

Proiect 1
2026/2027

Tehnici avansate de proiectare a sistemelor de radiocomunicații

TAPSR 2026-2027

- Detalii notare -> la **curs**
- Estimat:
 - E: 60%
 - P: 40%
- Examen:
 - subiecte individuale
 - probleme

Proiect 2026-2027

- Saptamana para, 3h, **1.08**
- P1 introductiv
- P2-P4, laborator ADS, fizic/online
- P5, teme proiect, finalizare laborator, **fizic, 1.08**
- P6-P7, proiect, online

Notare proiect 2026-2027

- 30%, P2-P4, laborator ADS
 - prezenta
 - teme
- 30%, P5, **test** finalizare laborator
- P7, proiect, **depunere**

P2-P4

- 2 lucrari/sedinta, 30%

ADS 2002 Fundamentals

Contents: Slides and Lab Exercises

TOPICS (tab sections)

- 1: Circuit Simulation Fundamentals
- 2: System Simulation Fundamentals
- 3: DC Simulation and Circuit Modeling
- 4: AC Simulation and Tuning
- 5: S-Parameter Simulation and Optimization
- 6: Filters: Transient, DesignGuide, Momentum, DAC
- 7: Harmonic Balance Simulation
- 8: Circuit Envelope Simulation
- 9: Final Circuit / System Simulation (Ptolemy)

P5/P7/S?

- test 1h, 30%

ADS 2002 Fundamentals

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Adrese email

- Sefi de grupa
 - lista cu adrese de email **utilizate** de toti studentii
 - poate fi @student.tuiasi.ro (@gmail @yahoo etc.)
 - **rdamian@etti.tuiasi.ro**

Masina virtuala ADS

- rf-opto.etti.tuiasi.ro > Courses > Microwave CD

Materials

Laboratory

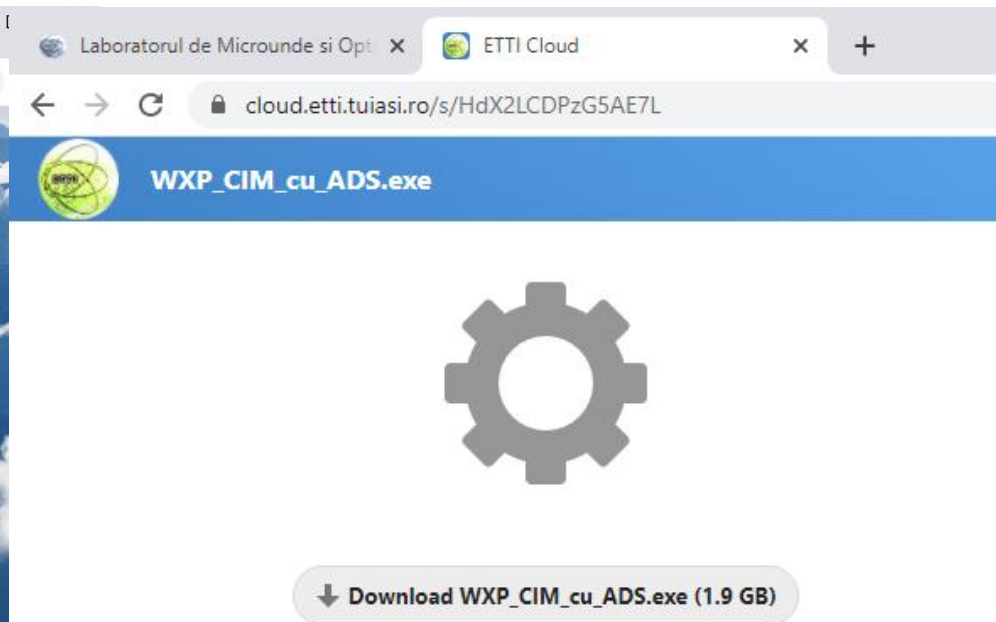
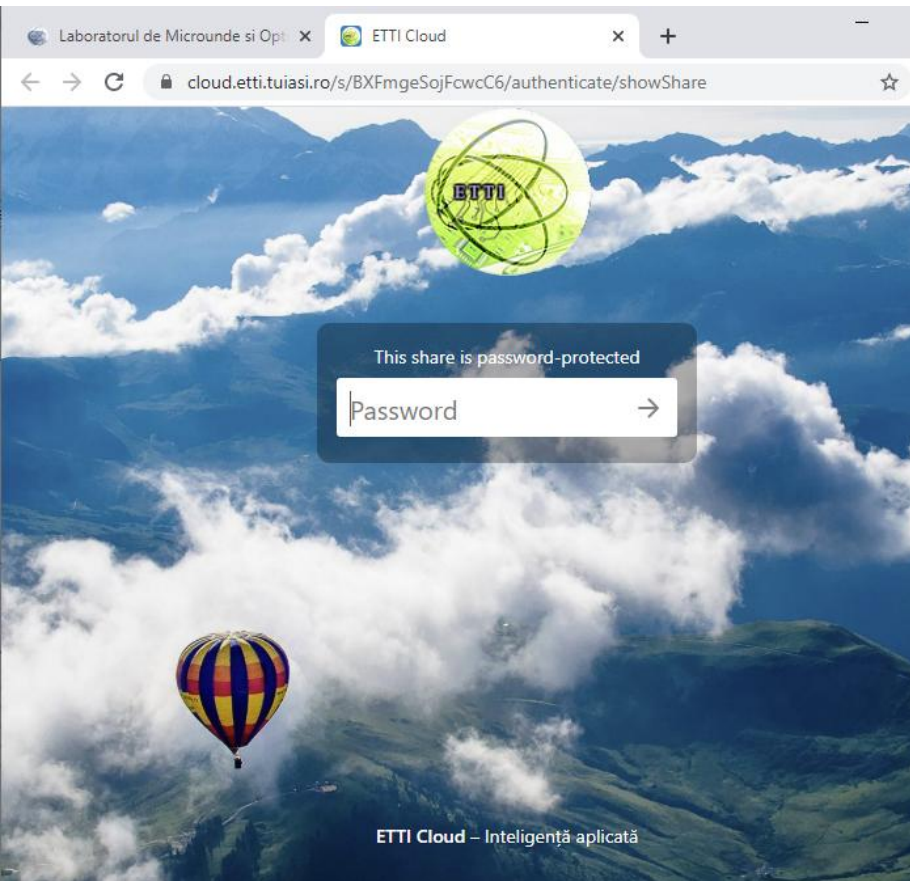
[MV laborator \(2GB 7zip exe\)](#) (link, 0 Bytes, ro, )

[VMware Workstation Player](#) (link, 0 Bytes, en, )

[Laborator 1 DCMR](#) (pdf, 1.24 MB, ro, )

Masina virtuala ADS

- Cloud ETTI: **RF-opto3#**



Masina virtuala ADS

- Masina virtuala
- VMware Workstation Player
 - Gratuit (non-comercial)
 - <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>

Materials

Laboratory

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Masina virtuala ADS

- Masina virtuala
- VMware Workstation Player
 - Gratuit (non-comercial)
 - <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>
- Inlocuit de VMware Workstation Pro



VMware Workstation Pro for PC

Build and test nearly any app with the world's leading desktop hypervisor app for Windows and Linux.

