

2016 5th International Conference on Systems and Control (ICSC 2016)

**Marrakesh, Morocco
25 – 27 May 2016**



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Technical Program for Wednesday May 25, 2016

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Co-Chair: BOSCHE, Jérôme	Univ. of Picardie Jules Verne of Amiens
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Ouladsine, Mustapha	Univ. D'aix Marseille III
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boukattaya, Mohamed	ENIS
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Alargt, Farag	The Centre for Solar Energy Res. and Studies
Ashur, Ahmed	The Department of Electrical and Electronic Engineering Univ
Kharaz, Ahmad	Coll. of Engineering and Tech. Uinersity of Derby
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ROUBACHE, Toufik	Lab. of Electromagnetic Induction and Propulsion Systems,
CHAOUCH, SOUAD	Univ. of Batna
Mohamed-Said, Nait-Said	Univ. of Batna, Algeria
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Ananou, Bouchra	LSIS
Ouladsine, Mustapha	Univ. D'aix Marseille III
PINATON, JACQUES	STMicroelectronics
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sakly, anis	ENIM
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LAKHAL, EL KHADIR	FSSM
SERHIR, NAJAT	EHTP
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FERJANI, Amel	National Engineering School of Sfax
RABHI, ABDELHAMID	MIS
Ghorbel, Hana	National School of Engineers of Sfax
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia

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Larakeb, Maria	Lab. of Electrical Engineering of Constantine LGEC
Bentounsi, Ammar	Faculty of Tech. Sciences, Univ. of Constantine 1
Djeghloud, Hind	Univ. of Mentouri Brothers, Constantine, LGEC
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KOUCHIH, Djilali	Univ. of Blida
HACHELAF, Redouane	Univ. of Blida
BOUMALHA, Nouredine	National Pol. School
Tadjine, Mohamed	Ec. Nationale Pol
Boucherit, mohamed seghir	Process Control Lab. Ec. Nationale Pol. Ave
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makhloufi, mohamed tahar	Univ. of Batna
abdessemed, yassine	Univ. of Batna
khireddine, mohamed salah	Univ. of Batna
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GACEM, Yasmina	USTHB
Ladjici, Ahmed Amine	USTHB
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Mechernene, Abdelkader	Univ. Abou-Bekr Belkaid Tlemcen
Chekroun, Sofiane	Ec. Normale Supérieure D'enseignementtechnologique(enst) - Or
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Sakly, Anis	The National School of Engineers of Monastir
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hmamed, abdelaziz	Faculty of Sciences Dhar Elmechraz Fes
Chaibi, Redouane	Faculty of Sciences Dhar El Mehraz
Tadeo, Fernando	Univ. of Valladolid

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zaidi, imen	Control & Energy Management Lab. (CEM Lab), Univ
chtourou, mohamed	With the Control & Energy Management Lab. (CEM Lab), Univ
djemel, mohamed	The Control & Energy Management Lab. (CEM Lab), Univ

WeBB	Salle de Séminaires 1
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Mansour, Moufid	Univ. of Sciences and Tech. Houari Boumediene (USTHB)
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laayouj, nabil	National School of Applied Sciences Industrial Department, Ibn Z
Jamouli, Hicham	Ibn Zohr Univ
El Hail, M.Amine	Univ. Ibn Zohr, ENSA

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ZOULAGH, TAHA	Univ. of Sidi Mohammed Ben Abdellah Faculty of Science, Phy
hmamed, abdelaziz	Faculty of Sciences Dhar Elmehez Fes
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne

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[*Robust Observer for Mode Recognition of Hybrid Dynamical Systems with Variable Structures*](#), pp. 129-134.

Labidi, Islem	National Engineering School of Tunis, BP 37, Belvedere 1002 Tuni
Takrouni, Asma	National Engineering School of Tunis, BP 37, Belvedere 1002 Tuni
ZANZOURI, NADIA	Lab. ACS Department of Electrical Engineering Box 37, 1002

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hmamed, abdelaziz	Faculty of Sciences Dhar Elmehez Fes
El Haiek, Badreddine	Faculty of Science Dhar El Mahraz
Alfidi, Mohamed	Faculte Des Sciences Dhar Mehrez
Tadeo, Fernando	Univ. of Valladolid

WeBC	Salle de Séminaire 2
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Chair: Souissi, Mansour	Engineering School of Sfax, Tunisia
Co-Chair: EL ADEL, El mostafa	Univ. AIX Marseille III

