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Technical Program for Thursday October 25, 2018

ThAA	Nexus building (second floor), Room 2.10
Robust and Multivariable Control (Regular Session)	
Chair: Tadeo, Fernando	Univ. of Valladolid
Co-Chair: Visioli, Antonio	University of Brescia
08:30-08:50	ThAA.1
<i>Smooth 3D Path Planning for Non-Holonomic UAVs</i> , pp. 1-6.	
Vanegas, Gloria Isabel	Universitat Politècnica De València
Samaniego, Franklin Eduardo	Universitat Politècnica De València
Girbés, Vicent	Universitat Politècnica De València
Armesto, Leopoldo	None
Garcia-Nieto, Sergio	Universitat Politècnica De Valencia
08:50-09:10	ThAA.2
<i>Multivariable Controller for Stationary Flat Plate Solar Collectors</i> , pp. 7-12.	
Tosi, Andrea	University of Brescia
Roca, Lidia	Psa - Ciemat
Gil, Juan Diego	University of Almería
Visioli, Antonio	University of Brescia
Berenguel, Manuel	University of Almería
09:10-09:30	ThAA.3
<i>Comparative Study of 3-Dimensional Path Planning Methods Constrained by the Maneuverability of Unmanned Aerial Vehicles</i> , pp. 13-20.	
Samaniego, Franklin Eduardo	Universitat Politècnica De València
Sanchis, Javier	Polytechnical University of Valencia
Garcia-Nieto, Sergio	Universitat Politècnica De Valencia
Simarro, Raul	Universitat Politècnica De València
09:30-09:50	ThAA.4
<i>On the P-D State Feedback Controller Design for the Common Triangular Decoupling of Multi Model Descriptor Systems</i> , pp. 21-27.	
KOUMBOULIS, FOTIOS	Technological Education Institute of Sterea Ellada
09:50-10:10	ThAA.5
<i>Static Output Feedback Control with H_∞ Performance for 2-D Discrete Systems in Roesser Model</i> , pp. 28-33.	
Badie, Khalid	Khalid.badie@usmba.ac.ma
Alfidi, Mohamed	Faculte Des Sciences Dhar Mehrez
Tadeo, Fernando	Univ. of Valladolid
Chalh, Zakaria	National School of Applied Sciences
10:10-10:30	ThAA.6
<i>Fault Detection for Uncertain Switched Systems with Time-Varying State Delay</i> , pp. 447-453.	
Benzaouia, Abdellah	Faculty of Science Semlalia
Telbissi, Kenza	University Cadi Ayyad

ThAB	Nexus building (second floor), Room 2.11
Fault Detection and Diagnostics (Regular Session)	
Chair: BOSCHE, Jérôme	University of Picardie Jules Verne of Amiens
Co-Chair: Chafouk, Houcine	Irseem / Esigelec
08:30-08:50	ThAB.1
<i>Stabilization and Fault Detection for Takagi-Sugeno System Application to a Bioreactor</i> , pp. 59-64.	
BOUAKOU, MOHAMMED	Cadi Ayyad University, Faculty of Sciences Marrakesh
Channa, Rafik	Cadi Ayyad University, Faculty of Sciences Marrakesh
Benzaouia, Abdellah	Faculty of Science Semlalia
08:50-09:10	ThAB.2
<i>Unknown Input Observer Design for Faults Estimation Using Linear Parameter Varying Model. Application to Wind Turbine Systems</i> , pp. 45-50.	
Li, Shanzhi	Nanjing University of Science and Technology
WANG, Haoping	Nanjing University of Science and Technology
Aitouche, Abdel	CRISTAL/HEI
Christov, Nicolaï	Université Des Sciences Et Technologies De Lille
09:10-09:30	ThAB.3
<i>Enhanced Kalman Filter through Modified Empirical Mode Decomposition for Wind Profile Exogenous Disturbance Extraction & Isolation in Wind Turbines</i> , pp. 51-58.	
Salameh, Jack	Université De Poitiers
Cauet, Sebastien	University of Poitiers
etien, erik	University of Poitiers
Sakout, Anas	Université De La Rochelle
Rambault, Laurent	E.s.i.p
09:30-09:50	ThAB.4
<i>H_∞/H_∞ Fault Detection Proportional Integral Observer for Uncertain T-S Fuzzy Systems</i> , pp. 40-44.	