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Masina virtuala ADS

- Masina virtuala
- VMware Workstation Pro (Broadcom)



VMware Workstation Pro for PC

Build and test nearly any app with the world's leading desktop hypervisor app for Windows and Linux.

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Broadcom Inc. Customer sign-in

Username

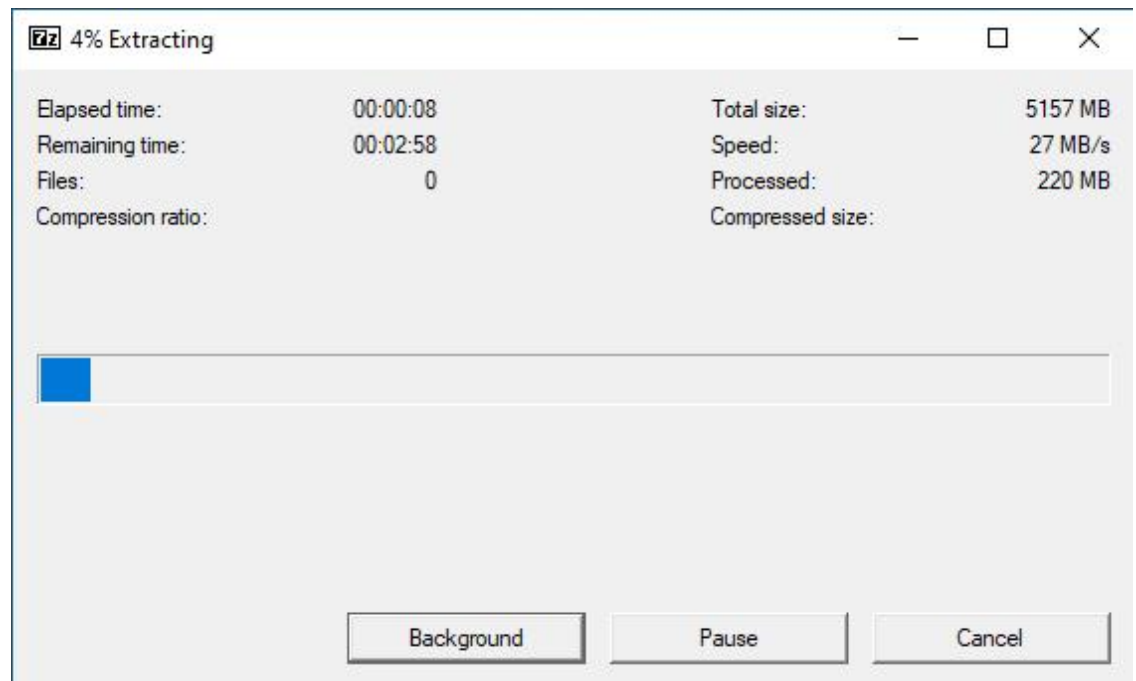
Enter your username

☐ Remember me

Next

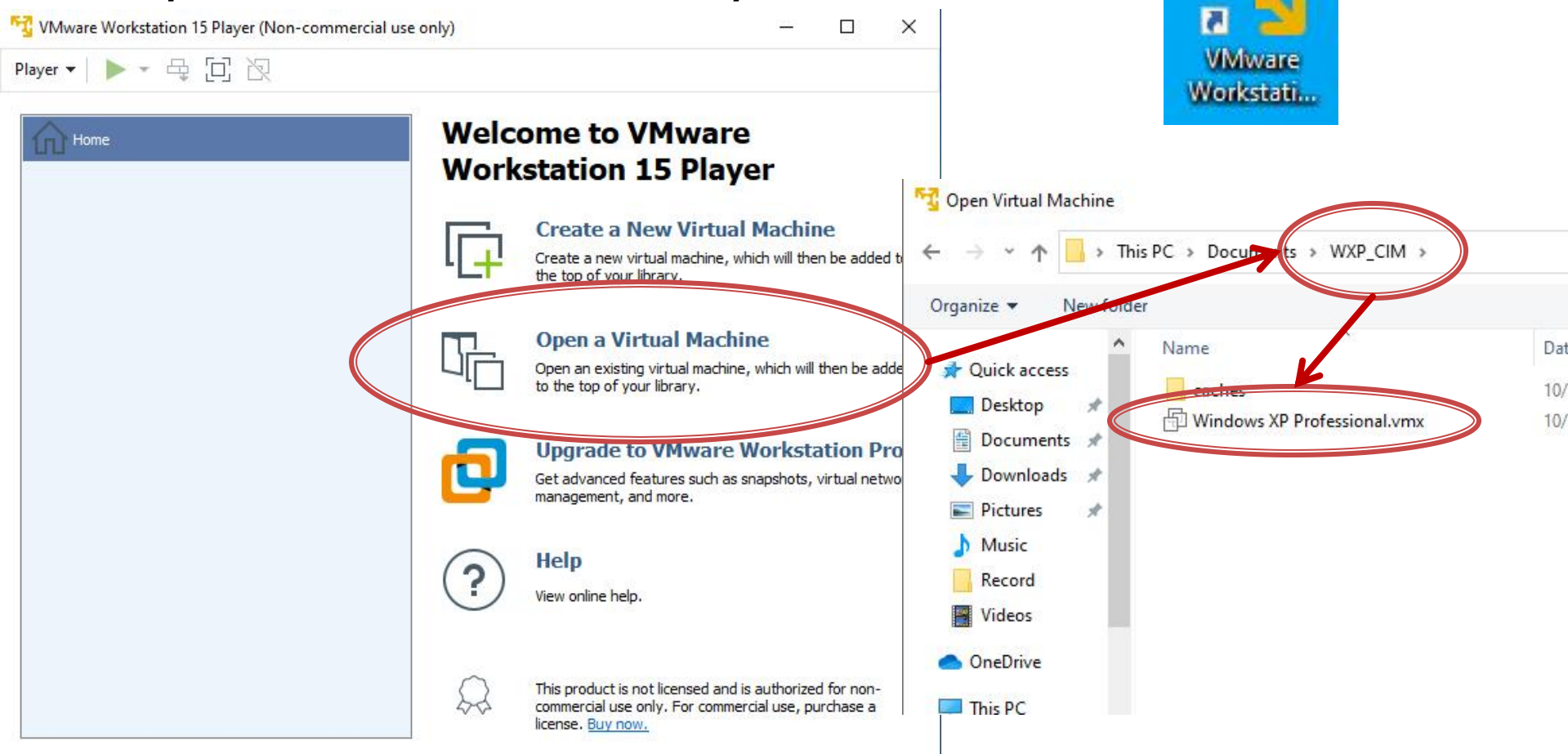
Masina virtuala ADS

- Instalare VMware Player (ne-comercial)
- Rulare WXP_CIM_cu_ADS.exe (dezarhivare)



