

Friday 09:00-10:30	T₁S₁ AUTOMATION			T₁S₂ MECHATRONICS	
Friday 11:00-12:30	T₂S₁ AUTOMATION			T₂S₂ ELECTRONICS	
Friday 15:00-16:30	T₃S₁ AUTOMATION			T₃S₂ ELECTRONICS	
Friday 17:00-18:30	T₄S₁ AUTOMATION			T₄S₂ MECHATRONICS	
Saturday 09:00-10:30	T₅S₁₁ AUTOMATION	T₅S₁₂ AUTOMATION	T₅S₁₃ AUTOMATION	T₅S₂₁ MECHATRONICS	T₅S₂₂ ELECTRONICS

Section: T₁S₁ AUTOMATION

Chairman: Vladimir Răsvan, Octavian Păstravanu

1. Olaru Cristian, George Dragnea, Octavian Pastravanu - SIMULINK BLOCKSET FOR NEURO-FUZZY PREDICTIVE CONTROL
2. Pastravanu Octavian, Mihaela Matcovschi - INTERVAL MATRIX SYSTEMS – INVARIANT SETS AND STABILITY PROPERTIES
3. Futó Jozef, Martin Jaco, Karol Kostúr - CONTROL AND OPTIMISATION OF ROCK DISINTEGRATION BASED ON ACOUSTIC BACKGROUND OF DRILLING MACHINE
4. Matcovschi Mihaela, Constantin Popescu, Octavian Pastravanu - A NEW APPROACH TO HYBRID SYSTEM SIMULATION: DEVELOPMENT OF A SIMULINK LIBRARY FOR PETRI NET MODELS
5. Poanta Aron, Dojcsar Dan - FUZZY LOGIC CONTROL SYSTEM FOR THE AIR FLOW FROM THE TOXIC AND EXPLOSIVE AREAS
6. Rasvan Vladimir - NONLINEAR OSCILATIONS FOR AND AGAINST LIAPUNOV FUNCTIONS

Section: T₂S₁ AUTOMATION

Chairman: Vladimír Bobál, Dumitru Popescu

1. Chalupa Petr, Vladimír Bobál - DECENTRALIZED CONTROL OF THREE TANK SYSTEM USING LOGICAL SUPERVISOR
2. Dostál P., V. Bobál - DESIGN OF CONTROLLERS FOR STABLE AND UNSTABLE SYSTEMS WITH TIME DELAY
3. Francisco J. Barrientos García, Isaac García Incertis, Félix Miguel Trespaderne, Eusebio de la Fuente López, José R. Perán González - REMOTE MONITORING AND AUTOMATIC ADJUSTMENT OF A FLEXIBLE MANUFACTURING CELL
4. Lupu Ciprian, Catalin Petrescu, Dumitru Popescu - SWITCHING IN MULTIPLE MODELS CONTROL SYSTEMS
5. Petrescu C., C. Lupu, D. Popescu - Advanced Control for Steelmaking Plants
6. Leba Monica, Emil Pop - IDENTIFICATION AND EMBEDDED-SOFTWARE AUTOMATION FOR WATER DRAIN PROCESS

Section: T₃S₁ AUTOMATION

Chairman: Tiberiu Coloși, Mihail Abrudean

1. Dulf Eva – Henrietta, Clement FESTILA - (15N) ISOTOPE SEPARATION COLUMN: SIMPLIFIED MODEL FOR CONTROL AND SIMULATION
2. Dulf Eva – Henrietta, Mihail Abrudean, Tiberiu Coloși, Mihaela Unguresan - MODELING AND SIMPLIFIED NUMERICAL SIMULATION OF THE (N15) ISOTOPIC SEPARATION COLUMN USING THE OPERATOR MATRIX (M_{dp}x)
3. Dulf Eva – Henrietta, Tiberiu Coloși, Mihail Abrudean, Mihaela Unguresan - MODELING AND NUMERICAL SIMULATION OF FIRST AND SECOND ORDER DISTRIBUTED PARAMETERS PROCESSES, USING THE (M_{dp}x) OPERATING MATRIX
4. Ungureșan Mihaela, Ligia, Mihail Abrudean, Tiberiu Coloși - NONLINEAR-EXPONENTIAL NUMERICAL MODELLING AND SIMULATION OF THE KINETIC RAPID REDOX REACTION CU₂⁺ WITH S₂O₃²⁻
5. Feștilă Rodica, Vasile Tulbure, Eva Dulf Clement Feștilă - QUASI-EXTREMUM SCALAR CONTROL FOR INDUCTION TRACTION MOTORS - RESULTS OF SIMULATION
6. Dumitriu Teodor, Nicolaos Antonio Cutululis, Emil Ceanga - HARDWARE-IN-THE-LOOP SIMULATION RIG FOR INVESTIGATION OF FRICTION COMPENSATION AND CONTROL SYSTEMS

