**ASIPMEISTER -TUTORIAL**

1. Login to any ***i80labpcXX.ira.uka.de*** directly or using SSH or using X2Go Client. For example, login as ***asip-sajjad04*** into ***i80labpc02.ira.uka.de***
2. Open shell terminal from the start menu. It should be in your default home directory. Type “***pwd***”

asip04@i80labpc04:~:$pwd

/home/asip04

1. Create a new directory for your Lab e.g. “***ASIP\_SS17”***

asip04@i80labpc04:~:$mkdir ASIP\_SS17

asip04@i80labpc04:~:$cd ASIP\_SS17/

1. Create a new directory for your lab session in “***ASIP\_SS17”*** e.g. “***Session1”***

asip04@i80labpc04:~/ASIP\_SS17:$mkdir Session1

asip04@i80labpc04:~/ASIP\_SS17:$cd Session1/

1. Create a directory for your ASIP project in “***Session1”***

asip04@i80labpc04:~/ASIP\_SS17/Session1:$mkdir ASIPMeisterProjects

asip04@i80labpc04:~/ASIP\_SS17/Session1:$cd ASIPMeisterProjects/

1. For each ASIPmeister CPU create a separate in “***ASIPMeisterProjects”***. For example, copy template project and rename it e.g. “***brownie”*** for ASIPmeister CPU “***brownie.pdb***”

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$cp -r /home/asip00/epp/ASIPMeisterProjects/TEMPLATE\_PROJECT ./brownie

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$ls

brownie

1. Set the parameters and settings of the ASIP project in “***env\_settings***”
2. Open ASIPMeister CPU in the respective directory i.e. in brownie

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/brownie:$ASIPmeister brownie.pdb &

1. Modify the CPU in ASIPmeister and generate the required files. A “***meister***” directory will be created in your ASIP project directory i.e. in “***brownie***”
2. For another CPU copy template project and rename it e.g. “***brownieOPT”*** for ASIPmeister CPU “***brownieSPEED.pdb***”

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$cp -r /home/asip00/ASIPMeisterProjects/TEMPLATE\_PROJECT ./brownieOPT

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$ls

brownie brownieOPT

1. Set the parameters and settings of the ASIP project in “***env\_settings***”
2. Open ASIPMeister CPU in the respective directory i.e. in brownieOPT

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/brownieOPT:$ASIPmeister brownieSPEED.pdb &

1. Modify the CPU in ASIPmeister and generate the required files. A “***meister***” directory will be created in your ASIP project directory i.e. in “***brownieOPT***”