Masina virtuala ADS

■ pornire VMware Player



The image shows the VMware Workstation 15 Player interface and a Windows File Explorer window. The VMware interface has a sidebar with options: Home, Create a New Virtual Machine, Open a Virtual Machine (circled in red), Upgrade to VMware Workstation Pro, Help, and a license notice. The File Explorer window shows the path: This PC > Documents > WXP_CIM > (circled in red). Inside this folder, the file 'Windows XP Professional.vmx' is circled in red. A red arrow points from the 'Open a Virtual Machine' button in the VMware interface to the circled file name in the File Explorer.

VMware Workstation 15 Player (Non-commercial use only)

Player ▾ ▶ □ ✕

Home

Welcome to VMware Workstation 15 Player

Create a New Virtual Machine
Create a new virtual machine, which will then be added to the top of your library.

Open a Virtual Machine
Open an existing virtual machine, which will then be added to the top of your library.

Upgrade to VMware Workstation Pro
Get advanced features such as snapshots, virtual network management, and more.

Help
View online help.

This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. [Buy now.](#)

Open Virtual Machine

< > ▾ ↑ > This PC > Documents > WXP_CIM >

Organize ▾ New folder

Quick access

- Desktop
- Documents
- Downloads
- Pictures
- Music
- Record
- Videos

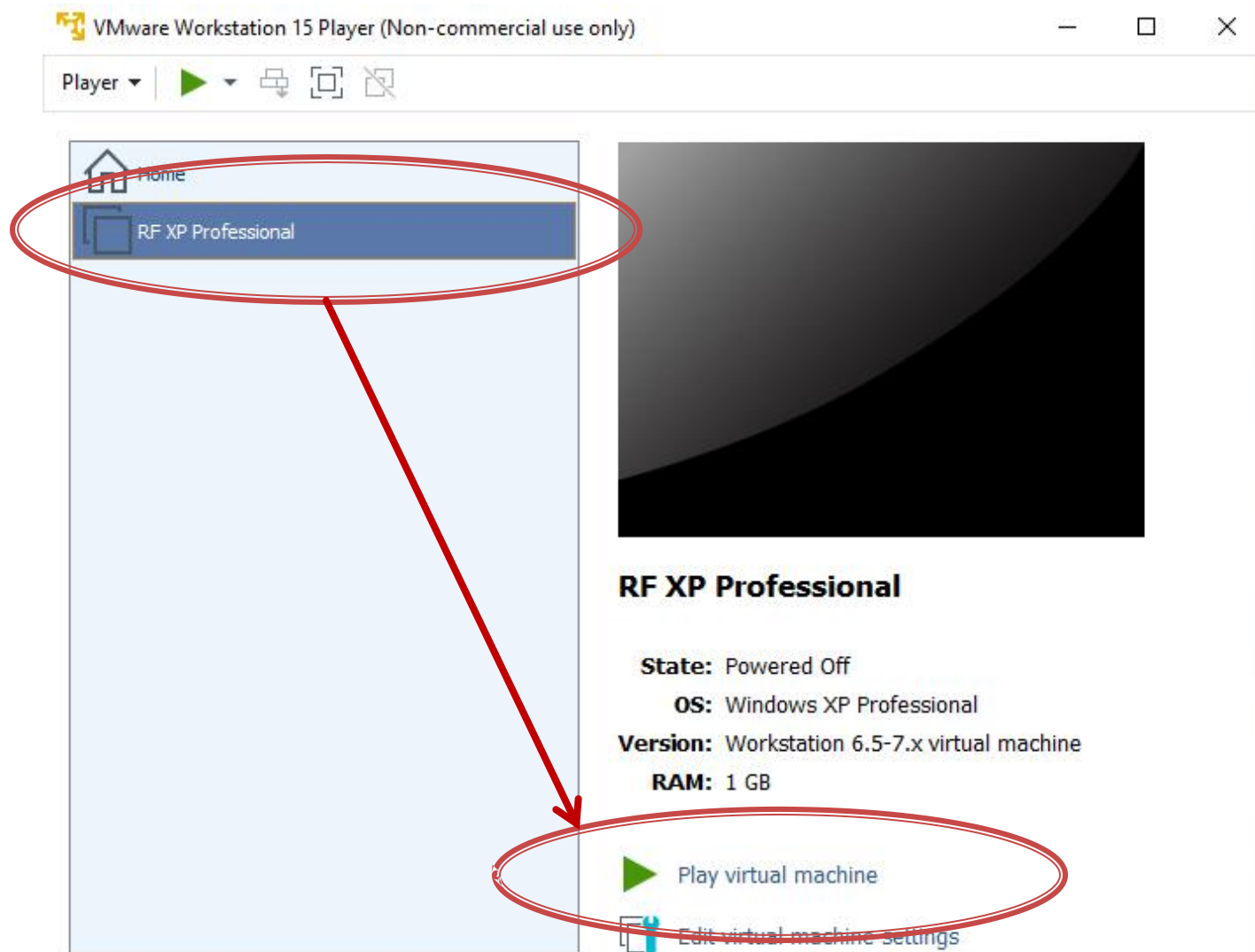
OneDrive

This PC

Name

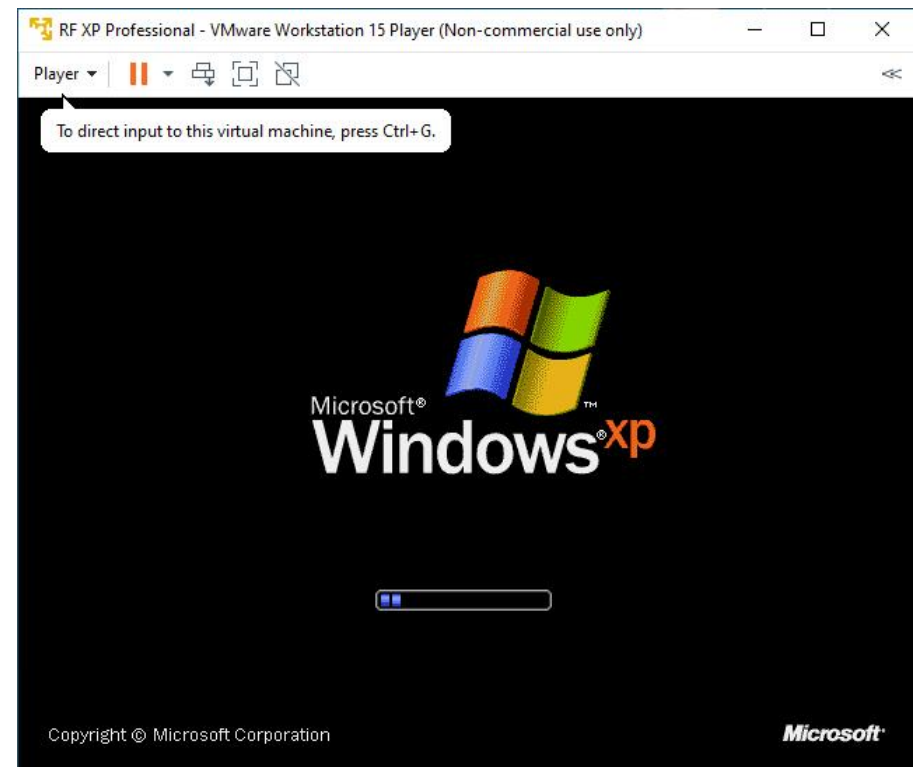
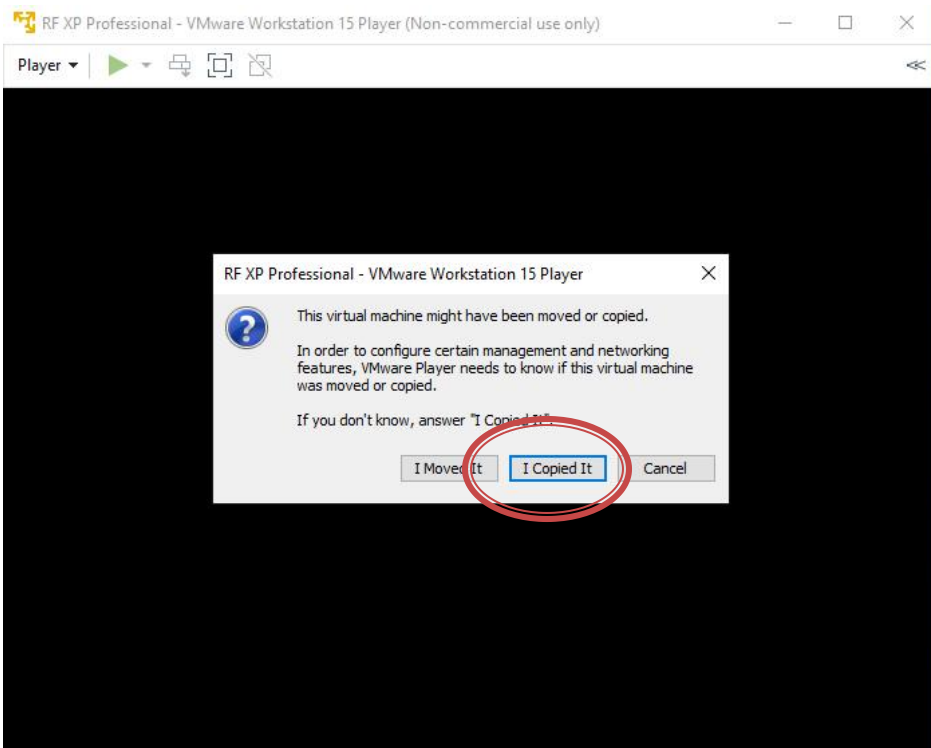
- cache
- Windows XP Professional.vmx

Masina virtuala ADS



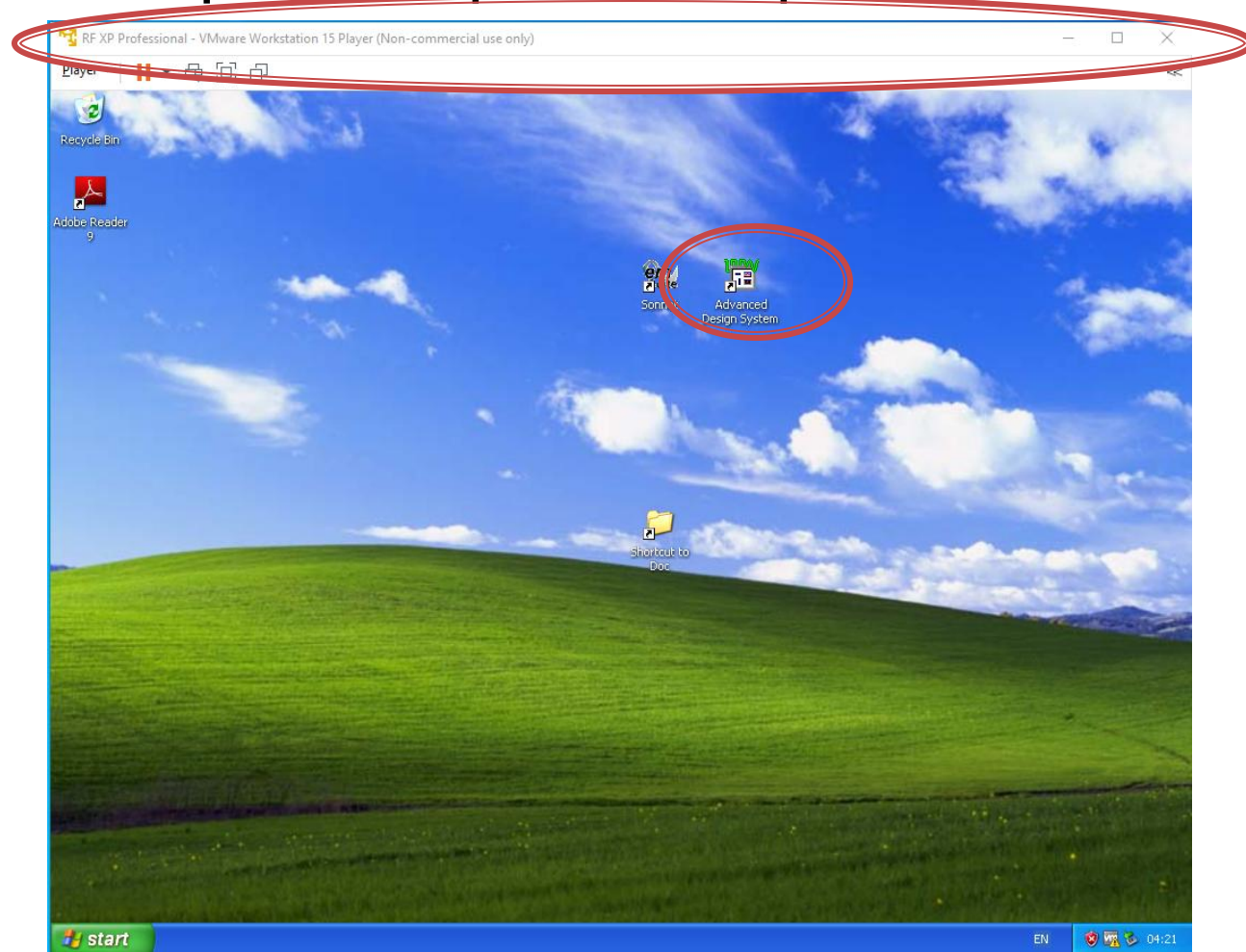
Masina virtuala ADS

- Optiunea "I copied it"