Section: T₄S₁ AUTOMATION
Chairman: Ioan Ursu, Dan Popescu

1. Ursu Ioan, Felicia Ursu - NEW RESULTS IN BACKSTEPPING DESIGN FOR ELECTROHYDRAULIC SERVOS: ADAPTIVE CONTROL SYNTHESIS
2. Popescu Marius Constantin - THE DESIGN OF CONTROL OF A KITCHEN REFRIGERATOR
3. Popescu Marius Constantin, Petrișor Anca - MODELS FOR OPTIMAL CONTROL OF THE AIR-CONDITIONING VARIABLES FROM VENTILATED ROOMS
4. Spatari Ovidiu, Petru Rosca - PROJECT METHOD FOR WEIGHING ELECTRODYNAMIC CELLS
5. Mirea Letitia, Lavinia Ferariu - COMPONENT FAULT DIAGNOSIS USING CO-ACTIVE NEURO-FUZZY SYSTEMS
6. Budura Georgeta - NONLINEAR SYSTEMS IDENTIFICATION USING THE VOLTERRA MODEL

Section: T₅S₁₁ AUTOMATION
Chairman: Emil Petre, Clement Feștila

1. Bistriceanu Ionuț, Constanța Bistriceanu - WATER DISTRIBUTION NETWORK MODELING FOR THE TOWN BAILESTI
2. Bistriceanu Ionuț, Constanța Bistriceanu - STUDY REGARDING THE INTEGRATION CONDITIONS OF THE WATER SUPPLY NETWORK HYDRAULIC MODEL WITH A SCADA SYSTEM
3. Nicola Marcel - SOME NEW RESULTS OF STABILITY OF SYSTEMS WITH SATURATION IN COMMAND AND MULTIPLE DELAY IN COMMAND
4. Degeratu Profir, Popescu Marius, Boteanu Niculae - OPTIMAL CONTROL BY ENERGETIC CRITERIUM OF DRIVING SYSTEMS ACCELERATION WITH STATIC TORQUE FUNCTION OF SPEED-SOLUTION THROUGH DIGITAL SIMULATION -
5. Constantin Nicolae - ADVANCED ITERATIVE LEARNING CONTROLLERS FOR ROBOTIC SYSTEMS
6. Constantin Nicolae - ADVANCED PREDICTIVE CONTROL FOR COMPLEX PROCESSES
7. Marcel Trica, Mihai Sorin Leu - PROCONTROL SYSTEM PRESENTATION – TURCENI POWER PLANT

Section: T₅S₁₂ AUTOMATION
Chairman: Constantin Marin, Eugen Bobașu

1. Danciu Daniela - GLOBAL EXPONENTIAL STABILITY OF HOPFIELD-TYPE NEURAL NETWORKS WITH TIME DELAYS
2. Iancu Eugen - FAULT DETECTION AND ISOLATION USING SPECTRAL ANALYSIS
3. Ionela Iancu, Eugen Iancu - CONTROL SYSTEM FOR INSULIN PUMPS IN THE MELLITUS DIABETES TREATMENTS
4. Marin Constantin, Emil Petre, Dan Selișteanu, Dorin Șendrescu, Anca Petrișor - TIME VARIANT NONLINEAR SYSTEM IDENTIFICATION BY DISTRIBUTIONS; APPLICATION FOR WASTEWATER BIODEGRADATION PROCESS
5. Popa Monica Gabriela, Eugen Bobașu - MODELING AND SIMULATION OF HYDRAULIC SYSTEMS USING BOND GRAPH METHOD
6. Bujgoi Gheorghe - ROBUST FILTER DESIGN FOR UNCERTAIN STOCHASTIC TIME-DELAY SYSTEMS

