

Chapter A1: Adding Material

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ECLiPSe ELearning [Overview](#)



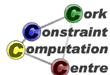
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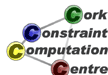
Outline

- 1 Preparing New Material
- 2 Integrating with Rest of Course
- 3 Building Presentations



What we want to introduce

- How to add new chapters
- Copying template files
- Configuring templates
- Adding frames to body
- Integrating with other chapters



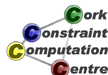
How course material is generated

- Slides, Handout, Article versions
 - Delivered as pdf files
 - Generated using LaTeX and beamer
 - Free tools for multiple platforms
- Video, iPhone versions
 - Prepared with Camtasia Studio
 - Commercial Product



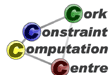
Outline

- 1 **Preparing New Material**
 - Make New Directory
 - Copying Template Files
 - Configuring Templates
 - Adding Frames to Body
- 2 Integrating with Rest of Course
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Make New Directory

- Create new top-level directory
- Do not use spaces in directory name
- All material for chapter should go there
 - documents
 - programs
 - images



Files stored in `template` directory

- Do not edit files in `template` directory
- Copy required files to new chapter directory



Files to copy

`Makefile` do not modify

`chapter.tex` only required by me

`standalone.tex` add title and subtitle

`body.tex` edit to taste

`article.tex` do not modify

`handout.tex` do not modify

`slides.tex` do not modify



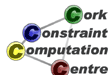
Changing `standalone.tex`, e.g.

```
\title[Adding Material]%  
{Chapter A1: Adding Material}
```



Modifying author

- By default, the author is H. Simonis at 4C (me!)
- You can add `author` and `institute` fields



Changing `standalone.tex`, e.g.

```
\author{Frodo Baggins}  
\institute{Free University of Gondor\  
Hobbiton\  
The Shire}  
\title[Adding Material]%  
{Chapter A1: Adding Material}
```



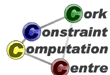
Edit `body.tex`

- Add frames and text of presentation
- Read *beamer* documentation
- Or use other chapter as examples



Labels

- Use consistent label names
- Start names with `dir:`
- Using the directory name of the chapter



Filenames

- Load filenames with `../dir/` prefix
- This allows to make document from another subdirectory



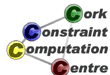
Versions

- Distinguish materials for multiple targets
- Text between slides is only used in `article` version
- Use animation only in `beamer` version
- Have summary pictures in `handout` version
- Use mode `all` if material is used everywhere
- Mark frames as `<presentation>` not needed for article



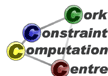
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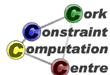
Other Files to Update

- Central Makefile
- Central index.htm
- introduction chapter



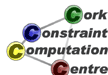
Central Makefile

- Add new directory to list at top of Makefile
- `CHAPTERS = introduction first...`



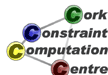
Central index.htm

- Add line to *Chapters* and/or *Applications* part
- Easiest to copy existing entry
- Possibly renumber chapters



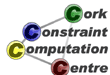
Extend introduction Chapter

- Edit `body.tex` in introduction chapter
- Add entry to chapters and/or application tables in *Chapter Overview* section
- Add new frame for chapter in *Chapter Detail* section



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Building Presentations

- Run `make` in new directory
- This builds
 - `article.pdf` text format
 - `handout.pdf` 2 slides per page for printing
 - `slides.pdf` all slides
- Copy to destination

