



Laborator de Automatizări

AMPLASAMENT

SALĂ	ADRESĂ	SUPRAFAȚĂ (mp)	NR. LOCURI
305A	Str. Observatorului 2, et. III	54	15

DOTARE

HARDWARE

1	Inteco Multitank System
2	NI Engineering Laboratory Virtual Instrumentation Suite (NI ELVIS)
3	QNET 2.0 Vertical take-off and landing board for NI Elvis
4	Myoelectric Trainer for NI ELVIS
5	Flotă de roboți reconfigurabili cu senzori
6	High-Performance Autonomous Ground Robot for Indoor Labs-Quanser
7	Feedback process trainer PT 326
8	Feedback Microprocessor Application Trainer MAT 385
9	„K + H Korea” – Analog Control System ACS 1000
10	PLC Siemens S7-1200 Training Panel
11	Simulatoare de proces ProSim
12	Modular Servo System
13	Sistem ABS didactic
14	Sistem aerodinamic cu doua rotoare
15	Calculator de proces NI PXI, MyRIO
16	Calculator MEDA + Sistem achiziție de date K 8055 (Velleman) cu PC
17	Stand experimental pentru studiul caracteristicilor de ordin fractionar ale fluidelor non-Newtoniene
18	Stand experimental - Smart beam system
19	Stand experimental - Experimental three floor building for active vibration suppression
20	Procese de laborator

SISTEME DE CALCUL

1	Rețea de calculatoare cu sistem de achiziție date (15 calculatoare în rețea)
2	Rețea de comunicații wireless

SOFTWARE

1	Windows 11
2	Microsoft Office 365
3	MATLAB / Simulink
4	LabView
5	ABS, TRAS, Servo, MultiTank Control / Simulation Toolbox for MATLAB / SIMULINK

DISCIPLINE

1	Ingineria Reglării Automate 1 / Control Engineering 1
2	Ingineria Reglării Automate 2 / Control Engineering 2

DATA

01.09.2025

RESPONSABIL LABORATOR

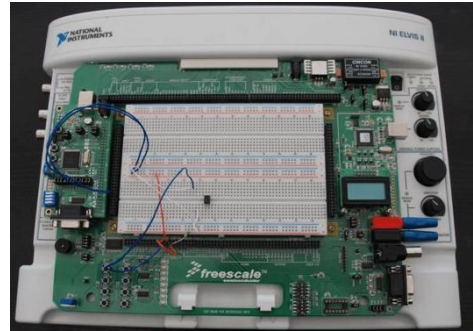
Prof.dr.ing. Eva H. DULF



IMAGINI DIN LABORATOR



Sistem de control nivel si debit cu 3 rezervoare – INTECO



NI Engineering Laboratory Virtual Instrumentation Suite (NI ELVIS)



QNET 2.0 Vertical take-off and landing board for NI Elvis



Myoelectric Trainer for NI ELVIS



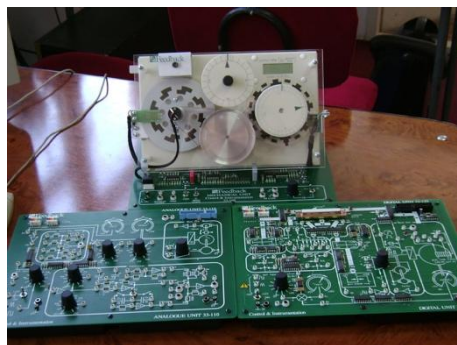
Flotă de roboți reconfigurabili cu senzori



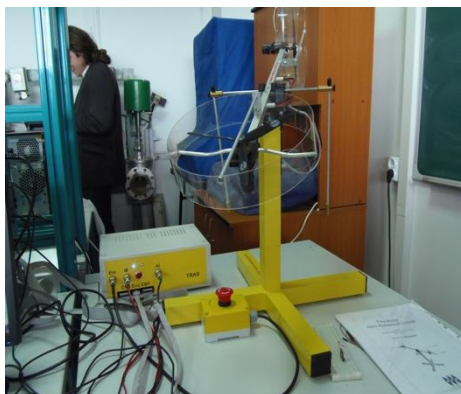
High-Performance Autonomous Ground Robot for Indoor Labs-Quanser



