Distributed Software Development

Marin & Ivana

How to create and deliver a good presentation?

Overview

- 1. Overview
- 2. What is a good presentation
- 3. Number of slides
- 4. Using images
- 5. Talking
- 6. Conclusion
- 7. Discussion

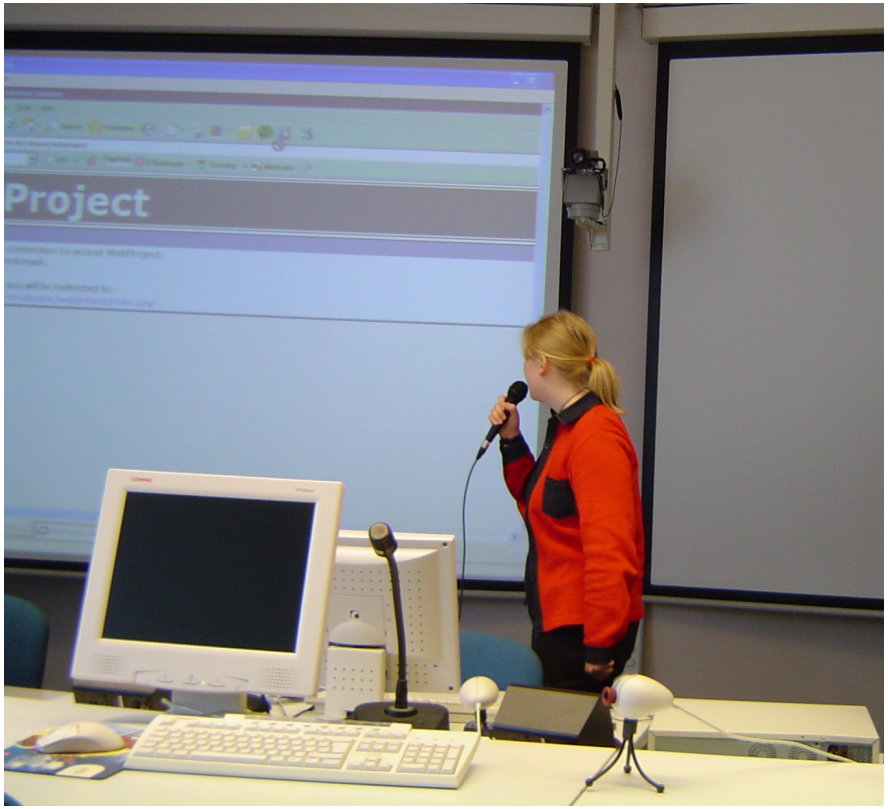
What is a good presentation?

- Presentations have become the standard communication tool in business, engineering, education. Out of millions of presentations given each day, only a small number are delivered well – and when we come to a presentation, we expect it to be bad.
- Why is it the case? Perhaps because most of our education is oriented towards verbal and not visual expression – effectively producing or delivering visual presentations is not taught.
- Once you harness the concepts around visual storytelling, mediocre slides will not be good enough any more – you'll set a higher communication benchmark for yourself and your organization!

Marin & Ivana

How to create and deliver a good presentation?

Disclaimer!



We actually don't know... :-(

Asking the wrong questions

- How many...
  - Words in a bullet?
  - Bullets in a slide?
  - Slides in a presentation?
- What...
  - Template?
  - Font type?
  - Font size?

Right questions

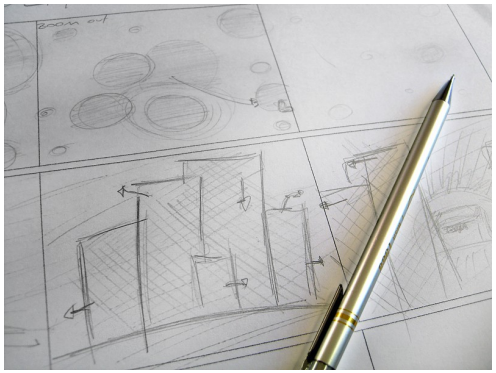
- To whom
  - will I present?
- What is **one thing**
  - they need to remember?
- If I am in an elevator
  - can I say that one thing in **30 seconds**?

and...

