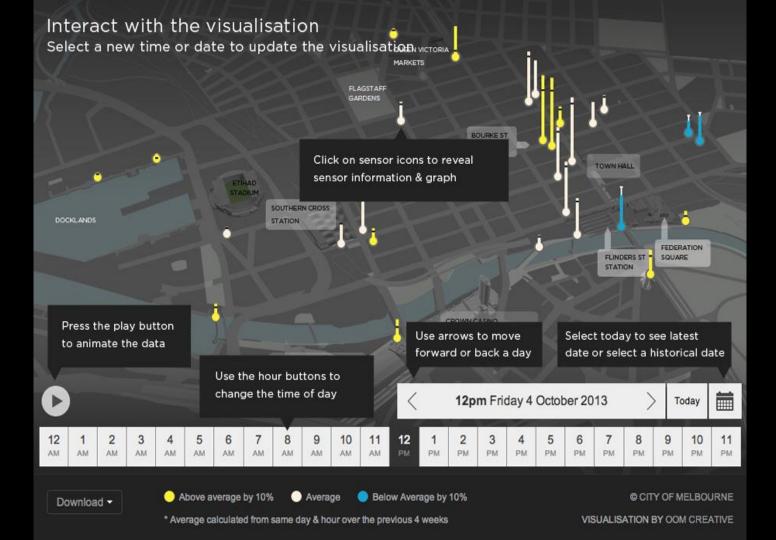
Clinical Practices Building
James Cook University,
Cairns



Architecture School of design
University of Melbourne



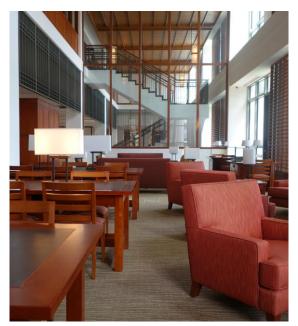
Dr Chau Chak Wing Building University of Technology New South Wales







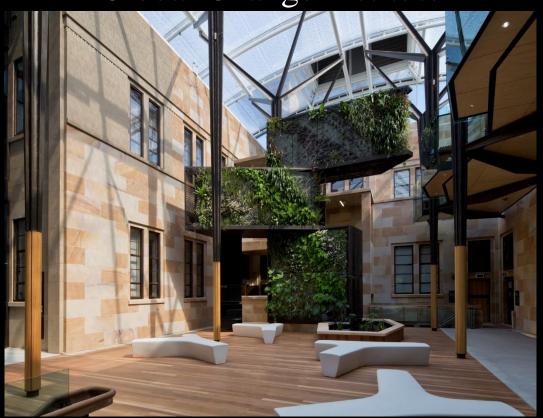
YALE Campus NUS - Singapore







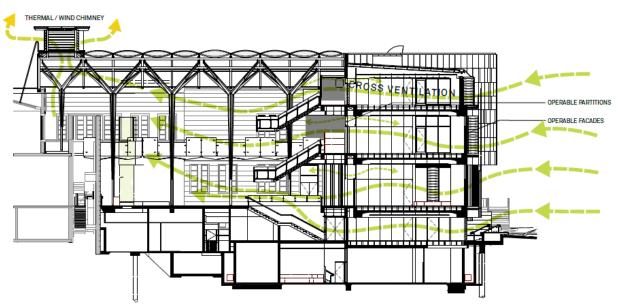
Case Study Global Change Institute





Natural ventilation

Designed to operate in natural ventilation mode for 88% of the year









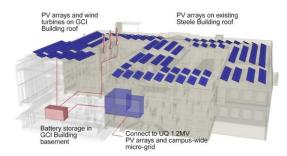
Global Change Institute





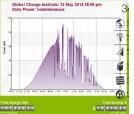


- ETFE Roof Geopolymer concrete
- Biofiltration wall PV and Batteries











Future Skills Needed in the Marketplace



Future Skills Needed in the Marketplace

- 1. Industry Requirement
- 2. HEI Response
- 3. Corporatised

De Vry University in New York



Future Skills Needed in the Marketplace

- 1. Industry Requirement
- 2. HEI Response
- 3. Corporatised

IE SMU MBA



IE-SMU MBA











12 Months



The MBA that connects Europe and Asia

The 21st century has been labeled by many as the 'Asian Century' as many more nations and businesses in the region become bigger players globally. IE Business School and SMU offer an MBA that covers the very best of business management with a distinct Asian perspective. The program combines online learning with five short faceto-face periods in Singapore and Madrid.

• REQUEST MORE INFORMATION

Obtain a global curriculum and an Asian perspective

This MBA program is aimed at experienced professionals looking to expand their horizons and gain a greater insight into Asian markets and businesses. The program brings together a world-class faculty from IE Business School, ranked by Financial Times as the No 3 business school in Europe, and Singapore Management University (SMU), one of the most prestigious management universities in Asia.

The curriculum is aimed at developing a number of key skills needed to succeed on the global stage. Courses include Business Strategy and Global Context, Strategic Management in Asia, Leadership, and Managing Innovation and Growth.

The IE-SMU MBA follows a blended methodology combining face-to-face periods with continuous online study. Students meet in Singapore and Madrid on five occasions. The rest of the program is taught via the Virtual Campus, offering the opportunity to gain a world class MBA while also being able to focus on your professional and personal life.



'The best part is the diversity my classmates have brought to the class. The discussions are so enriching and I get to learn how a very simple subject is viewed very uniquely in different industries"



"This MBA is a bridge Wherever you want to go in the world, from Asia to North-America, from Europe to South-America. this MBA will open any



'Having this sort of unique me to concentrate on both my education and my full time job. It is the way all relevant schools are moving forward and I want to stay ahead of the curve"

Future Skills Needed in the Marketplace

- 1. Industry Requirement
- 2. HEI Response
- 3. Corporatised

Corporatised Curricula

"The reform of education and the future of work are intertwined and being perceived as such will allow for the creation of an interactive collaborative atmosphere with immediate feedback and development.

I think that when you look at what's going to be happening in higher education in the next 20-30 years and the pressure to do public private partnerships you're going to see more and more private entities working with universities"

Provost Doris Helms of Clemson University



- Students of the future
- Changing the delivery of higher education
- Physical facilities and learning environments
- Skills needed by future employer



Future Campus Narratives