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Koumir, Miloud	Faculty of Sciences Dhar Elmahraz Fez
El Bakri, Ayoub	Faculty of Sciences Dhar El Mahraz Univ. of Sidi Mohammed B
Boumhidi, Ismail	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dha

15:20-15:40	WeBC.2
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Harrabi, Naziha	Lab-STA/ENIS
Souissi, Mansour	Engineering School of Sfax, Tunisia
Aitouche, Abdel	CRISTAL/HEI
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia

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Fadili, Yassine	Faculté of Sciences Dhar El Mehrez Fez
Lahlou, Zineb	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dh
Boumhidi, Ismail	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dha

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Jebri, Mohamed Ali

Aix Marseille Univ. LSIS-UMR CNRS 7296

Graton, Guillaume

Ec. Centrale De Marseille

EL ADEL, El mostafa

Univ. Aix Marseille III

Ouladsine, Mustapha

Univ. D' Aix Marseille III

PINATON, JACQUES

STMicroelectronics

Technical Program for Thursday May 26, 2016

ThAA	Amphi X
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Chair: Toumi, Ahmed	ENIS/SFAX
Co-Chair: Kaczorek, Tadeusz	Warsaw Tech. Univ
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EL ADEL, El mostafa	Univ. Aix Marseille III
Graton, Guillaume	Ec. Centrale De Marseille
Ouladsine, Mustapha	Univ. D' Aix Marseille III
PINATON, JACQUES	STMicroelectronics
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Mohammed, JBILOU	Univ. Abdelmalek Essaadi
Bsiss, Mohammed	Univ. Abdelmalek Essaadi
AMAMI, Benaissa	Univ. Abdelmalek Essaadi
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hachana, aicha	Univ. FERHAT ABBAS OF SETIF1
Harmas, mohamed	Univ. of Setif ALGERIA
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Ben Mabrouk, Zaineb	National Engineering School of Gabes, Tunisia
ABID, AICHA	National Engineering School of Gabes, Tunisia, Gabes Univ
Ben Hamed, Mouna	High Inst. of Industrial Systems of Gabes(ISSIG), Tunisia
Sbita, Lassaad	National Engineering School of Gabes (ENIG), Tunisia
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bassema, bakhti	Lab. of Electromagnetic Induction and Propulsion Systems,
CHAOUCH, SOUAD	Univ. of Batna
Makouf, Abdessalam	Lab. of Electromagnetic Induction and Propulsionsystems,
douadi, tarek	Batna Univ
ThAB	Salle de Séminaires 1
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Chair: El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
Co-Chair: Aitouche, Abdel	CRISTAL/HEI
Organizer: Aitouche, Abdel	CRISTAL/HEI
Organizer: El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
Organizer: Wang, Haoping	Nanjing Univ. of Science and Tech
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Torous, Crina-Loredana	Univ. Pol. of Bucharest
Popescu, Dumitru	Pol. Univ. of Bucharest
Petrescu, Catalin	Pol. Univ. of Bucharest
Balan, Dragos-Viorel	Univ. Pol. of Bucharest
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Olteanu, Severus Constantin	LAGIS UMR CNRS 8219, Pol. 59655, Villeneuve D'ascq
Aitouche, Abdel	CRISTAL/HEI
Belkoura, Lotfi	Univ. Des Sciences Et Tech. De Lille (Lille 1)
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Rotondo, Damiano	Univ. Pol. De Catalunya (UPC)
Puig, Vicenc	Univ. Pol. De Catalunya
Nejjari, Fatiha	Univ. Pol. De Catalunya
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Schulte, Horst	HTW-Berlin, Univ. of Applied Sciences
Goldschmidt, Nico	Univ. of Applied Sciences Berlin (HTW), Department of Engin
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BOSCHE, Jérôme	Univ. of Picardie Jules Verne of Amiens
RABHI, ABDELHAMID	MIS
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
ThAC	Salle de Séminaire 2
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EL FEZAZI, Nabil	Univ. Sidi Mohammed Ben Abdellah
LAMRABET, Ouarda	Faculty of Sciences Dhar El Mehraz
El Haoussi, Fatima	Univ. Sidi Mohammed Ben Abdellah
Tissir, El Houssaine	Univ. Sidi Mohammed Ben Abdellah
Alvarez, Teresa	Univ. of Valladolid
Tadeo, Fernando	Univ. of Valladolid
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Maddi, Abdelkader	Univ. of Blida 1
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El AISS, Hicham	Faculty of Science Dhar El Mahraz
hmamed, abdelaziz	Faculty of Sciences Dhar Elmechraz Fes
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
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BOUKAL, Yassine	Univ. De Lorraine, CRAN CNRS UMR 7039,
Zasadzinski, Michel	Univ. De Lorraine, CRAN, CNRS UMR 7039
Darouach, Mohamed	CRAN CNRS UMR 7039, Univ. De Lorraine
Radhy, Nour-Eddine	Lab. Physique Et Matériaux Microélectronique, Automatique E
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zabari, aziza	Sidi Mohamed Ben Abdellah University
Tissir, El Houssaine	Univ. Sidi Mohammed Ben Abdellah
ThBA	Amphi X
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Chair: Ladaci, Samir	National Pol. School of Constantine
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Filaretov, Vladimir	Far Eastern Federal Univ
Zhirabok, Alexey	Far Eastern Federal Univ
Zuev, Alexander	Inst. of Automation and Control Processes FEB RAS
Procenko, Alexander	Far Eastern Federal Univ
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Ouladsine, Radouane	Univ. Internationale De Rabat