- How much time
  - will I have? :-)

Getting started

Ideas



Storyboard

Outline

Test

The Book of Lists: Top fears

1. **Speaking Before a Group (+40%)**
2. Heights
3. Insects and Bugs
4. Financial Problems
5. Deep Water
6. Sickness
7. **Death**
8. Flying
9. Loneliness
10. Dogs

...a little longer than a few seconds later...

Creating the slides

Text

- Font size
- Quantity of text
- ~~Full sentences~~
- **Emphasise!**
  - but beware of the colors

Let's try

32 pt: Can you read this?

28 pt: Shouldn't be a problem!

26 pt: Getting smaller...

24 pt: And more difficult to read.

22 pt: Even worse

20 pt: Soon it will be pointless

18 pt: And the audience will give up

16 pt: So please try to avoid saying anything important at this size

14 pt: Unless you want to be completely ignored

Gets worse with colors

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Guide: Age of the oldest person / 2

Images and pictures

- Skip
  - Low-quality clipart
  - Widely used generic templates
- Use
  - Photographs
  - Edited “photo” images
  - Resources **with permission**

Find two mistakes!

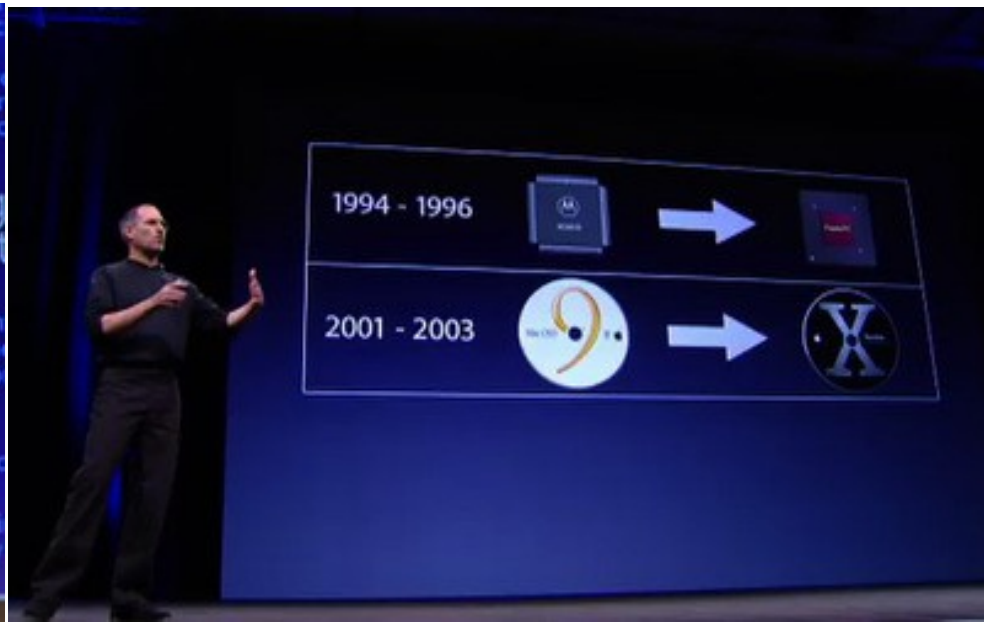
Find two mistakes!

– Visible white background image (FER, POLIMI)

– Black color merged (MdH)

Level of detail

- Remember to KISS!



www.presentationzen.com

Where to get images?

- Stock photo sites
  - Some have free low-res images
    - www.sxc.hu
    - www.rgbstock.com
    - ...

