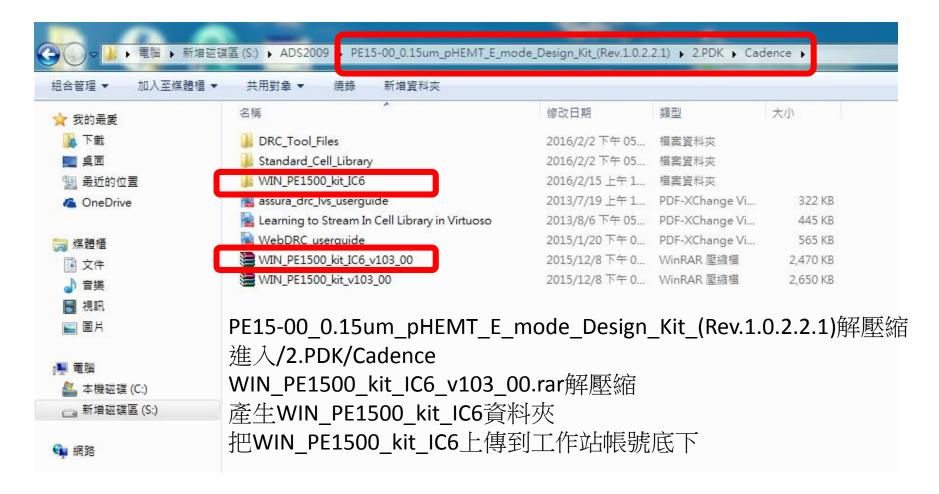
HEMT Installation Guide

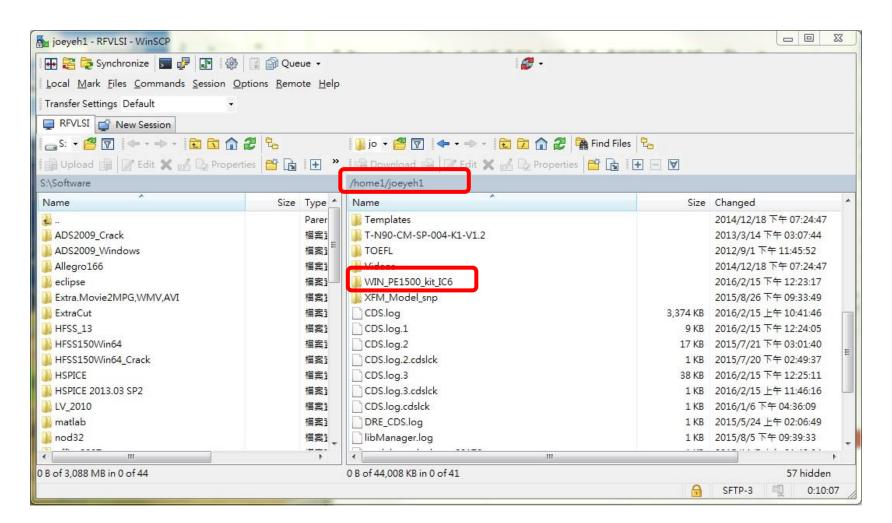


Nan-Ting Yeh
Advisor: Dr. Yu-Jiu Wang
RFVLSI LAB, NCTU

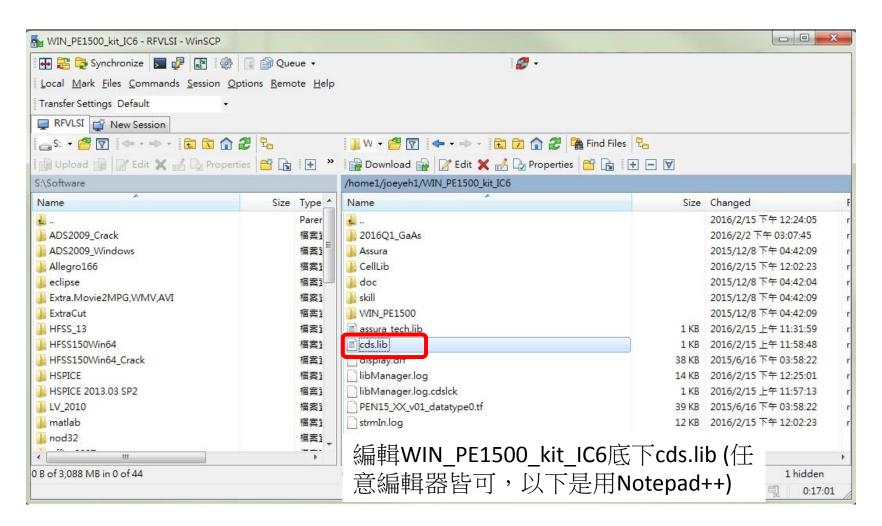
















```
#INCLUDE /home/IC6.15.151_ISR15/share/cdssetup/cds.lib

DEFINE WIN_PE1500 ./WIN_PE1500

#DEFINE avTech /home/Av41usr2_615/tools/assura/etc/avtech/avTech

DEFINE cdsDefTechLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdsDefTechLib

DEFINE analogLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/artist/analogLib

DEFINE basic /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/basic

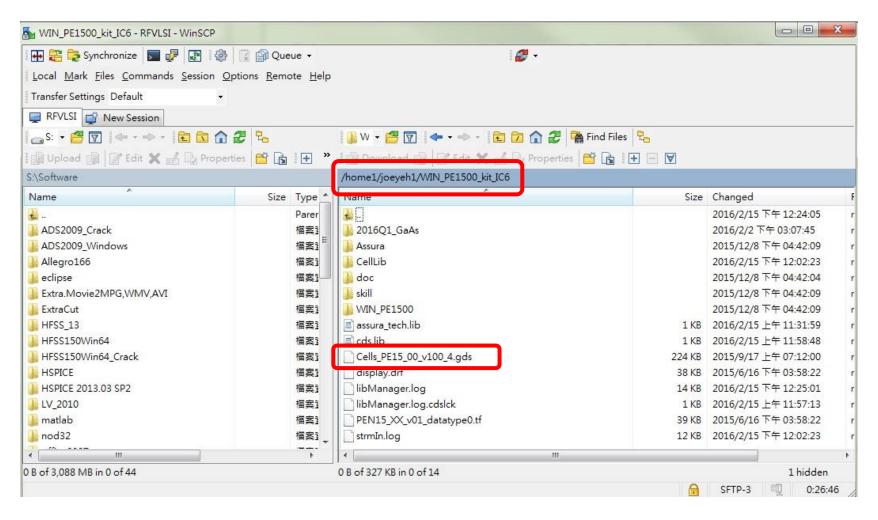
DEFINE US_8ths /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/sheets/US_8ths

DEFINE ahdlLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/samples/artist/ahdlLib
```