MAKNI, Salama	ENIG
Bouattour, Maha	National Engineering School of Sfax
El hajjaji, ahmed	University of Picardie Jules Verne
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia
Bosche, Jerome	University of Picardie Jules Verne
09:50-10:10	ThAB.5
<i>Diagnosis of a Permanent Magnet Synchronous Generator Using the Extended Kalman Filter and the Fast Fourier Transform</i> , pp. 65-70.	
Gliga, Lavinus Ioan	"Politehnica" University of Bucharest, Faculty of Automatic Cont
Chafouk, Houcine	Irseem / Esigelec
Popescu, Dumitru	Politehnica University of Bucharest
Lupu, Ciprian	Politehnica University of Bucharest
10:10-10:30	ThAB.6
<i>Fault Sensor Detection and Estimation Based on LPV Observer for Vehicle Lateral Dynamics</i> , pp. 71-77.	
ALARIDH, IBRAHIM	University of Lille
Aitouche, Abdel	CRISTAL/HEI
Zemouche, Ali	University of Lorraine

ThAC	Nexus building (second floor), Room 2.12
Optimization (Regular Session)	
Chair: de Prada, Cesar	University of Valladolid
08:30-08:50	ThAC.1
<i>Tuning DMC Controller Using Multi-Objective Optimization for the CIC2018 Benchmark Challenge</i> , pp. 78-84.	
Babiera, Carlos	Universitat Politècnica De València
Herrero Durá, Juan Manuel	Polytechnic University of Valencia
Sanchis, Javier	Polytechnical University of Valencia
Blasco, Xavier	Universitat Politècnica De Valencia
08:50-09:10	ThAC.2
<i>Modifier Adaptation Using Transient Measurements to Compute Plant Gradients</i> , pp. 85-92.	
Rodriguez-Blanco, Tania	University of Valladolid
Sarabia, Daniel	University of Burgos
de Prada, Cesar	University of Valladolid
09:10-09:30	ThAC.3
<i>Algorithms for the Estimation of the Region of Attraction with Positively Invariant Sets</i> , pp. 93-98.	
Iannelli, Andrea	University of Bristol
Marcos, Andres	University of Bristol
Lowenberg, Mark	University of Bristol
09:30-09:50	ThAC.4
<i>Design and Control of Standalone Wind Powered Water Pumping System</i> , pp. 99-104.	
BENZAOUIA, Soufyane	LGEM - Université Mohamed Premier - Oujda / MIS - Université De
RABHI, ABDELHAMID	MIS
ZOUGGAR, Smail	University Mohammed First Oujda, Maroc
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
09:50-10:10	ThAC.5
<i>Optimal Operation of a Residential Energy Hub</i> , pp. 105-110.	
rasouli dogaheh, zahra	Universitat Politècnica De Catalunya
Puig, Vicenç	Universitat Politècnica De Catalunya (UPC)
10:10-10:30	ThAC.6
<i>H_infinity Sliding Window Observer Design for Lipschitz Discrete-Time Systems</i> , pp. 111-116.	
GASMI, Noussaiba	University of LORRAINE
Boutayeb, M.	Lorraine University
THABET, ASSEM	University of Gabes
Aoun, Mohamed	National Engineering School of Gabes, Tunisia. Research Unit Of

ThAD	Nexus building (second floor), Room 2.13
Autonomous System (Regular Session)	
Chair: Choukchou-Braham Amal, Amal	Université De Tlemcen
08:30-08:50	ThAD.1
<i>Cooperative System with UAV and UGV for Disaster Area Exploration</i> , pp. 117-122.	
Hakukawa, Takaya	Nihon University
Uchiyama, Kenji	Nihon University
Masuda, Kai	Nihon University
08:50-09:10	ThAD.2
<i>Fault Tolerant Adaptive Control Using Time Delay Control Scheme under Motor Faults of Octocopter</i> , pp. 123-128.	
