

AQTR 2014 Student Forum, Cluj-Napoca, Romania

<h1>Technical Program</h1>	
Saturday May 24	
<div style="display: flex; justify-content: space-between;"> Student Forum Session 1 Chair: Roxana BOTH </div>	
ROOM F14	
8 ⁰⁰ – 8 ²⁰	Fractional Order PI Controller Design Method , Marius Simion COSTANDIN (<i>Technical University of Cluj-Napoca</i>)
8 ²⁰ – 8 ⁴⁰	Limit Cycle based Controller Design Method , Marius-Simion COSTANDIN (<i>Technical University of Cluj-Napoca</i>)
8 ⁴⁰ – 9 ⁰⁰	Microcontroller Fractional Order PI controller Implementation , Radu P. IOJA (<i>Technical University of Cluj-Napoca</i>)
9 ⁰⁰ – 9 ²⁰	Fractional Order Model Reference Adaptive Control , István DEÁK (<i>Technical University of Cluj-Napoca</i>)
9 ²⁰ – 9 ⁴⁰	Fractional Order Adaptive Controller Design Method , Csaba FÜSTÖS (<i>Technical University of Cluj-Napoca</i>)
9 ⁴⁰ – 10 ⁰⁰	Control of a Magnetic Levitation System - the Internal Model Control based PID Strategy , Marton BOTOND (<i>Technical University of Cluj-Napoca</i>)
10 ⁰⁰ – 10 ²⁰	Active Mass Damper , Robert BALAN-RUS (<i>Technical University of Cluj-Napoca</i>)
<i>Coffee break</i>	
<div style="display: flex; justify-content: space-between;"> AQTR Student Forum Session 2 Chair: Ionuț MUNTEAN </div>	
ROOM F14	
10 ⁴⁰ – 11 ⁰⁰	Microcontroller and RF 434Mhz Communication based Monitoring and Control System , Nándor VERBA (<i>Technical University of Cluj-Napoca</i>), Zoltán NAGY (<i>Technical University of Cluj-Napoca</i>), Isabela BÎRS, (<i>Technical University of Cluj-Napoca</i>)
11 ⁰⁰ – 11 ²⁰	A DeltaV Dynamic Simulation Alternative of an Automation Gas Lift Process on an Oil Platform , Călin ANDREESCU (<i>Technical University of Cluj-Napoca</i>), Andreea GEORGHITĂ (<i>Emerson Process Management, Process Systems and Solutions</i>), Teodora COMAN (<i>Emerson Process Management, Process Systems and Solutions</i>)
11 ²⁰ – 11 ⁴⁰	Development of a Process Simulator for a Water Injection System using SEEDS , Andreea GEORGHITĂ (<i>Emerson Process Management, Process Systems and Solutions</i>), Teodora COMAN, (<i>Emerson Process Management, Process Systems and Solutions</i>), Călin ANDREESCU (<i>Technical University of Cluj-Napoca</i>)
11 ⁴⁰ – 12 ⁰⁰	The Importance of Process Simulation using SEEDS Applied to a Liquid Gas Separation Unit , Teodora COMAN (<i>Emerson Process Management, Process Systems and Solutions</i>), Andreea GEORGHITĂ (<i>Emerson Process Management, Process Systems and Solutions</i>), Călin ANDREESCU (<i>Technical University of Cluj-Napoca</i>)

AQTR 2014 Student Forum, Cluj-Napoca, Romania

12 ⁰⁰ – 12 ²⁰	High Precision Temperature Sensor using Oversampling Technique , Marius RAD (<i>Technical University of Cluj-Napoca</i>), Ovidiu MARIAN (<i>E-Terra Cluj-Napoca</i>)
12 ²⁰ – 12 ⁴⁰	Flue Gas Desulfurization , Alin NICOLAE (<i>Technical University of Cluj-Napoca</i>), Vlad MUREȘAN (<i>Technical University of Cluj-Napoca</i>)
12 ⁴⁰ – 13 ⁰⁰	Application of the OPC Technology in Position Control , Arpad NAGY (<i>Technical University of Cluj-Napoca</i>), Petre Ștefan SABĂU (<i>Technical University of Cluj-Napoca</i>)
13 ⁰⁰ – 13 ²⁰	Smart House, Future House , Andrei Lucian POP (<i>Technical University of Cluj-Napoca</i>)
Student Forum Session 3 ROOM H11	
Chair: Claudiu DOMUȚA	
8 ⁰⁰ – 8 ²⁰	Social Oriented Mobile Entertainment Solution , Andreea BOTH (<i>Technical University of Cluj-Napoca</i>), Adina MORARIU (<i>Linkscreens Cluj-Napoca</i>)
8 ²⁰ – 8 ⁴⁰	Simulator for Automated Car System , Iancu-Horațiu APAHIDEAN, (<i>Technical University of Cluj-Napoca</i>)
8 ⁴⁰ – 9 ⁰⁰	Cooperative Control of Railway Traffic , Mihai Florian ENACHE (<i>Technical University of Cluj-Napoca</i>)
9 ⁰⁰ – 9 ²⁰	Design and Implementation of a Control System for Small Power Hydro Plants , Arpad NYAGULY (<i>Technical University of Cluj-Napoca</i>), Dan MIRCESCU (<i>Hidroserv Cluj-Napoca</i>)
9 ²⁰ – 9 ⁴⁰	Air Traffic Monitoring , Denisa Melinda KUNCIK (<i>Technical University of Cluj-Napoca</i>)
9 ⁴⁰ – 10 ⁰⁰	Automatic Generation of SCADE Suite Project from Petri Nets , Zsolt KERESZTES (<i>Technical University of Cluj-Napoca</i>)
10 ⁰⁰ – 10 ²⁰	Tracking and Localization System using Android Mobile Phones , Adela PUȘCAȘIU (<i>Technical University of Cluj-Napoca</i>), Alexandra POP (<i>Technical University of Cluj-Napoca</i>)
<i>Coffee break</i>	
Student Forum Session 3 ROOM H11	
Chair: Claudiu DOMUȚA	
10 ⁴⁰ – 11 ⁰⁰	SMS Tracking System , Ioan Marcel ȘUT (<i>Technical University of Cluj-Napoca</i>)
11 ⁰⁰ – 11 ²⁰	Semi-automated Tool for Web Application Testing , Ioan IVAN (<i>Technical University of Cluj-Napoca</i>)
11 ²⁰ – 11 ⁴⁰	Analysis of DXF Files for Generating G Code , Irina DAN (<i>Technical University of Cluj-Napoca</i>)