For copy:

DEFINE cdsDefTechLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdsDefTechLib DEFINE analogLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/artist/analogLib DEFINE basic /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/basic DEFINE US_8ths /usr/cad/cadence/IC/IC6.14.504/tools/dfII/etc/cdslib/sheets/US_8ths DEFINE ahdlLib /usr/cad/cadence/IC/IC6.14.504/tools/dfII/samples/artist/ahdlLib





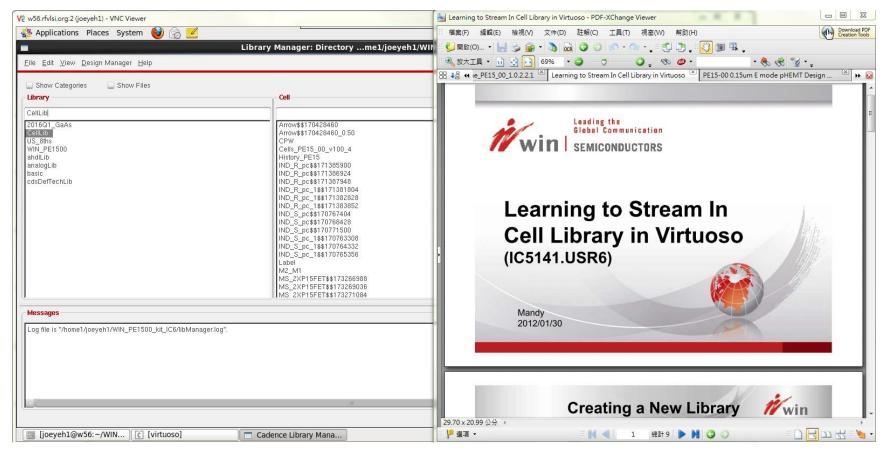
在PE15-00_0.15um_pHEMT_E_mode_Design_Kit_(Rev.1.0.2.2.1)\
2.PDK\Cadence\Standard_Cell_Library底下有一個GDS檔:Cell_PE15_00_v100_4.gds
將此GDS檔複製到工作站帳號裡(見圖)



```
joeyeh1@w56:~/WIN PE1500 kit IC6
                                                                         _ _ X
 File Edit View Search Terminal Help
ioeveh1@w56:~ $ ls
                  libManager.log
                                            simulation
45GS
65GP
                 Matlab
                                            src-gen-cadence-compile
CDS.log
                 matlab crash dump.20172
                                            src-gen-cadence-loading
                 matlab crash dump.20720
CDS.log.1
                                            src-gen-cadence-runtime
CDS.log.2
                 matlab crash dump.26151
                                            Templates
CDS.log.2.cdslck Music
                                            T-N90-CM-SP-004-K1-V1.2
                 networkSynthesis
CDS.log.3
                                            T-N90-CM-SP-004-K1-V1.2.tar.gz
CDS.log.cdslck
                 0A65
                                            TOEFL
Desktop
                 panic.log
                                            WIN PE1500 kit IC6
Documents
                 Pcell Code
Downloads
                 Pictures
                                            WIN PE1500 KIT ICO VI03 00.tar
            Public
DRE CDS.log
                                            XFM Model snp
EM Simulations
                 pwm generation
                 rfvlsi do not delete.data
Graph Data
joeyeh1@w56:~ $ cd WIN PE1500 kit IC6
joeyeh1@w56:~/WIN PE1500 kit IC6 $ ls
                Cells PE15 00 v100 4.gds
                                           skill
2016Q1 GaAs
                display.drf
                                           strmIn.log
Assura
assura tech.lib doc
                                           WIN PE1500
                 libManager.log
cds.lib
                PENIS XX v01 datatype0.tf
ioevehl@w56:~/WIN PE1500 kit IC6 $ virtuoso &
```

使用VNC登入帳號,用"Is"檢查是否有WIN_PE1500_kit_IC6資料夾用"cd"進入此資料夾,在此資料夾底下執行"virtuoso &"開啟cadence virtuoso (見圖)





在WIN_PE1500_kit_IC6資料夾底下執行"virtuoso &"開啟cadence virtuoso後,根據PE15-00_0.15um_pHEMT_E_mode_Design_Kit_(Rev.1.0.2.2.1)\2.PDK\Cadence\有一pdf檔:Learning to Stream In Cell Library in Virtuoso.pdf 依照裡面說明完成layout匯入。