Emphasis: Top fears

1. **Speaking Before a Group (+40%)**
2. Heights
3. Insects and Bugs
4. Financial Problems
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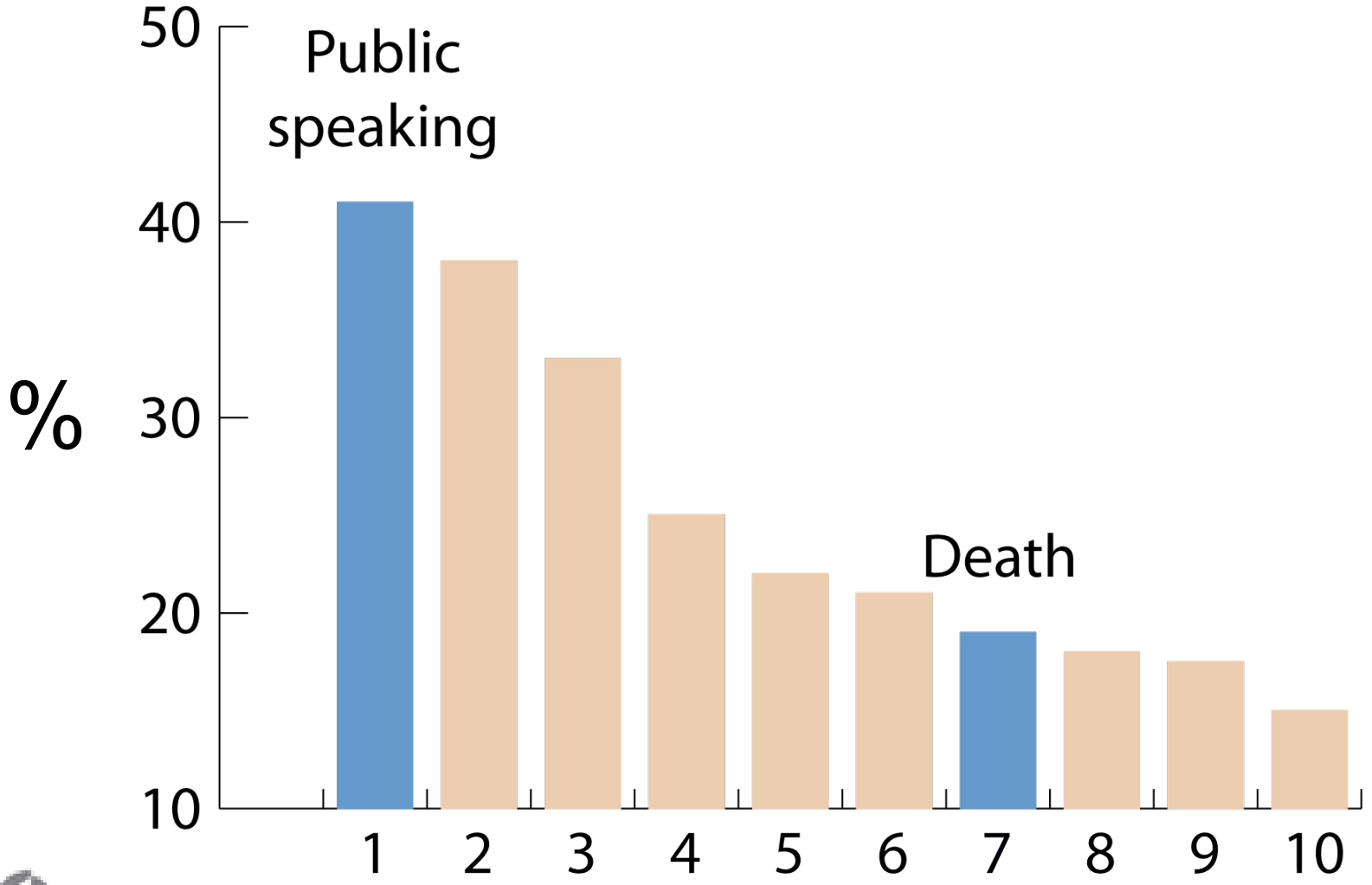
Emphasis: Top fears



Charts, schemes, tables...

- Avoid *raw* data
- Emphasize *meaning* of data
  - What should the audience remember?

Best fear: Public speaking vs. Death

2:1

Slides are not documents!

- Use handouts or documentation

- By the way...
  - comments are not documentation ☺

Delivering presentations

Posture and communication

- Where to look? The slides are not alive!

Posture and communication

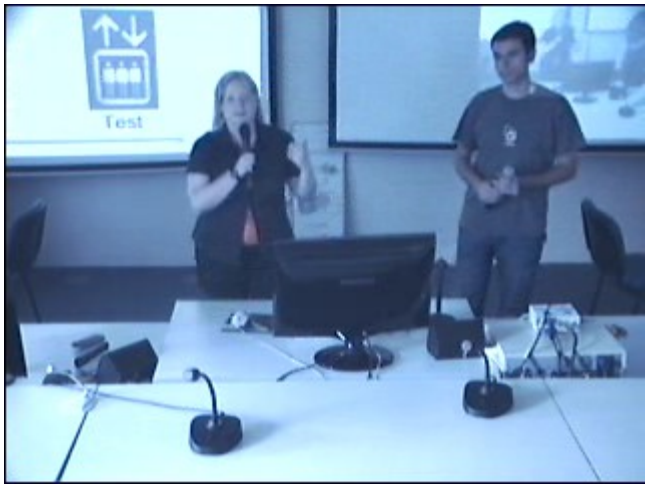
- Where to look? The slides are not alive!

