



Spatial Agency Of Humans

GBE Lectures
LSBU 2016
RIBA Part 1 Year 3

Semester 1, Technology 2

- i.e. Bachelor BA3 students Third year
- Monday 24 October (11.00-13.00am)
Room T214
- Tutor: Andrew Stoane
- Lecture 1: Andrew's brief to me

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So far I have given 3rd year 2 lectures.

- The second was about infrastructures, systems and devices for pedestrian movement (manual and mechanical) and the various experiential phenomena associated with them.
- We also discussed a little about automated building systems versus manual operations, really with a view on spatial agency of humans.
- Maybe following on from this you could pick up in more detail on such systems – computer heating, lighting, solar, ventilation control etc.

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Spatial Agency

- Spatial Agency is a project that presents a new way of looking at how buildings and space can be produced.
- Moving away from architecture's traditional focus on the look and making of buildings,
- Spatial Agency proposes a much more expansive field of opportunities in which architects and non-architects can operate.
- It suggests other ways of doing architecture.

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In the spirit of Cedric Price

- the project started with the belief that a building is not necessarily the best solution to a spatial problem.
- The project attempts to uncover a second history of architecture, one that moves sharply away from the figure of the architect as individual hero, and replaces it with a much more collaborative approach in which agents act with, and on behalf of, others.

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Herman Hertzberger

- Central Baheer Apeldoorn Holland
- Office building with communal services and shops in ground floor mall
- Staff can go about their business over lunch hour or before and after work
- Community facilities in ground floor mall
- The high street in your office

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In Holland

- Designed buildings where the owners/occupiers designed the elevations
- Student accommodation became famous for it
- The pallet of materials may be up to the designer to set boundaries
- Making the building sound construction and weatherproof is essential

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- An architectural Practice
- Creates a website for every project/town
- Researches materials/products/waste arising in the area
- Documents it for all to engage in more of the same
- Designs buildings with what is available

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Bill Dunster BEDzed

- Sets a mileage limit for procurement of materials for projects
- Including second hand
- 30 miles from site is a good example
- On the outskirts of London that's a lot of companies
- Some products break the 30 mile rule
- UK does not make much anymore
- UK does not make all things very well

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UEA University of East Anglia

- Architectural Competition for new building
 - Brief: Passivhaus and BREEAM Excellent
 - Low carbon: Bio-based
 - Architype developed a Bio-based and reclaimed directory for EofE
- 24/10/16 Used as many as possible 10

Community Architecture

- St. Rod Hackney became President of the RIBA for it
 - His practice worked in the community that refurbished their own
 - Worked with occupants to design their spaces
 - Worked with them to carryout the work
 - One or two years maximum or they were burnt out
 - Reclaimed and reused materials
 - Repaired and refurbished building and components
 - Earned an hour on the Shot-fired nail gun by doing a weeks work
- 24/10/16 AJ produced a manual over many weeks 11

Public consultation

- Developers show the design and ask for feedback
 - Then ignore it (Fiduciary rules apply)
 - (An obligation to make a profit for shareholders)
 - Architects show their design and ask
 - Do you like my architecture
 - Better still ask the community before you start
 - What they want and need
 - What works and does not about the existing
 - Ask and mean to engage
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Consumer mobilisation

- Social media campaigns,
 - Community power,
 - Consumer pressure on companies,
 - Civil disobedience,
 - Civil disruption,
 - Transition towns
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CSR Corporate Social Responsibility

- ISO 26000:2010
 - Voluntary guidelines for social responsibility (SR)
 - Its goal is to contribute to global sustainable development,
 - by encouraging business and other organizations
 - to practice social responsibility to improve their impacts
 - on their workers, their natural environments and their communities
 - Fiduciary rules do not always prevail
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Open Data (in the world of BIM)

- We now have information technologies and
 - a global data infrastructure that will accelerate us towards evolution allowing us to remake the industry in novel, but desperately needed, ways;
 - transforming an adversarial self-serving Construction Industry into a low cost, low carbon Built Environment industry that sustainably serves society.
 - Paul Fletcher explains why the industry has been in accommodation for so long,
 - what BIM heralds for adaptation and, in the era of Big Data,
 - how the industry has a real opportunity to evolve (Paul Fletcher 2012)
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Jessie Baker

- Structural Engineer trained
 - Encouraged to attend RCA
 - Wanted to give power to consumers over retailers
 - SmartPhone App to scan objects on shelf interrogate internet and return data in seconds
 - To enable choice based on company ethics and product environmental credentials
 - Amazing portfolio and 3 TED talks
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• Britta Riley

- R&DIY
 - The founder and spokeswoman at the hub of
 - Indoor Window Farms project.
 - Open Source Collaboration,
 - http://www.ted.com/talks/lang/en/britta_riley_a_garden_in_my_apartment.html
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Open Source Collaboration

- Like IT Open Source Collaboration, that develops free software,
 - by many people with expertise in different areas contributing to one task,
 - 'the whole being greater than the sum of the parts'
 - In the case of the Indoor Window Farms project,
 - a description of an idea complete with all its weaknesses,
 - was released on the Social Infrastructure of the internet with an invitation to people with ideas for improvement to come forward.
 - Within a short period 18,000 co-developers world wide are developing the low impact solutions to improve the original idea,
 - either with new ideas or testing those new ideas;
 - where there are many options,
 - many trials will find the optimum solutions.
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Self-Build

- Self-Build Self-Manage Self-Procure
- Without a builder make it yourself
- Without a site agent or a project manager
- With or without sub-contractors
- Unskilled but care
- Can be better than skilled and don't care
- or skilled but not permitted to care (fiduciary rules)
- Custom build
- DIY

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Children in Control

- Children driving parents to improve,
- School curriculum:
 - pupils taking over the running of schools

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Ownership of Space

Next Seminar

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Controls

Last week

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- **These files are created by generalists with a big dollop of green flavour**
- **These files are updated from time to time**
- **We are not experts so from time to time these file may get out of date or may be wrong.**
- **If you feel that we have got it wrong please let us know so we can put it right**

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- **Brian Murphy BSc Dip Arch (Hons+Dist)**
 - Architect by Training
 - Specification Writer by Choice
 - Environmentalist by Actions
- **Greening up my act since 1999**
- **Founded National Green Specification 2001**
- **Launched www.greenspec.co.uk 2003**
- **Created: GBE at www.greenbuildingencyclopedia.uk 2015**
- **E BrianSpecMan@aol.com**
- **Twitter: <http://twitter.com/brianspecman>**
- **Facebook: <http://www.facebook.com/brianspecman>**

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