Lee, Jangho	Korea Aerospace Research Institute
Ryu, Hyeok	Korea Aerospace Research Institute
Lee, Dasol	Korea Advanced Institute of Science and Technology
Shim, David Hyunchul	Korea Advanced Institute of Science and Technology
Shin, Dongho	Korea University of Technology and Education
09:10-09:30	ThAD.3
<i>Extended State Observer Based Hierarchical Control for Quadrotor UAV</i> , pp. 129-136.	
Mouad, Kahouadji	Université De Tlemcen
Mokhtari, Mohammed Rida	Université Aboubekr Belkaid Tlemcen
Choukchou-Braham Amal, Amal	Université De Tlemcen
Cherki Brahim, Brahim	Université De Tlemcen
09:30-09:50	ThAD.4
<i>DSPACE Real-Time Implementation of Sliding Mode Maximum Power Point Tracker for Photovoltaic System</i> , pp. 137-141.	
boutabba, tarek	University of Batna "algeria"
DRID, Said	University of Batna
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
Mehdi, Driss	Université De Poitiers
Benbouzid, Mohamed	University of Brest
Alibi, Abdelaali	University of Batna 2
ouriagli, mohammed	Faculté Polydisciplinaire De Taza Université Sidi Mohammedben Abd
09:50-10:10	ThAD.5
<i>Experimental Control of a Doubly Fed Induction Generator Based Wind Energy Conversion System</i> , pp. 142-147.	
Nouha Bouchiba, Nouha Bouchiba	Commande Des Machines Electriques Et Réseaux De Puissance (CMERP)
sallem, Souhir	ENIS
Keskes Salma, Keskes Salma	National Engineering School of Sfax, ENISin National Engineering
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
DRID, Said	University of Batna
KAMMOUN Mohamed Ben Ali, KAMMOUN Mohamed Ben Ali	Research Unit: Commande Des Machines Electriques Et Reseaux De P
10:10-10:30	ThAD.6
<i>On Fault Detection and Isolation Applied on Unicycle Mobile Robot Sensors and Actuators</i> , pp. 148-153.	
MELLAH, Samia	Laboratoire Informatique & Systèmes -Aix Marseille Université
Graton, Guillaume	Ecole Centrale De Marseille
EL ADEL, El mostafa	University AIX Marsille III
Ouladsine, Mustapha	Université D'aix Marseille III
Planchais, Alain	STMicroelectronics

ThBA	Nexus building (second floor), Room 2.10
Renewable Energy and Power Systems (Regular Session)	
Chair: DRID, Said	University of Batna
11:00-11:20	ThBA.1
<i>An Advanced Energy Management System with an Economical Optimization for a Multi-Sources Stand-Alone Home</i> , pp. 154-159.	
Alnejaili, Tareq	Poitiers University
Mehdi, Driss	Université De Poitiers
DRID, Said	University of Batna
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
Alibi, Abdelaali	University of Batna 2
11:20-11:40	ThBA.2
<i>The Dynamic Control and Optimal Management of the Energy in the Case of a Territory Isolated in Batna City</i> , pp. 160-163.	
Sahraoui, HAMZA	Batna University 2
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
Alnejaili, Tareq	Poitiers University
DRID, Said	University of Batna
Mehdi, Driss	Université De Poitiers
ouriagli, mohammed	Faculté Polydisciplinaire De Taza Université Sidi Mohammedben Abd
Bussy, Pascal	Université De Picardie Jules Verne
11:40-12:00	ThBA.3
<i>Control and Optimal Management of a Multi-Source Energy System</i> , pp. 164-168.	
Alnejaili, Tareq	Poitiers University
Mehdi, Driss	Université De Poitiers
Sahraoui, HAMZA	Batna University 2
DRID, Said	University of Batna
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
Alibi, Abdelaali	University of Batna 2
12:00-12:20	ThBA.4
<i>A New Maximum Power Point Tracking Algorithm for Partial Shaded Photovoltaic Systems</i> , pp. 169-173.	
RADJAI, Tawfik	1Optics Department, Institute of Optics and Precision Mechanics
GAUBERT, JEAN-PAUL	Univerty of Poitiers
RAHMANI, Lazhar	Laboratoty of Automatic, University of Ferhat Abbas SETIF-1
12:20-12:40	ThBA.5
<i>Simulation and Real Time Implementation of Direct Power Control Applied to Parallel Active Filtering Based on Fuzzy Logic Controller</i> , pp. 174-179.	