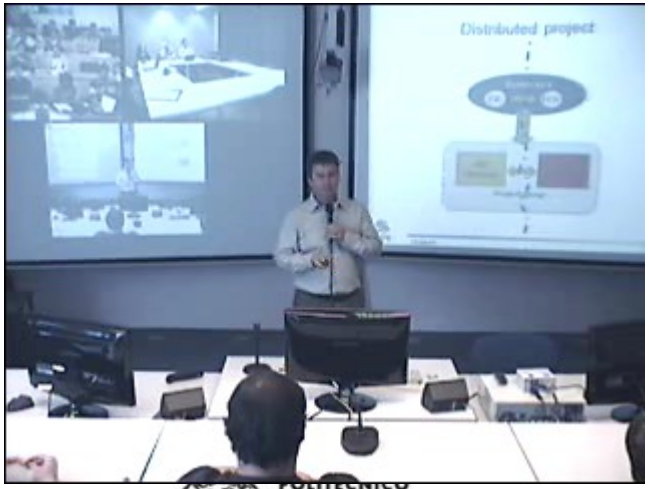
Posture and communication

- Respect the remote side
  - Microphone
  - Display screen
  - The camera is **there!**

Igor in Sweden

Local and remote





Talking

- What was your name again?
  - Take some time to introduce yourself
- Period of adjustment
  - Reason why we have the introduction
- English as a foreign language
  - Other nations = troubles understanding

Reading

- "Thanks, we have learned how to read"
  - *by annoyed listeners on conferences*

- Talk, don't read
  - "Do we need you here at all?"
    - *by more annoyed listeners on conferences*

Rehearsing

- Rehearse...
- ... and rehearse some more...

- Done rehearsing?
  - Rehearse out loud
  - With the “audience”, please!

- Use “Rehearse timings” function

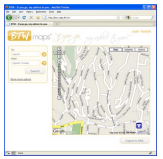
Rehearsing

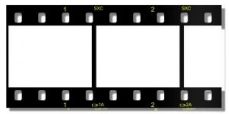
- Prepare for the worst
  - ...and hope for the best!

- Respect Mr. Murphy
  - plan A
  - plan B
  - plan C

Examples:

- live demo
- recorded video
- screenshots





DSD experiences

- Slideware
  - Do not use slide transitions
- Images
  - Resolution up to 1024x768
- Video
  - Flash video works, AVI/WMV/... have problems
  - Audio – problems with telecon system
  - Place files on web page for download before presentation

Mistaeks and oddities

- There will be mistakes!
  - Are you sure we have noticed?
  - Don't make the situation worse!
  - Get over it... **Quickly!**
- Is it really bad?
  - Smile ☺
  - Apologize
  - Take the next plan
  - Get over it... **Quickly!**