Section: T₅S₁₃ AUTOMATION
Chairman: Matei Vîntor, Eugen Iancu

1. Matei Virginia, Gabriel Vladut, Aurel Mogosan, Henk Blaauw, Bert De Vries, Petra Seiwert, Alexander Kampfer - EMISSION FACTORS IN INLAND NAVIGATION
2. Mogosan Aurel, Irina Constantinescu, Pantelie Raicu, Constantin Rusta, Ana-Maria Mogosan - UP-DATING OF PLANE WATER GATES FROM HYDROPOWER STATIONS AND DAMS
3. Mogosan Aurel, Doru Ioan Bucur, Valentin Kese - PRODUCTION DISPATCHING IN OPEN PITS; EQUIPMENT TO ESTIMATE THE QUANTITY OF EXCAVATED MATERIAL WITH ENERGETIC METHODS
4. Maican Camelia - CONTROL OF THE WATER TEMPERATURE AT ECONOMIZER FOR THE 420 t/h BOILER
5. Vîntor Matei - OPTIMAL POWER SHARING BETWEEN STEAM POWER BLOCKS
6. Șendrescu Dorin, Woihida Aggoune-Bouras - STABILITY ANALYSIS OF VEHICLE FOLLOWING CONTROL SYSTEMS

Section: T₁S₂ MECHATRONICS
Chairman: Lazăr Corneliu, Mircea Nițulescu

1. Badea Diana Mura , Tudor Guta, Dumitru Vlad, Petre Munteanu - EQUIPMENT FOR TESTING THE TIGHTNESS, THE ALTIMETERS AND THE SPEEDOMETERS FROM AIRCRAFT'S BOARD
2. Bajenaru Valentina , Vlad DUMITRU - EQUIPMENT FOR TESTING & CHECKING THE TECHNICAL CHARACTERISTICS OF PRESSURE TRANSDUCERS IN A NON-STEADY REGIME.
3. Lazar C., E. Casandra, A. Lungu - MOTION RECOVERY BASED ON FEATURE EXTRACTION FROM IMAGE SEQUENCES
4. Purcaru Dorina , Elena Niculescu - ON THE ESTIMATION OF THE REGION OF THE ACCEPTED TOLERANCE IN SHAPE RECOGNITION
5. Vlad Dumitru, Eugeniu Conduratelyanu - INSTRUMENTS FOR MEASUREMENT & CONTROL OF PRESSURE AND TEMPERATURE, DEDICATED TO THE INCREASE OF CONFORT AND SAFETY OF RAILWAY CARS
6. Comsa Ciprian, Robert Mitrica, Mircea Nitulescu, Gabriel Vladut - VIRTUAL ROBOT CENTER

Section: T₂S₂ ELECTRONICS
Chairman: Mircea Bodea, Mircea Mihaiu

1. Danchiv Andrei, Mircea Bodea, Claudius Dan - OPTIMUM DESIGN OF FREQUENCY SELECTIVE AMPLIFIER INTENDED FOR CHOPPER STABILIZED APPLICATIONS
2. Neğuț Alexandru, Alexandru Nicolin, Mircea Bodea, Claudius Dan - PARASITICS ACCOMMODATION IN THE CLASS-E POWER AMPLIFIER DESIGN
3. NEGUȚ Alexandru, Mircea BODEA, Claudius DAN - A CMOS LOW VOLTAGE CLASS-E POWER AMPLIFIER FOR UMTS
4. Mamo Cristian, Cosmin Popa - SUPERIOR-ORDER CURVATURE-CORRECTED CMOS VOLTAGE REFERENCE USING A THRESHOLD VOLTAGE EXTRACTOR AND AN ASYMMETRICAL DIFFERENTIAL AMPLIFIER
5. Popa Cosmin - A NEW CURRENT-MODE PSEUDO-EXPONENTIAL CIRCUIT WITH AN n-th ORDER APPROXIMATION
6. Popa Cosmin - PERFORMANT CMOS ACTIVE RESISTOR BASED ON IMPROVED LINEARITY DIFFERENTIAL STRUCTURES
7. Vladut Gabriel, Petre-Marian Nicolae - Measurement of the parameters for electric energy quality

Section: T₃S₂ ELECTRONICS
Chairman: Florescu Adriana, Vintilă Filipescu

1. Cipcigan Liana, Mircea Chindris, Adrian Rusu, Khalid Rashed - HARMONIC FILTER FOR POWER QUALITY IMPROVEMENT
2. Florescu Adriana, Constantin Radoi - DC-DC STEP-UP/DOWN CONVERTER USED TO DESIGN A SWITCHING POWER SUPPLY. PART A
3. Florescu Adriana, Constantin Radoi - DC-DC STEP-UP/DOWN CONVERTER USED TO DESIGN A SWITCHING POWER SUPPLY. PART B
4. Ioan D., G. Ciuprina, W. Schilders, W. Schoenmaker, M. Stucchi, E. Seebacher, D. D. Zutter, J. Maubach - COMPACT MODELING OF PASSIVE ON CHIP COMPONENTS - EUROPEAN RESEARCH PROJECT FP5/IST/CODESTAR
5. Moscalu Mihaela, Petre-Daniel Ionescu, Alin Moscalu - PWM DC-DC ZERO-VOLTAGE SWITCHING RESONANT BRIDGE CONVERTER
6. Șchiop Adrian - PSPICE SIMULATION OF POWER ELECTRONICS CIRCUIT AND VECTOR CONTROL OF AC DRIVES
7. Trip Nistor Daniel, Schiop Adrian, Gordan Cornelia, Reiz Romulus - NEW ASPECTS REGARDING THE ANALYSIS OF THE ASYNCHRONOUS MOTORS WITH DELTA MODULATION CONTROL