OUTBIB, Rachid	Lsis
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Farkous, Rashid	Faculty of Sciences Dhar Elmehraz Fes
Tissir, El Houssaine	Univ. Sidi Mohammed Ben Abdellah
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Adouni, Amel	Gabes Univ
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Chair: Zerikat, Mokhtar	Ec. Normale Supérieure De L'enseignement Tech. D'oran
Co-Chair: hmamed, abdelaziz	Faculty of Sciences Dhar Elmehraz Fes
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abderrahim, El-amrani	USMBA Fes
hmamed, abdelaziz	Faculty of Sciences Dhar Elmehraz Fes
BOUKILI, Bensalem	Sidi Mohamed Benabdellah Faculte Des Sciences Dharelmahrazfes
El Hajjaji, Ahmed	Univ. De Picardie-Jules Verne
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Lahmadi, kaoutar	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dha
aboulem, salma	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dh
Boumhidi, Ismail	Univ. of Sidi Mohammed Ben Abdellah, Faculty of Sciences Dha
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KRIRIM, SAID	Faculty of Sciences Dhar El Mehraz
El Haiek, Badreddine	Faculty of Science Dhar El Mahraz
hmamed, abdelaziz	Faculty of Sciences Dhar Elmehraz Fes
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BOUKILI, Bensalem	Sidi Mohamed Benabdellah Faculte Des Sciences Dharelmahrazfes
ZOULAGH, TAHA	Univ. of Sidi Mohammed Ben Abdellah Faculty of Science, Phy
hmamed, abdelaziz	Faculty of Sciences Dhar Elmehraz Fes
Tadeo, Fernando	Univ. of Valladolid
ThBC	Salle de Séminaire 2
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Chair: Benzaouia, Abdellah	Faculty of Science Semlalia
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Benzaouia, Abdellah	Faculty of Science Semlalia
Mesquine, Fouad	Cadi Ayyad Univ
Benhayoun, Mohamed	Univ. Cadi Ayyad, Faculty of SciencesSemlaliaMarrakech
15:40-16:00	ThBC.3
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Rekik, Chokri	Sfax Engineering School