Masina virtuala ADS

- “Dublu click” pe bara pentru (aproape) full screen

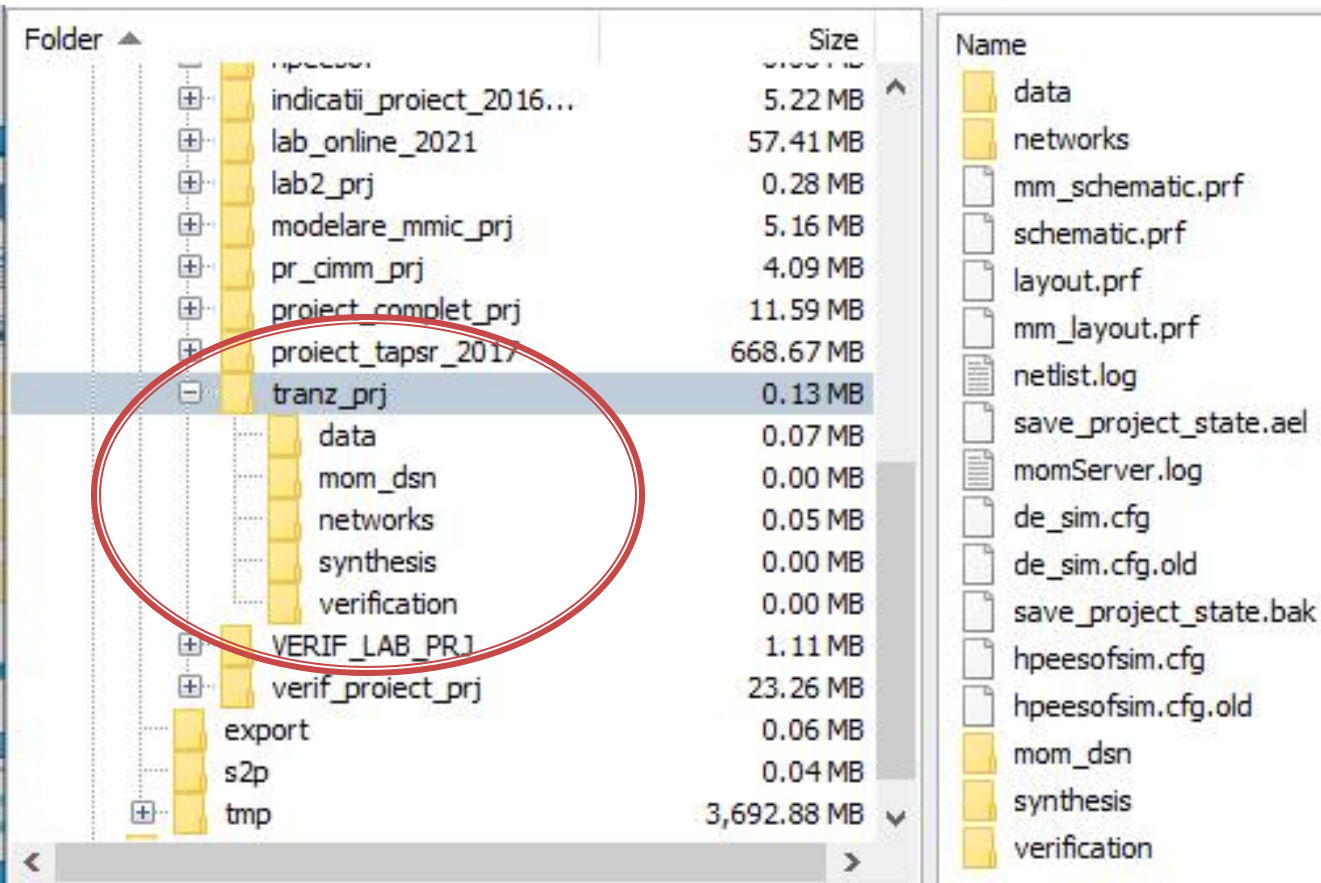


Posibile probleme

- VMWare Player versiunea curenta ruleaza **doar** pe sisteme de operare pe 64biti Windows/Linux
 - pentru sisteme pe 32biti exista versiuni anterioare (**originale**) pe 32biti
- Calculatorul utilizat **trebuie** sa aiba activata optiunea de virtualizare hardware
 - Optiunea se activeaza in BIOS, dependent de sistem: Processor, Chipset, Northbridge
 - Denumirea optiunilor: VT-x, AMD-V, Vanderpool, Hyper-V, Vanderpool, SVM, Intel Virtualization Technology. Daca exista: Intel VT-d, AMD IOMMU
- Arhiva executabila (exe) ruleaza numai pe Windows.
 - Pentru alte sisteme de operare se utilizeaza 7zip nativ pentru extragere