Section: T₄S₂ MECHATRONICS
Chairman: Tihamér Ádám, Doru Pănescu

1. Ballagi Áron, Tihamér Ádám - INTELLIGENT CONTROL OF AUTONOMOUS MOBILE ROBOT: A DSP IMPLEMENTATION
2. Labakhua L., U. Nunes, F. Leite, R. Rodrigues - TRAJECTORY PLANNING METHODS FOR AUTONOMOUS CAR-LIKE VEHICLES
3. Basca Cosmin, Mihai Talos, Remus Brad - HUMANOID ROBOTI WITH VISION RECOGNITION CONTROL SYSTEM

4. Lazea Gh., R. Robotin, S. Herle, F. Cotofan - MOBILE ROBOT NAVIGATION IN DYNAMIC ENVIRONMENTS USING PATH PLANNING ALGORITHMS WITH FOCUSING HEURISTIC
5. Pănescu Doru, Sorin Miron - ON CLIPS MULTIAGENT SYSTEM IMPLEMENTATION FOR A MULTI-ROBOT APPLICATION
6. Stanciu Valerian Septimiu, Stefan Dan - AN EXPLORATORY STUDY FOR A SOFTWARE INTEGRATED CONTROLLER OF A CMM

Section: T₅S₂₁ MECHATRONICS
Chairman: Dorian Cojocaru, Viorel Stoian

1. Nițulescu Mircea - AUTOMATIC HANDLING DEVICES WITH MEMORIZED PATH
2. Bîzdoacă Nicu-George, Degeratu Sonia, Diaconu Ilie, Bîzdoacă Elvira, Petrișor Anca, Daniela Pătrașcu - BEHAVIOR BASED CONTROL FOR ROBOTICS DEMINING
3. Ivănescu Mircea, Dorian Cojocaru, Nirvana Popescu, Decebal Popescu, Răzvan Tudor Tănasie - A 3D VISUAL SERVOING SYSTEM
4. Cojocaru Dorian, Raluca Vidican, Bogdan Prună - EXPERIMENTS IN HUMAN FACE DETECTION AND RECOGNITION
5. Dinulescu Ionuț, Dorin Popescu, Gabriel Terejanu, Andras Marinescu - WEB BASED TELEMATICS APPLICATION USING OPEN-SOURCE TECHNOLOGIES
6. Patrascu Pana Daniela, Bizdoaca Nicu, Pana Cristina - OBSTACLE AVOIDANCE FOR REDUNDANT MANIPULATORS USING ARTIFICIAL POTENTIAL METHOD

Section: T₅S₂₂ ELECTRONICS
Chairman: Elena Doicaru, Traian-Titi Șerban

1. Doicaru Elena - THE CMOS TRANSLINEAR NETWORK IMPLEMENTATION OF POLINOMIAL APPROXIMATED FUNCTIONS
2. Doicaru Elena, Gheorghe Grama - PHASE LOCKED LOOP BEHAVIORAL MODELING
3. Filipescu Vintila Florin, Florin Catalin Gheorghiu - WEBCAM SECURITY SYSTEM
4. Filipescu Vintila Florin, Octavian Barbu, George Ionita - MOBILE PHONE SECURITY SYSTEM
5. Mihaiu Mircea, Gheorghe Grama - ELECTRONIC DESIGNS VERIFICATION BY WORST CASE CIRCUIT ANALYSIS METHOD
6. Șerban Traian-Titi, Dan-Ovidiu Andrei - ASIC BASED DESIGNS FOR ENERGY METERS
7. Cerbulescu Dănilă - CONVERTERURS A PLUSIEURS NIVEAUX –DEUX DISPOSITIFS SUR BRAS EN CONDUCTION
8. Cerbulescu Dănilă - CONVERTERURS A PLUSIEURS NIVEAUX –TROIS DISPOSITIFS SUR BRAS EN CONDUCTION
9. Crăciunaș Gabriela - TWO-PHASE INDUCTION MACHINE BEHAVIOR AT TRANSIENT REGIME RUNNING