OUCHEN, Sabir	Laboratory of Electrical Drives and Power Electronics of Applied
GAUBERT, JEAN-PAUL	Univerty of Poitiers
Steinhart, Heinrich	Laboratory of Electrical Drives and Power Electronics of Applied
Blaabjerg, F.	Aalborg University, Institute of Energy Technology
betka, achour	University of Biskra
12:40-13:00	ThBA.6
<i>Control and Fuzzy Logic Supervision of a Wind Power System with Battery/Supercapacitor Hybrid Energy Storage</i> , pp. 180-187.	
krim, youssef	National Engineering School of Monastir
ABBES, Dhaker	High Engineering School of Lille (HEI-Lille)
KRIM, Saber	University of Monastir
Mimouni, Mohamed faouzi	University of Monastir Tunisia
13:00-13:20	ThBA.7
<i>Learning Upper-Level Policy Using Importance Sampling-Based Policy Search Method</i> , pp. 188-193.	
Pastor Alcaraz, Jose Manuel	Universitat Politècnica De València
Díaz Iza, Henry Paul	Universidad Politécnica De Valencia
Armesto, Leopoldo	None
Esparza, Alicia	Universitat Politècnica De Valencia
Sala, Antonio	Univ. Politecnica De Valencia

ThBB	Nexus building (second floor), Room 2.11
Control Applications I (Regular Session)	
Chair: KOUMBOULIS, FOTIOS	Technological Education Institute of Sterea Ellada
Co-Chair: Oudghiri, Mohammed	University of Picardie Jules Verne
11:00-11:20	ThBB.1
<i>Independent Velocity Control of the Longitudinal Motion of Quadrotors</i> , pp. 194-200.	
KOUMBOULIS, FOTIOS	Technological Education Institute of Sterea Ellada
Kouvakas, Nikolaos	Sterea Ellada Institute of Technology
11:20-11:40	ThBB.2
<i>Development of Electro-Thermal Model of Lithium-Ion Battery for Plug-In Hybrid Electric Vehicles</i> , pp. 201-206.	
Shoeb, Walaa	Faculty of Electronic Nginieering
Kamal, Elkhatib	LAGIS FRE CNRS 3033, Lille, France
Aitouche, Abdel	CRISTAL/HEI
SOPEH, ABDEL-AZIM	Faculty of Electronic Nginieering
11:40-12:00	ThBB.3
<i>Event-Based Cascade Controller for Nitrogen Removal in Wastewater Treatment Plant</i> , pp. 207-212.	
Vilanova, Ramon	Universitat Autònoma De Barcelona
Pedret, Carles	Universitat Autònoma De Barcelona
Santin, Ignacio	Universitat Autònoma De Barcelona
Barbu, Marian	Dunarea De Jos University of Galati
12:00-12:20	ThBB.4
<i>Fault Estimation and Tolerant Control for Vehicle Lateral Dynamics</i> , pp. 213-218.	
El Youssfi, Naoufal	USMBA
Oudghiri, Mohammed	University of Picardie Jules Verne
12:20-12:40	ThBB.5
<i>A Backstepping Torque Control of a Five Phase Permanent Magnet Synchronous Machine</i> , pp. 219-223.	
sari, Bilal	Setif University
Benkhoris, Mohamed Fouad	Polytech Nantes, Université De Nantes
HAMIDA, Mohamed Assaad	Ecole Centrale De Nantes, IRCCyN
Chouaba, Seif Eddine	University of Setif
12:40-13:00	ThBB.6
<i>Advanced Disturbance Rejection Control of Smart Flexible Structures</i> , pp. 224-229.	