Sistem de control didactic cu feedback pentru reglarea temperaturii



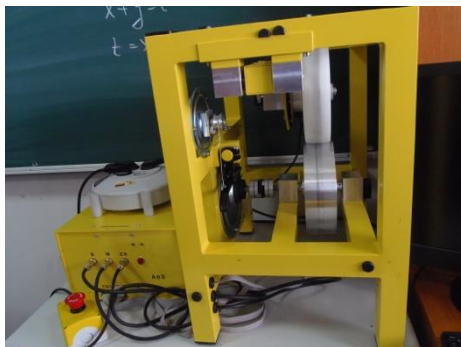
Sistem de control didactic cu feedback pentru un servomotor



Sistem de control cu doua rotoare (simulator de elicopter)



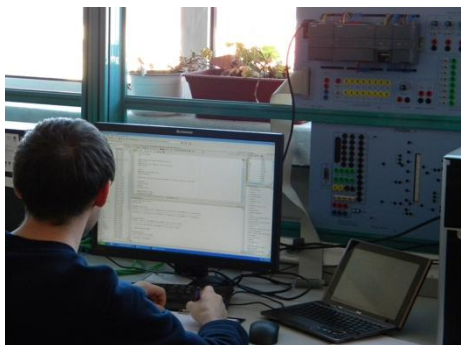
Sistem analogic de control ACS



Sistem didactic ABS-Inteco



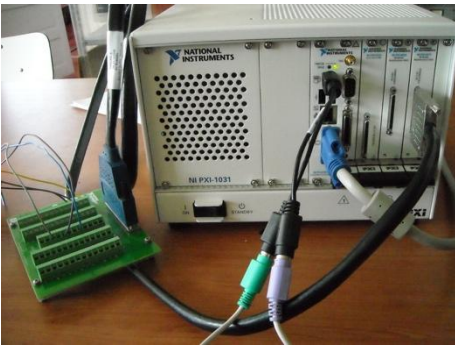
Sistem didactic de control servomotor Inteco



Sisteme PLC



Sistem didactic de control cu doua rezervoare



Calculator de proces PXI-NI



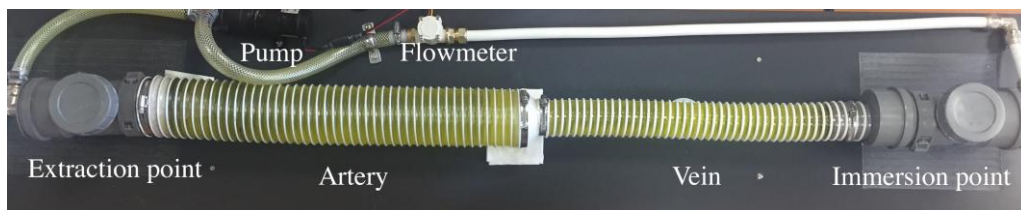
Sistem de reglare PID



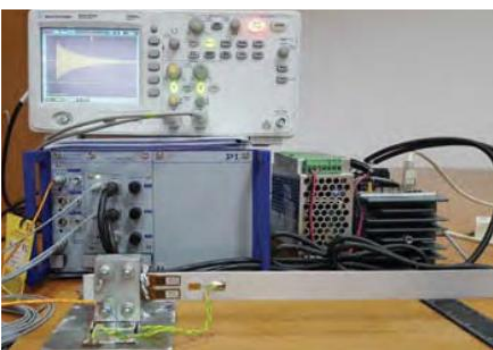
Sistem de control a temperaturii



Sistem de control cu regulator PID



Stand experimental pentru studiul caracteristicilor de ordin fracțional ale fluidelor non-Newtoniene



Stand experimental - Smart beam system



Stand experimental - Experimental three floor building for active vibration suppression