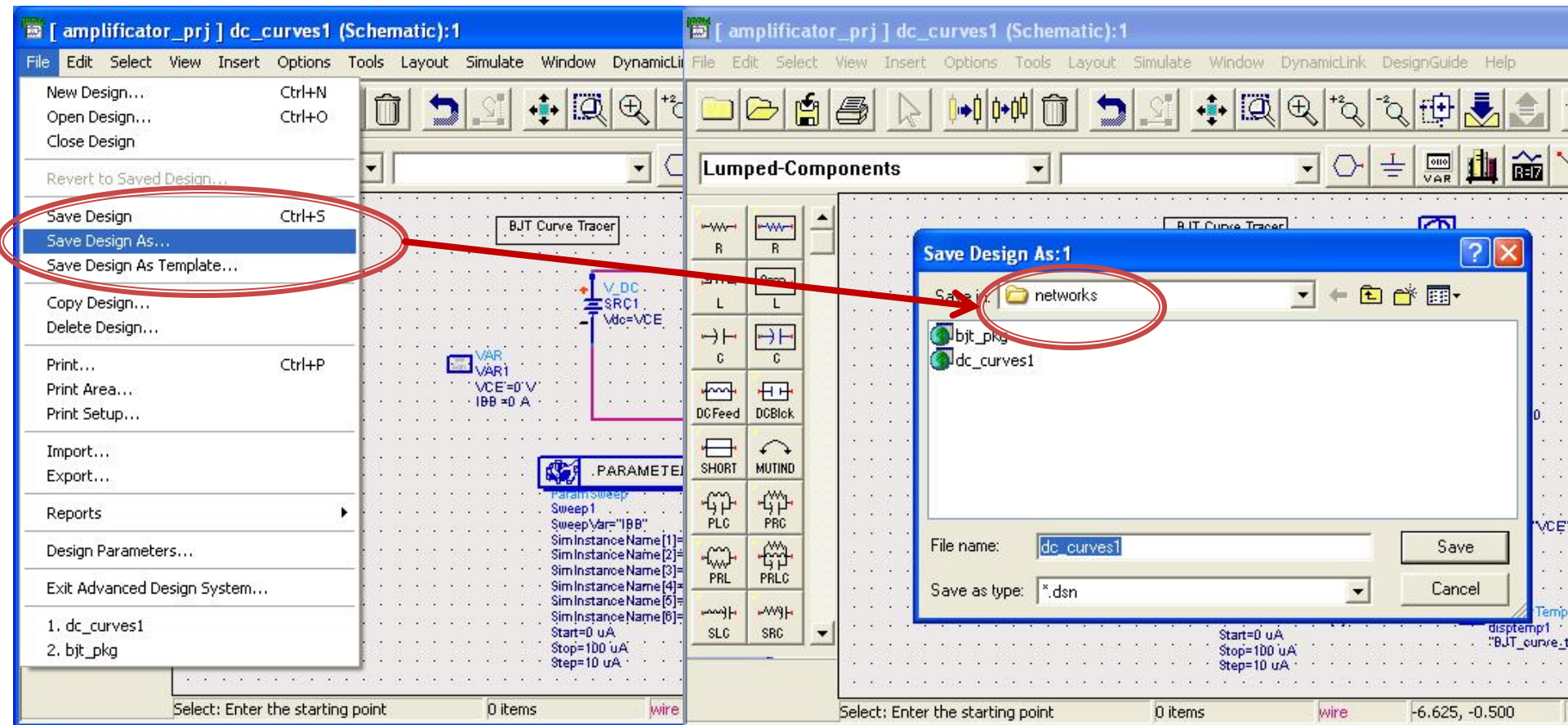
Project ADS

- director, nume terminat in “_prj”
- subdirectoare specifice



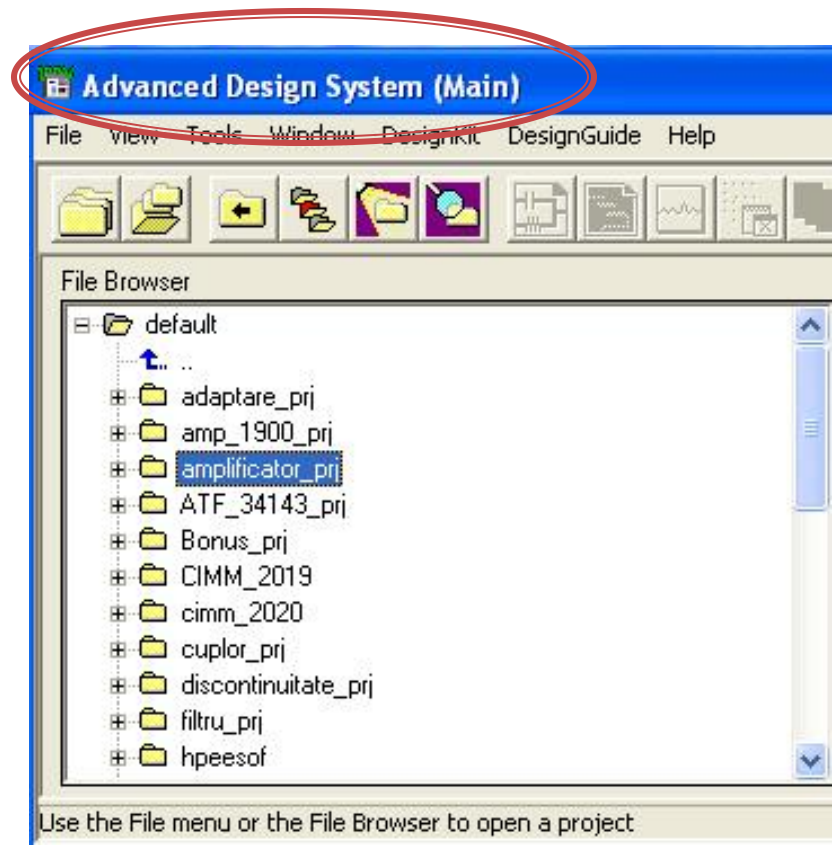
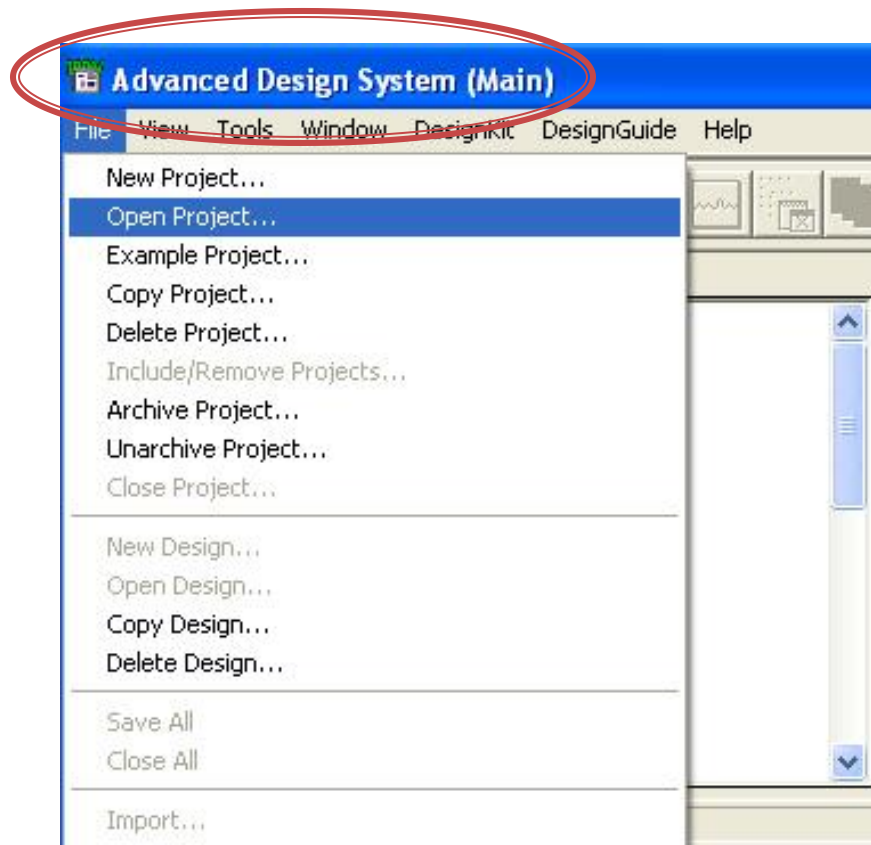
Project ADS