Nestorovic, Tamara	Ruhr-Universitaet Bochum
Oveisi, Atta	Mechanik Adaptiver Systeme, Institut Computational
13:00-13:20	ThBB.7
<i>Mras Sensorless Speed Control of an Induction Motor Drive Based on Fuzzy Sliding Mode Control</i> , pp. 230-236.	
fereka, Dhaouia	National High School of Oran
Zerikat, Mokhtar	Ecole Normale Supérieure De l'Enseignement Technique D'Oran
belaidi, abdelkader	High National Polytechnic School of Oran Maurice Audin

ThBC	Nexus building (second floor), Room 2.12
Renewable Energy (Regular Session)	
Co-Chair: Aitouche, Abdel	CRISTAL/HEI
11:00-11:20	ThBC.1
<i>A Survey on Energy Management and Blockchain for Collective Self-Consumption</i> , pp. 237-243.	
Stephant, Matthieu	Univ. Lille, Arts Et Metiers ParisTech, Centrale Lille, HEI, EA
Hassam-Ouari, Kahina	HEI Lille
ABBES, Dhaker	High Engineering School of Lille (HEI-Lille)
Labrunie, Antoine	GB Solar
Robyns, benoit	HEI-L2EP
11:20-11:40	ThBC.2
<i>Control of Energy Transfer between a Storage Battery and the Electricity Grid</i> , pp. 244-250.	
Khabou, Hajer	ENIS, LAB-STA
Souissi, Mansour	Engineering School of Sfax, Tunisia
Aitouche, Abdel	CRISTAL/HEI
11:40-12:00	ThBC.3
<i>Impacts of PV Penetration into LV Distribution Network: Case Study for Southeast Region of Tunisia, Sfax</i> , pp. 251-257.	
SOUIFI, Hayfa	National School of Engineers of Sfax-Tunisia (ENIS-Tunisia)
ASHAMMARI, BADR	University of Hail
omar, Kahouli	National School of Engineering of Sfax
Haj Abdallah, Hsan	Sfax Engineering National School
12:00-12:20	ThBC.4
<i>Architecture for Embedded Supervisory System of Distributed Renewable Energy Sources</i> , pp. 258-262.	
Miron, Cristian	Politehnica University of Bucharest
Olteanu, Severus Constantin	LAGIS UMR CNRS 8219, Polytech-Lille, 59655, Villeneuve D'Ascq
Christov, Nicolaï	Université Des Sciences Et Technologies De Lille
Aitouche, Abdel	CRISTAL/HEI
12:20-12:40	ThBC.5
<i>Fuzzy Control for Maximum Power Point Tracking of a Photovoltaic System</i> , pp. 263-269.	
Ben Safia, Zeineb	Lab-STA/ENIS, Sfax, Tunisia
Allouche, Moez	Engineering School of Sfax, Tunisia
Harrabi, Naziha	Lab-STA/ENIS, Sfax, Tunisia
Mohamed, BAHLOUL	Lab-STA/ENIS, Sfax, Tunisia
Chaabane, Mohamed	Lab-STA/ENIS, Sfax, Tunisia
Aitouche, Abdel	CRISTAL-HEI, France
12:40-13:00	ThBC.6
<i>Mathematical Model of a Cogeneration System Composed of a Floating Wind Turbine and Two Marine Current Turbines</i> , pp. 270-277.	
Tamarit, Fernando	UPV
Garcia, Emilio	UPV
Correcher, Antonio	Technical University of Valencia
Quiles, Eduardo	UPV
Morant, Francisco	UPV
13:00-13:20	ThBC.7
<i>Modified Direct Feedback Linearization Excitation Controller for Transient Stability and Voltage Regulation of SMIB Power System</i> , pp. 278-282.	
Keskes Salma, Keskes Salma	National Engineering School of Sfax, ENISin National Engineering
sallem, Souhir	ENIS
Nouha Bouchiba, Nouha Bouchiba	Commande Des Machines Electriques Et Réseaux De Puissance (CMERP)
CHRIFI-ALAOUI, Larbi	Université De Picardie Jules Verne
KAMMOUN Mohamed Ben Ali, KAMMOUN Mohamed Ben Ali	Research Unit: Commande Des Machines Electriques Et Réseaux De P

ThBD	Nexus building (second floor), Room 2.13
Robust Control and Hinfity Control (Regular Session)	
Chair: Vilanova, Ramon	Universitat Autònoma De Barcelona
Co-Chair: Navarro-Tapia, Diego	University of Bristol
11:00-11:20	ThBD.1
<i>Design of Backstepping-Sliding Mode Controller for a Bidirectional Grid Connected DC/AC Converter</i> , pp. 288-293.	
