# Installing Zimpl and using it with CPLEX

April 7, 2011

Zimpl is easy to download and install on IMADAs system and all students should already have access to Cplex from their IMADA account.
You should download and install Zimpl and read the tutorial in advance, then your instructor Alessandro Maddaloni and post docs Napoleao Nepomuceno and Mette Gamst will recap the tutorial and then work on the exercises on Thursday, April 14th.

The home page:
http://zimpl.zib.de/

Source code: (also linked from the home page)
http://zimpl.zib.de/download/zimpl-3.1.0.tgz

The tutorial: (also linked from the home page)
http://zimpl.zib.de/download/zimpl.pdf

The source code comes with a README file, which explains how to install. This sghould work:

1. download the source code

2. untar the source code with command: tar -xvzf zimpl-3.1.0.tgz

3. compile the source code with command: make

4. check the installation: make check

5. the binary located in /bin/zimpl is the zimpl program

 In case of installation problems, see the README file.

After installing zimpl, it is used with the command:

zimpl filename

Then a file called filename.lp is generated. This is solved with cplex by the following commands:

```
cplex
r filename.lp
opt
di so va -
```

(the last command displays the value of all variables).

You may not have access to cplex immediately. If not you should download the file access.ilm from the course page and save it at root level in your file directory.

Then write
setenv ILOG_LICENSE_FILE $HOME/access.ilm
in a shell and start using cplex