- salvare scheme: **obligatoriu** in directorul propus (networks)



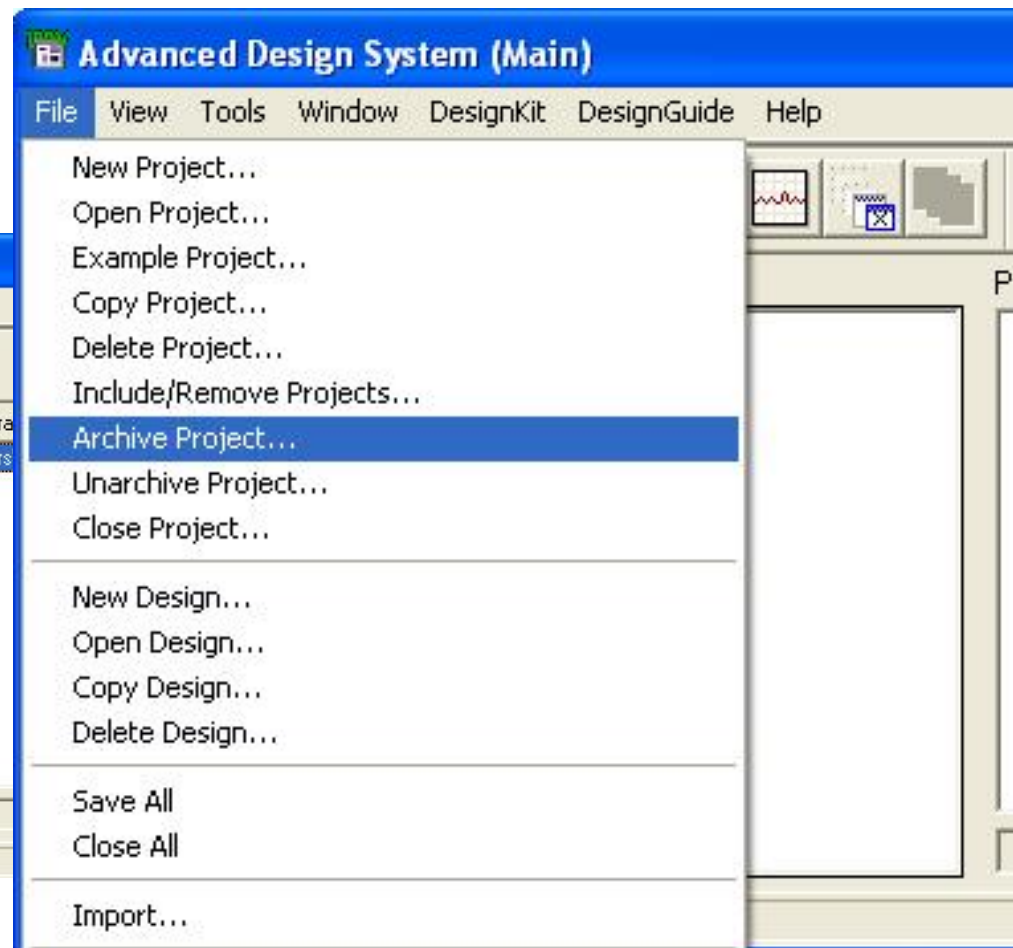
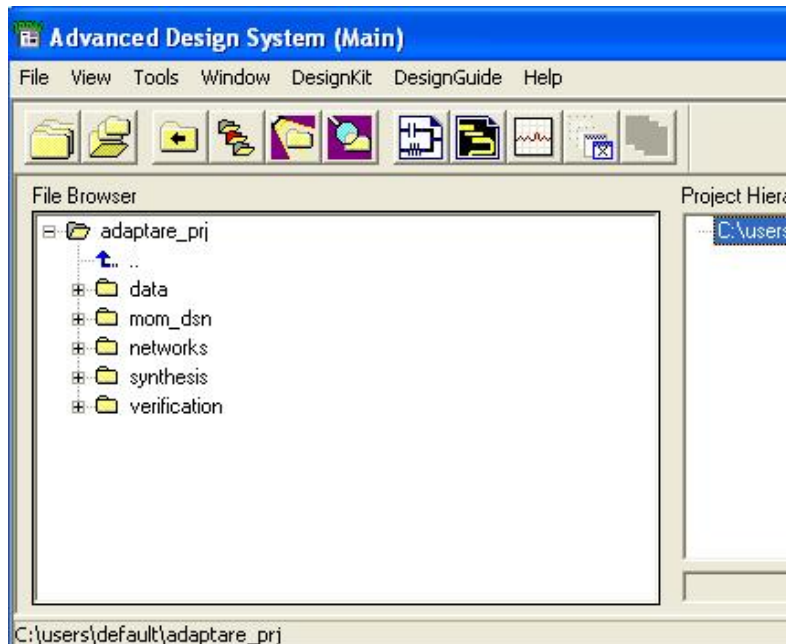
Project ADS – ZAP file

- Arhivare pentru a usura mutarea unui proiect
- Window: Advanced Design System (**Main**)