Mohamed, BAHLOUL	Lab_sta
Shafi, Khadem	IERC, Tyndall National Institute
Mehdi, Driss	Université De Poitiers
GAUBERT, JEAN-PAUL	Univerty of Poitiers
11:20-11:40	ThBD.2
<i>Fault-Tolerant Tracking Control for a Biological Process: Multiple Lyapunov Function Approach</i> , pp. 391-396.	
ABYAD, Mohamed	Cadi Ayyad
karama, Asma	Cadi Ayyad University
khallouq, abdelmounaim	Cadi Ayyad
Mesquine, Fouad	Cadi Ayyad University
11:40-12:00	ThBD.3
<i>Regional Pole Assignment for Constrained Input Uncertain Systems</i> , pp. 294-299.	
KHALLOUK, Hamza	LAEPT, Cadi AYYAD University
Mesquine, Fouad	Cadi Ayyad University
12:00-12:20	ThBD.4
<i>Reconciling Full-Order LPV Design and Augmented Structured H-Infinity Via Internal Model Principle: A Launch Vehicle Application</i> , pp. 300-305.	
Navarro-Tapia, Diego	University of Bristol
Marcos, Andres	University of Bristol
Bennani, Samir	ESA/ESTEC (TEC-ECN)
Roux, Christophe	ELV S.p.A
12:20-12:40	ThBD.5
<i>Robustness Improvement Using the Filtered Smith Predictor Based Fractional Integral-Fractional Derivative Controllers: Application to a Pressure Plant</i> , pp. 306-312.	
Azarmi, Roohallah	K. N. Toosi University of Technology
Tavakoli-Kakhki, Mahsan	K. N. Toosi University of Technology
Vilanova, Ramon	Universitat Autònoma De Barcelona
Fatehi, Alireza	K.N. Toosi University of Technology
Khaki Sedigh, Ali	K.N. Toosi Univ. of Tech
12:40-13:00	ThBD.6
<i>Further Results on H_infinity Filtering Design for Continuous Time-Systems with Time-Varying Delay Systems: Three Term Approximation Approach</i> , pp. 313-320.	
El AISS, Hicham	Faculty of Science Dhar El Mahraz
ZOULAGH, TAHA	University of Sidi Mohammed Ben Abdellah Faculty of Science, Phy
hmamed, abdelaziz	Faculty of Sciences Dhar Elmezhraz Fes
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
Bosche, Jerome	Univ. De Picardie-Jules Verne
13:00-13:20	ThBD.7
<i>MPC-PID Control of Operator-In-The-Loop Overhead Cranes: A Practical Approach</i> , pp. 321-326.	
Giacomelli, Marco	University of Brescia
Faroni, Marco	University of Brescia
Gorni, Domenico	University of Brescia
Marini, Alberto	University of Brescia
Simoni, Luca	University of Brescia
Visioli, Antonio	University of Brescia

Technical Program for Friday October 26, 2018

FrAA	Nexus building (second floor), Room 2.10
Control Algorithms Implementation (Regular Session)	
Chair: Karimi, Hamid Reza	Politecnico Di Milano
Co-Chair: Gubankov, Anton	Far Eastern Federal University
09:00-09:20	FrAA.1
<i>Identification Method of Kinematic Parameters of Multilink Industrial Manipulator</i> , pp. 327-331.	
Gubankov, Anton	Far Eastern Federal University
Yukhimets, Dmitry	Institute of Automation and Control Processes
09:20-09:40	FrAA.2
<i>Synchronization of Perturbed Genesio-Tesi Chaotic Systems Via a New Finite-Time Controller</i> , pp. 332-335.	
Tran, Xuan-Toa	University National Institute of Science and Technology
Oh, Hyondong	UNIST
09:40-10:00	FrAA.3
<i>State Estimation and Hinf Sliding Mode Control for Fuzzy Descriptor Systems</i> , pp. 336-341.	
