

CS-M00 Research Methodology

How to Give a Great Presentation

Anton Setzer

<http://www.cs.swan.ac.uk/~csetzer/lectures/researchmethodology/14/index.html>

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- 1 What's the Goal of a Talk?
- 2 How to Prepare Slides
- 3 How to Structure a Talk
- 4 Designing a Talk
- 5 How to Prepare Before a Talk
- 6 How to Perform a Talk

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Do you Want Approval?



Do you Want to Dominate your Audience?



Do you Want to Stay Safe?



Hold on - This was all about ...

Didn't you forget something?



Your Audience!



The Goal of Talk should be ...



... to **transmit** knowledge, your message,
... to your audience.

You have something to say !



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- Use big font.
- Not small font.
- Use colours which **readable**.

- Don't use too many colours (maximum 4 different combinations of colours-fonts-sizes).
- **Otherwise it looks confusing.**
- Consistent colour scheme throughout the presentation:
 - **Headlines**
 - **Emphasised words**
 - **Repetition from previous slide**
 - **Definition**

Restrict Content

- No more than 7 lines per slides.

Only Write Well Structured Text

This slide is quite unreadable, because it is a long boring text without any structure. It is hard to read, especially if it is shown only for 50 milliseconds. Most of the audience will not even make an effort to try to read it. However one can see such kind of text often, because some presenters simply make a copy of the text of their report.

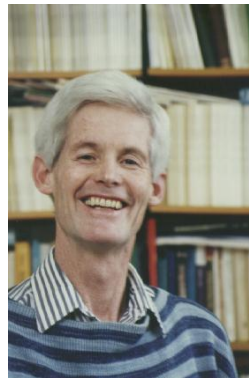


Stephen Cook (Toronto)

Introduced 1971 the
Complexity Classes **P** and **NP**
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Having **too many effects** **doesn't** look good



Don't Spend 10 min on a Software Demo

```
class Nat{  public NatElim el;
  Nat(NatElim el){this.el = el;};
  public Object elim(NatVisitor visitor){return el.ap(visitor);};
  public static Nat Z(){return new Nat(new NatElim(){
    public Object ap(NatVisitor visitor){return visitor.zeroCase();});});};
  public static Nat S(final Nat n){return new Nat(new NatElim(){
    public Object ap(NatVisitor visitor){return visitor.succCase(n);});});};
  public String toString(){
  return (String)elim(new NatVisitor(){
    public Object zeroCase(){return "Z";};
    public Object succCase(Nat n){return "S("+n+"");};});};
  public Nat plus (final Nat n){
  final Nat this1 = this;
  return (Nat) n.elim (new NatVisitor(){
    public Object zeroCase(){return this1;};
    public Object succCase(Nat m){return S(plus(m));};});};
};}
```

... that doesn't work

... especially if you change code during the lecture

A Little Trick

- Remind latecomers about your **name** and the **title of your talk**.
- In the Footer.

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In a talk

- you tell the audience what you're going to say,
- say it,
- then tell them, what you've said.

(Dale Carnegie)

Basic Structure

- Title Slide.
- Maybe Motivation.
- Table of Contents.
- 3 - 4 Parts.
- Conclusion.

Title Page

The Gower Peninsula

Prof. Dr. hc. mult. Anita Flowerlove





The Problem of Pollution

- ① The Beauty of the Gower.
- ② The problem of pollution.
- ③ Measurements by the government.
- ④ Our proposal.

Section 2: The Problem of Pollution

Signpost clearly when moving to a new section.

Conclusion

- Last chance to sell your work!
- Remind audience of what you did.

Top Down Approach

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- Start with your message
In this talk I demonstrate the dangers of pollution in the Gower Peninsula, the measurements of the Government, and our solution.
- Create sections from your message:
 - 1 The Beauty of the Gower.
 - 2 The problem of pollution.
 - 3 Measurements by the government.
 - 4 Our proposal.

Tow Down Approach

- Do the same for each section
- until you have reached individual slides.

The Time Issue

- Don't have too many slides.
- 24 slides per minute is a film.

- Practice, practice practice
 - On your own
 - In front of a trial audience.

- Have prepared short-cuts.
- Have hidden slide, you can use if you have more time than expected.
- Finishing too early: **No message to tell.**
- Finishing too late: **bad speaker.**

Interaction

- Ask questions to audience.
- Ask a question which makes them raise their hands.
- Make a joke (not a strong one).

Strong Beginning and End

- Prepare
 - a strong beginning,
 - and a strong ending.
- Audience will remember those two parts most!

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- Trial Talks
- Trial Talks
- Trial Talks

Notes

- Take with you
 - the first or first two sentences,
 - the last sentence.
- Write it on cardboard.
 - paper exaggerates your nervousness.
 - you can hold on to it.
- Don't take with you a script of the whole talk.

Exercises

- Do exercises such as Yoga, Qigong, Relaxation CDs etc. for
 - dealing with nervousness,
 - getting you into a high energy state.
- Try it out beforehand!
- A healthy level of nervousness can be good!

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- Dress a little bit better than normal.
- Don't overdress.
- Don't underdress.

Time Keeping

- Put a clock in a good position.
- Regularly look at it.

Posture

- Talk with your hands (but not too much)
- Don't have hands in your pockets.
- Smile.
- Don't hide the screen.

- Make eye contact with all zones of the room.
- Divide room in left, middle, right, and look at each sector alternating.
- With good eye contact your audience has to listen!
- Don't look at screen but get information from
 - printout of your slides (optimal)
 - or from laptop.

Conclusion

- Goal of a talk to pass on a message to your audience.
- Trial talks, trial talks, trial talks.
- Create lively well structured slides.
- Focus on passing on your message.
- Strong beginning, strong ending (visually and auditory).
- Good confident body posture.

- Try to speak slowly and clearly.
 - Nervousness might result in speaking faster than usual.

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