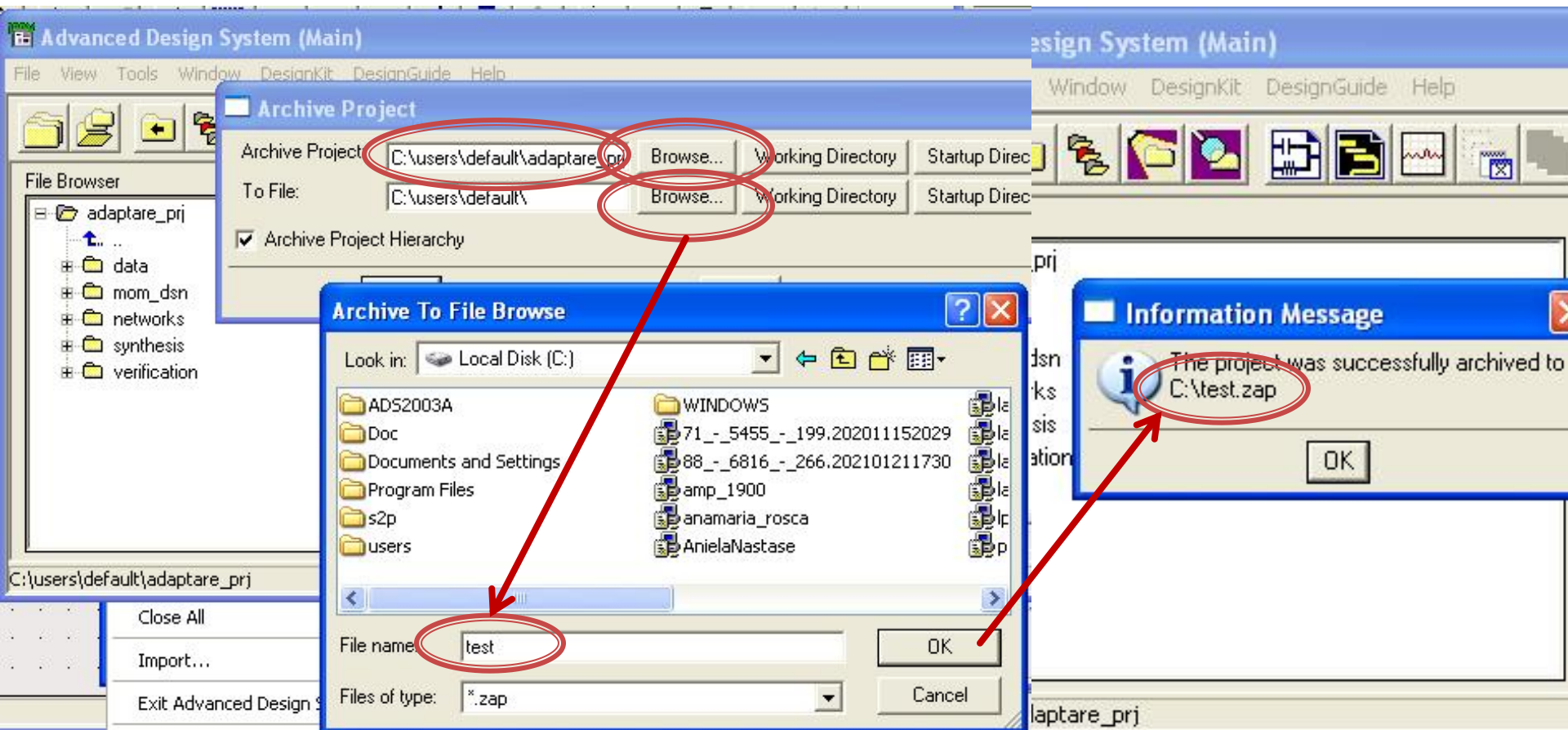
Project ADS – ZAP file

■ Archive project



Project ADS – ZAP file

- Cale: fara **spatii** (**nu** Desktop, **nu** My Documents)

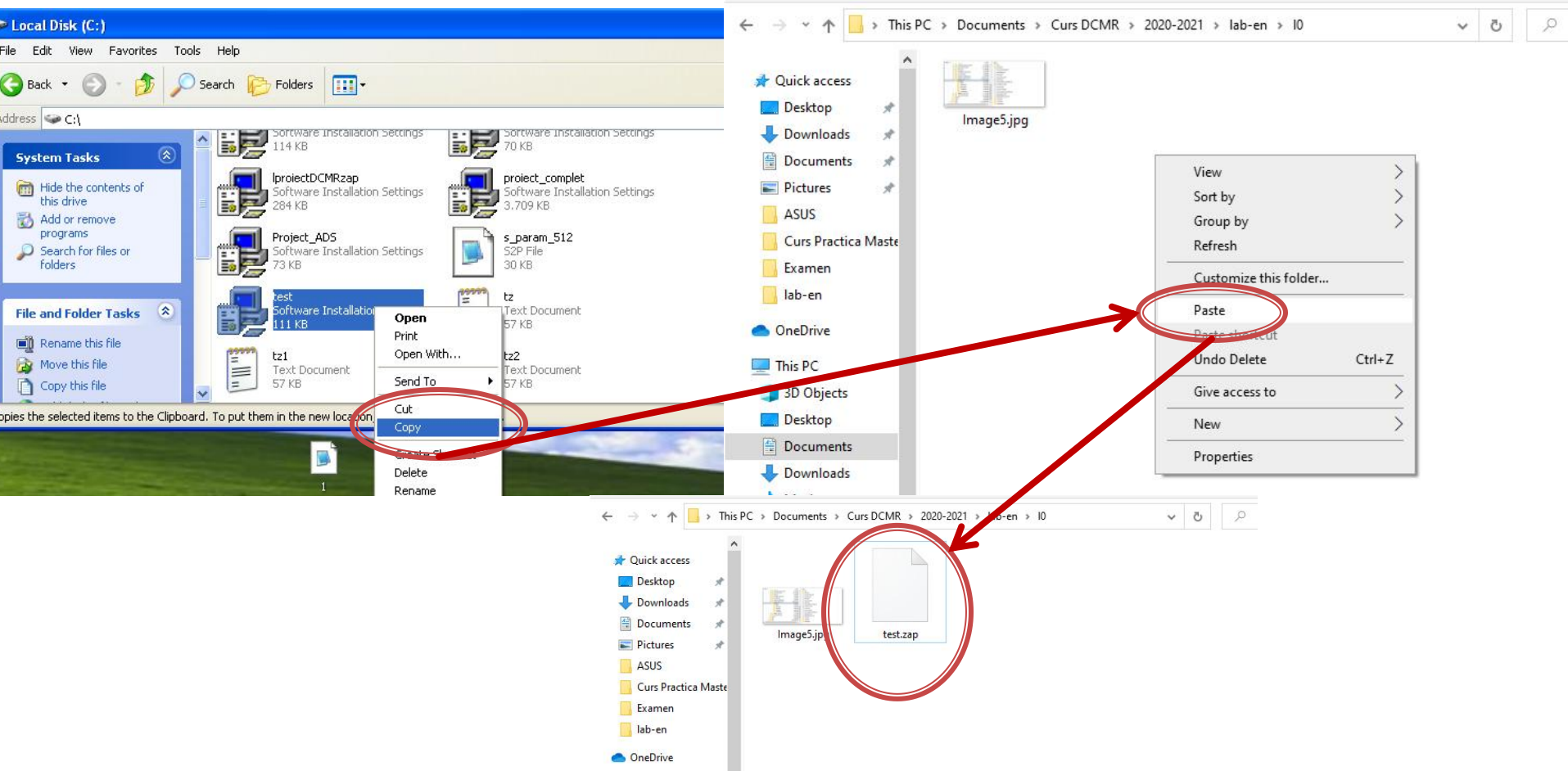


Depunere fisiere ZAP/Prinscreen

- Copiere fisier Zap (sau prinscreen) pe Host pentru depunere pe [rf-opto](#)
- Utilizare VMWare Tools (instalat)
 - Copy (Guest)
 - Paste (Host)
 - Drag'n'Drop

Depunere fisiere ZAP/Prinscreen

- Copy (**Guest**) / Paste (**Host**)



Contact

- Laboratorul de microunde si optoelectronica
- <https://rf-opto.etti.tuiasi.ro>
- rdamian@etti.tuiasi.ro