EECS 222A
System-on-Chip Description and Modeling
Fall 2007

# Assignment 1

**Posted:**          October 5, 2007 (week 2)
**Due:**              October 12, 2007 (week 3)

**Task:**             Become familiar with SpecC compiler and simulator

**Instructions:**

The goal of this first assignment is to make you familiar with the SpecC language and basic tools, in particular the SpecC compiler and simulator. We will use some simple examples included with the SpecC tools.

**Task:** Make yourself familiar with the usage of the SpecC compiler, `scc`.

For this task, log into the server **epsilon.eecs.uci.edu** using the secure shell protocol **ssh.** A stable version of the SpecC compiler is available on the server in the directory **/opt/sce-20041007/**. To set it up, run the provided setup script:
        **source /opt/sce-20041007/bin/setup.csh**

Next, copy the examples found in **/opt/sce-20041007/examples/simple/** into a working directory for your experiments. Then, use **scc** to compile and simulate those examples. This should look as follows:

```
mkdir simple_tests
cd simple_tests
cp /opt/sce-20041007/examples/simple/* .
ls
man scc
scc HelloWorld -vv
./HelloWorld
ls
...
```

Of course, you should also inspect the sources of these examples, as well as the **Makefile** provided in this directory. Moreover, go and modify the examples in order to experiment with different features of the SpecC language.


--
Rainer Doemer (ET 444C, x4-9007, doemer@uci.edu)