Professional Ethics

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Introduction

- Professional Ethics
- Rules for Professional Conduct
- Evidence basis for Government policy
- Disaster investigations
- Experiential learning
- Concluding thoughts

Scope

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Professional Ethics

- Royal Academy of Engineering and Engineering Council

- Royal Academy of Engineering: ***Engineering ethics in practice: a guide for engineers*** 2011
  - Statement of ethical principles
  - Accuracy and vigour
  - Honesty and integrity
  - Respect for life, law and the public good
  - Responsible leadership: listening and informing

Advice on Ethical Conduct

- Sustainability and the Environment
- Risk
- Preventing Disasters
- www.structural-safety.org/ incorporating SCOSS and CROSS
- Whistleblowing

Professional Judgement

- Decisions have to be made despite the absence of some of the facts
- Past risks and statistics can be a poor guide to future risks
- Climate change challenge needs innovation

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Six Rules of Professional Conduct

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Evidence basis for Government policy

Issues:

- Climate Change
- Energy policy
- Carbon budgeting
- Building Regulations
- Fire Regulations
- etc

Role of universities

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Report of the Independent Inquiry into the Construction of Edinburgh Schools

February 2017

Professor John Cole CBE

‘The procurers of buildings need to consider whether the drive for faster, lower-cost construction may be being achieved to the detriment of its quality and safety’

Disaster investigations

- Need to learn lessons from previous disasters
- Grenfell Inquiry

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Constructionarium

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Concluding thoughts

- Public interest and safety
- Application of professional judgement
- Professionalism

Thank you

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