Kchaou, Mourad	National School of Engineers of Sfax Tunisia
Toumi, Ahmed	ENIS/SFAX
Souissi, Mansour	Engineering School of Sfax, Tunisia
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia
10:00-10:20	FrAA.4
<i>FPGA Implementation of SHEPWM Gate Signal IGBTs</i> , pp. 342-347.	
imarazene, khokha	University of Science and Technology Houari Boumediene (USTHB)
berkoug, el madjid	Ecole Nationale Polytechnique D'alger
10:20-10:40	FrAA.5
<i>Integral Backstepping/LFT-LPV H_infinity Control for the Trajectory Tracking of a Quadcopter</i> , pp. 348-353.	
Hasseni, Seif-El-Islam	University of Biskra
Abdou, Latifa	Mohamed Khider University of Biskra
10:40-11:00	FrAA.6
<i>Semi-Active Control of Stay Cable Vibrations Using Magnetorheological Damper</i> , pp. 354-359.	
Gurav, Rohit Tukaram	IIT Madras
Ali, Shaikh Faruque	Indian Institute of Technology Madras

FrAB	Nexus building (second floor), Room 2.11
Control Applications II (Regular Session)	
Chair: Sala, Antonio	Univ. Politecnica De Valencia
09:00-09:20	FrAB.1
<i>Explicit Model Predictive Control for a Cart Inverted Pendulum System</i> , pp. 360-365.	
Lasheen, Ahmed	Cairo University
Elnaggar, Mahmoud	Cairo University
09:20-09:40	FrAB.2
<i>Comparative Study of Two Control Strategies of a Multiterminal VSC-HVDC Systems</i> , pp. 366-371.	
Rekik, Asma	University of Sfax National School of Engineering
Boukettaya, Ghada	University of Sfax National School of Engineering
kallel, randa	University of Sfax National School of Engineering
09:40-10:00	FrAB.3
<i>Control of Router Nodes in Production Manufacturing Processes</i> , pp. 372-377.	
KOUMBOULIS, FOTIOS	Technological Education Institute of Sterea Ellada
Fragkoulis, Dimitrios	TEI of Piraeus
Ioannou, Constantine	Technological Education Institute of Sterea Ellada
10:00-10:20	FrAB.4
<i>Robust H_∞ Static Output Feedback Control with Input Constraints Using Descriptor Approach: Application for a Truck Trailer System</i> , pp. N/A	
FERJANI, Amel	National Engineering School of Sfax
Zaidi, Ines	Univ. of Valladolid
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia
10:20-10:40	FrAB.5
<i>Switching Control of DC Motor Using Multiple Fuzzy Cognitive Network Models</i> , pp. 384-390.	
Karatzinis, Georgios	Democritus University of Thrace
Boutalis, Yiannis	Democritus University of Thrace
KARNAVAS, YANNIS	Democritus University of Thrace
10:40-11:00	FrAB.6
<i>A QFT Solution to the ACC Benchmark Tracking Problem</i> , pp. 283-287.	
Elso, Jorge	Public University of Navarre
Miquelez, Irene	Public University of Navarre
Ostolaza, Xabier	University of the Basque Country

FrAC	Nexus building (second floor), Room 2.12
Estimations and Identification (Regular Session)	
Chair: M'Sirdi, Kouider Nacer	Lsis -Cnrs Umr 6168
Co-Chair: naamane, aziz	Université Aix-Marseille (U3)
09:00-09:20	FrAC.1
<i>Indoor Localisation Using Aroma Fingerprints: Comparing Nearest Neighbour Classification Accuracy Using Different Distance Measures</i> , pp. 397-402.	
Minaev, Georgy	Tampere University of Technology
Müller, Philipp	Tampere University of Technology
Visa, Ari	Tampere University of Technology
Piché, Robert	Tampere University of Technology
09:20-09:40	FrAC.2
<i>Adaptive Notch Filters for Prediction of Narrow Band Signals</i> , pp. 403-408.	
M'Sirdi, Kouider Nacer	Lsis -Cnrs Umr 6168
Monneau, Antoine	Lis Umr 7020
naamane, aziz	Université Aix-Marseille (U3)
09:40-10:00	FrAC.3
<i>The Development of Fault Detection and Estimation System for Electric Servo Actuators of Manipulation Robots</i> , pp. 409-413.	