Technical Program for Friday May 27, 2016

FrAA	Amphi X
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Chair: DRID, Said	University of Batna
Co-Chair: CHRIFI-ALAOUI, Larbi	Univ. De Picardie Jules Verne
Organizer: DRID, Said	University of Batna
Organizer: CHRIFI-ALAOUI, Larbi	Univ. De Picardie Jules Verne
Organizer: Mehdi, Driss	Univ. De Poitiers
Organizer: ouriagli, mohammed	Faculté Pol. De Taza Univ. Sidi Mohammedben Abdellah
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SAIFI, Rabie	Univ. of Batna
nait-said, nasreddine	Univ. of Batna
Makouf, Abdessalam	Lab. of Electromagnetic Induction and Propulsionsystems,
CHRIFI-ALAOUI, Larbi	Univ. De Picardie Jules Verne
DRID, Said	University of Batna
10:50-11:10	FrAA.2
<i>Dspace Real-Time Implementationof Maximum Power Point Tracking Based on Ripple Correlation Control (RCC) Structure for Photovoltaic System (I)</i> , pp. 324-329.	
boutabba, tarek	Univ. of Batna "algeria"
CHRIFI-ALAOUI, Larbi	Univ. De Picardie Jules Verne
DRID, Said	University of Batna
Benbouzid, Mohamed	Univ. of Brest
ouriagli, mohammed	Faculté Pol. De Taza Univ. Sidi Mohammedben Abd
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<i>Modeling and Control of Wind Energy Conversion System (I)</i> , pp. 330-335.	
AZZOUZI, Messaouda	Faculty of Sciences Andtechnologies , ZianeAchourUniversityof Dj
Popescu, Dumitru	Pol. Univ. of Bucharest
ZIDI, Sid Ahmed	Sidi Belabbes Univ
MAZOUZ, Lakhdar	Univ. of Djelfa
GARMAT, Abdelkader	Univ. of Djelfa
11:30-11:50	FrAA.4
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KARTITE, Jihane	EMI
Cherkaoui, Mohamed	Univ. Mohamed V, EMI
11:50-12:10	FrAA.5
<i>Optimal Sizing of Wind-Photovoltaic Hybrid System by the LPSP Method</i> , pp. 342-346.	
ZIDANE, Nourredine	Electrical Engineering Department, Univ. of Ferhat Abbas Se
HACHEMI, MABROUK	Ferhat Abbas Setif
Aitouche, Abdel	CRISTAL/HEI
FrAB	Salle de Séminaires 1
Fault Detection and Diagnostics II (Regular Session)	
Chair: Chaabane, Mohamed	National Engineering School of Sfax, Tunisia
10:30-10:50	FrAB.1
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Eddoukali, Youssef	Univ. Cadi Ayyad
EL ADEL, El mostafa	Univ. Aix Marseille III
Benzaouia, Abdellah	Faculty of Science Semlalia
Ouladsine, Mustapha	Univ. D'aix Marseille III
10:50-11:10	FrAB.2
<i>Sensor Fault and State Estimation for Continuous-Time Descriptor Linear Systems: An LMI Approach</i> , pp. 353-359.	
Haj brahim, Imen	National School of Engineers of Sfax
Chaabane, Mohamed	National Engineering School of Sfax, Tunisia
Hashim, Ghani	Computer Science Department, Cihan Univ. Erbil
Mehdi, Driss	Univ. De Poitiers

FrAC		Salle de Séminaires 2
Fuzzy and Neural Systems II (Regular Session)		
Co-Chair: Damak, Tarak	Lab-STA, National School of Engineering of Sfax, Univ. of Sfax PB 1173, 3038 Sfax	
10:30-10:50		FrAC.1
<i>Stability for Takagi-Sugeno Interconnected Fuzzy Systems Using LMIs</i> , pp. 360-363.		
El Hajjaji, Ahmed		Univ. De Picardie-Jules Verne
El younsi, Laila		Univ. Cadi Ayyad
Benzaouia, Abdellah		Faculty of Science Semlalia
10:50-11:10		FrAC.2
<i>Building Heating Management Based on the Belief Function Theory</i> , pp. 364-369.		
MAKHLOUF, Ameni		Univ. De Picardie Jules Verne
Marhic, Bruno		Univ. De Picardie Jules Verne
Delahoche, Laurent		Univ. De Picardie Jules Verne
alaoui, Iarbi		Univ. De Picardie Jules Verne
Messaoud, Hassani		Ec. Nationale D'ingénieurs De Monastir
11:10-11:30		FrAC.3
<i>Hybrid Bond Graph for Robust Diagnosis to Measurement Uncertainties</i> , pp. 370-375.		
Mohamed Ilyas, Rahal		Univ. of Tlemcen -Algeria
Ould Bouamama, Belkacem		Pol. Lille
meghebar, abdel madjid		Univ
11:30-11:50		FrAC.4
<i>Time-Domain Identification of Rational Spectra with Missing Data</i> , pp. 376-381.		
Akcay, Huseyin		Anadolu Univ
11:50-12:10		FrAC.5
<i>Fault Tolerant Control for Switching Discrete-Time Systems with External Disturbances</i> , pp. 382-388.		
Benzaouia, Abdellah		Faculty of Science Semlalia
Eddoukali, Youssef		Univ. Cadi Ayyad
Akhrif, Ouassima		Ec. De Tech. Supérieure
Saydy, Lahcen		Ec. Pol. of Montreal