Timing

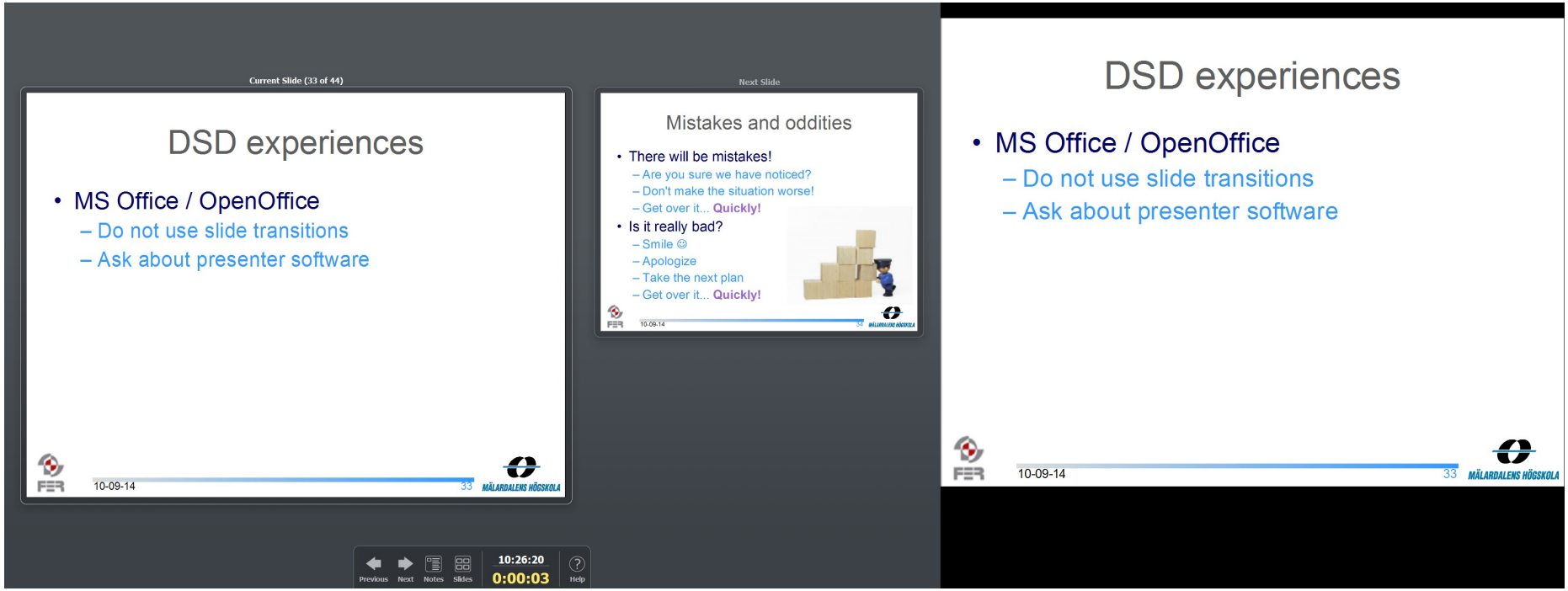
- How long does this presentation take?

Timing

- How long does this presentation take?
- Prepare to skip something
  - Easier to skip the middle...
  - ... then to be stopped before the conclusion
- Use presenter software with alarms

Presenter software

- Presenter in OpenOffice.org / LibreOffice



It is really bad...

to go overtime ☹

What went wrong...

- Initial discussion
- Amount of text, animations
- Font size
- Non-understandable talking ☺
- Microphone
- Displays
- Eye-contact
- ... ?

Some slide examples...

...*taken on conferences*

1. Paper objectives

The objective of the paper is to present generalized approach in design and development of industrial automation systems based on software engineering principles including unified modelling language UML and concept of reusable software and COTS software modules.

Introduction

Pre-conditions. Why MASTAC?

- The part of failures and crashes caused by *computer system and software faults permanently increases* (aerospace systems (AES), NPP I&C, etc.).
  20% of AES and NPP crashes, accidents and failures happened from computer systems faults.
  1% of rocket launches in the 1990s ended with crash caused by software faults.
- The problem *"aerospace (critical) systems – safety & dependability – computing & networking"* and training of specialists for safety-critical computing and engineering.
- *Experience of EU universities and research centers* is very important for Ukraine which has a highly-developed *rocket-space and aviation industry as well as NPPs.*
- This background has led to the development of the EC-funded Tempus project "*MSc and PhD studies in Aerospace Critical Computing*".

Software Engineering in East and South Europe (SEESE)
ICSE 2008 Workshop

GENESIS is an European initiative involving institutions and persons from older and new EU members, and West Balkan countries.

It aims at developing a global network of research and education in embedded systems.

The related research will be coordinated in such a way to address hot topics at European and global levels and will concentrate on the fusion of embedded systems and distributed services over the Internet.

One of the main objectives of GENESIS is to develop a distributed virtual laboratory to be used in embedded systems research and education and this is described in detail.

Conclusions

✓ model of software quality verification was developed based on unified procedure of fault injection;

✓ taxonomy have been formed and tools supports the process of software fault injection have been analyzed, as a result defects of existed tools were found;

✓ unique procedure of software fault injection was suggested in the context of a model.

Future Work

➢ Add facilities of fault injection for all stages of software development into designed tool.

➢ Software fault injection SQL have to be expanded for next program languages as C++, PHP, Perl.

➢ Classification schemes of faults permitted to define set of fault injection profiles have to be generated for all stages of program development.

Prove that you are better!

Please...