Zuev, Alexander	Institute of Automation and Control Processes FEB RAS
Filaretov, Vladimir	Far Eastern Federal University
Zhirabok, Alexey	Far Eastern Federal University
Procenko, Alexander	Far Eastern Federal University
10:00-10:20	FrAC.4
<i>Identification of Ph Neutralization Process Based on a Modified Adaptive Fuzzy C-Regression Algorithm</i> , pp. 414-417.	
Telmoudi, Achraf Jabeur	Higher Institute of Applied Sciences and Technology of Sousse
SOLTANI, Moez	High School of Science and Technique of Tunis (ESSTT)
Chaari, Abdelkader	University of Tunis, ENSIT
10:20-10:40	FrAC.5
<i>State of Health Estimation of Lead Acid Battery Bank in a Renewable Energy System by Parameter Identification with Genetic Algorithms</i> , pp. 418-423.	
Banguero Palacios, Edison	UPV
Correcher Salvador, Antonio	Universitat Politècnica De València
Perez-Navarro Gómez, Angel	UPV
Garcia, Emilio	UPV
10:40-11:00	FrAC.6
<i>Two-Degree-Of-Freedom PID Tuning Based on an Uncertainty and Disturbance Estimator</i> , pp. 424-429.	
Balaguer, Vicente	Universitat Politècnica De Valencia
Sanz-Díaz, Ricardo	Instituto De Automática E Informática Industrial Universidad Pol
Garcia Gil, Pedro José	Universidad Politécnica De Valencia
Albertos, Pedro	Univ. Politecnica De Valencia

FrAD	Nexus building (second floor), Room 2.13
Modelling of Complex Systems (Regular Session)	
09:00-09:20	FrAD.1
<i>Bond Graph Model for Prognosis and Health Management of Mechatronic Systems Based on Energy Activity</i> , pp. 430-434.	
Singh, Manarshhjot	University of Lille Polytech-Lille
Ould Bouamama, Belkacem	Polytech Lille
Gehin, Anne-Lise	LAGIS
Kumar, Pushpendra	University Lille1, Polytech-Lille, CNRS
09:20-09:40	FrAD.2
<i>Bond Graph Model-Based Control of the Quadcopter Dynamics</i> , pp. 435-440.	
Matouk, Djihad	University of Batna 2
Ahmad, Faraz	Graphic Era Deemed to Be University Dehradun
Kumar, Pushpendra	University Lille1, Polytech-Lille, CNRS
Merzouki, Rochdi	Ecole Polytechnique De Lille
Singh, Manarshhjot	University Lille1, Polytech-Lille, CNRS
Abdessemed, Foudil	Department of Electronics, Faculty of Technology, University Of
09:40-10:00	FrAD.3
<i>Bond Graph Based Power Consumption Estimation of a Non-Holonomic Wheeled Mobile Robot with Multiple Driving Modes</i> , pp. 441-446.	
Kumar, Pushpendra	University Lille1, Polytech-Lille, CNRS
Bensekrane, Ismail	University of Lille Polytech-Lille
Singh, Manarshhjot	University of Lille Polytech-Lille
Merzouki, Rochdi	Ecole Polytechnique De Lille
10:00-10:20	FrAD.4
<i>An Improved Robust State-Feedback H_{∞} Control Synthesis for Uncertain Discrete-Time Singular Systems</i> , pp. 34-39.	
Gonzalez, Antonio	Univ. Politecnica De Valencia
Guerra, Thierry Marie	University of Valenciennes
Garcia Gil, Pedro José	Universidad Politécnica De Valencia
10:20-10:40	FrAD.5
<i>Robust Control for Human Postural Balance: Design and Simulation</i> , pp. 454-461.	
Kuzmych, Olena	Lesya Ukrainka East European National University
Awrejcewic, Jan	Lodz University of Technology
Aitouche, Abdel	CRISTAL/HEI
Bahniuk, Nataliia	Lutsk National Technical University
10:40-11:00	FrAD.6
<i>Direct Power Control of DFIG by Sliding Mode Control and Space Vector Modulation</i> , pp. 462-467.	
MAZOUZ, FARIDA	University of Batna 2
belkacem, sebt	University of Batna
Colak, Ilhami	Gazi University
DRID, Said	University of Batna