

Faculté des Sciences de la Technologie

Département : Electronique

1- Identification du laboratoire/Unité de recherche			
			اسم المخبر
Intitulé du Laboratoire	Automatique et Robotique		
Acronyme du labo	LARC		
Adresse électronique			
Site web ou URL			
Année d'Agrément :	2003	Tel : 031 81 90 41	Fax : 031 81 90 10

2- Directeur du laboratoire/Unité de recherche			
Nom & Prénom	Mansouri Noura	Grade : Prof	
Adresse Electronique	nor_mansouri@yahoo.fr		
Nombre Equipes :	4	Nbre Chercheurs : 20	Nbre Personnel soutien : 0

3- Présentation du laboratoire
Thèmes mis en œuvres : Systèmes de commande Intelligents Systèmes linéaires et non linéairesImage.....Identification et contrôle des systèmes.....
Mots-Clés :

4- Chefs d'équipes		
.Titre de l'Equipe1	Systèmes de commande Intelligents	
Nom - Chef d'équipe ¹	Bachtarzi Abdelmalik	Grade : MCA
.Titre de l'Equipe2	Systèmes linéaires et non linéaires	
Nom - Chef d'équipe ²	Boukhezzar Boubekeur	Grade :MCA
.Titre de l'Equipe3	Image	
Nom - Chef d'équipe ³	Hachouf Fella	Grade : Prof
.Titre de l'Equipe4	Identification et commande des systèmes	
Nom - Chef d'équipe ⁴	Mansouri Noura	Grade : Prof

5- Liste des publications :
1. Z. DRISS, N. MANSOURI, "A novel adaptive approach for synchronization of uncertain chaotic systems using fuzzy PI controller and active control method", Journal of Control Engineering and applied informatics, Vol 18, N°3, pp. 3-13, 2016
2. S. ZIANI, Time-varying fuzzy sets based on the PSO midpoint of the universe of discourse, International journal of automation and computing, Vol 13, N°4, pp 392–400, 2016
3. Amel Boulemnadjel, Fella Hachouf, Soumia Kharfouchi: GMM Estimation of 2D-RCA Models With Applications to Texture Image Classification. IEEE Transactions on Image Processing 25(2): 528-539 (2016)
4. Amel Boulemnadjel, Fella Hachouf, Amel Hebboul, Khalifa Djemal: Active learning for improving a soft

- subspace clustering algorithm. *Eng. Appl. of AI* 46: 196-208 (2015)
5. Amel Hebboul, Fella Hachouf, Amel Boulemnadjel: A new incremental neural network for simultaneous clustering and classification. *Neurocomputing* 169: 89-99 (2015)
 6. Zianou Ahmed Seghir, Fella Hachouf: Color Image Quality Assessment Based on Gradient Similarity and Distance Transform. *ACIVS 2015*: 591-603
 7. A.IKHLEF, B. BOUKHEZZAR, M. KIHLEL, N. MANSOURI, "Online Temperature Control System", *International Journal of Interactive Mobile Technologies (IJIM)*, vol. 9, No 2, pp. 22-25, 2015
<http://online-journals.org/index.php/i-jim/article/view/4382>
 8. M. HACINI, F.HACHOUF, K. DJEMAL, A New Speckle Filtering Method for Ultrasound Images based on a Weighted Multiplicative Total Variation, *Signal Processing*, Vol. 103, October 2014, pp. 214–229,
 9. <http://www.sciencedirect.com/science/journal/01651684/103>

A August 2016, Volume 13, [Issue 4](#), pp 392–400

10. .HEBBOUL, F. HACHOUF, A. BOULEMNADJEL, "A new incremental neural network for simultaneous clustering and classification", *Neurocomputing*, Volume 169, pp. 89-99, December 2015,
<http://www.sciencedirect.com/science/article/pii/S0925231215006700>
11. L.MEZAI, F.HACHOUF, " Score-Level Fusion of Face and Voice Using Particle Swarm Optimization and Belief Functions", *IEEE Transactions on Human-Machine Systems*, Year: 2015, Volume: PP, Issue: 99 , Pages: 1 - 12, DOI: 10.1109/THMS.2015.2438005
12. Z. AHMED SEGHIR, F. HACHOUF, " Full-reference image quality assessment scheme based on deformed pixel and gradient similarity", *Optik - International Journal for Light and Electron Optics*, Available online 15 September 2015.
13. A.IKHLEF, N. MANSOURI, Synchronization of Chaotic Systems Using. Linear and Nonlinear Feedback Control, *Chaos Complex Systems* pp.307-30124, (Springer, Berlin-Heidelberg 2013)
http://link.springer.com/chapter/10.1007/978-3-642-33914-1_40
14. A; IKHLEF, N. MANSOURI, *Hyperchaotification and Synchronization of Chaotic Systems*, International Journal of Control Science and Engineering, Vol 2, N°4, pp. 69-74, 2012
15. N. MEKIRCHA, A. BOUKABOU, N. MANSOURI, *Fuzzy control of original UPOs of unknown discrete chaotic systems*, Applied Mathematical Modelling, Vol 36, pp. 5135–5142, 2012
16. A. BOUKABOU, N. MANSOURI, *T-S fuzzy control of uncertain chaotic vibration*, Shock and Vibration, Vol 19, 3, pp. 379-389, 2012
17. A.IKHLEF, N. MANSOURI, Synchronization of chaotic systems with uncertain parameters using backstepping algorithm, *International Review of Automatic Control(IREACO)*, Vol 4, N° 1, pp. 6-12, 2011

2. COMMUNICATIONS INTERNATIONALES

1. Z. DRISS, N. MANSOURI, "Generalized predictive control based on fuzzy sliding-mode control strategy and fuzzy PI controller for synchronization of uncertain chaotic systems", Conference IEEE FUZZY2015, 2-5 August 2015, Istanbul, Turkey
2. Z. DRISS, N. MANSOURI, "Synchronization of uncertain chaotic systems using generalized predictive control based on fuzzy PID controllers", 7th International conference on Fuzzy Computation theory and Applications (FCT'2015), 12-14 November 2015, Lisbon, Portugal
3. SEGHIR, Z.A.; HACHOUF, F., "Image quality assessment scheme based on gradient similarity and color distortion", 12th International Symposium on Programming and Systems (ISPS'2015), 28-30 April 2015, Algiers, Pages: 1 - 8, DOI: [10.1109/ISPS.2015.7244985](https://doi.org/10.1109/ISPS.2015.7244985)
4. A.HEBBOUL, F. HACHOUF, A. Boulemnadjel, "Using a growing probabilistic neural network to reinforce a semi supervised support vector machine", 12th International Symposium on Programming and Systems (ISPS'2015), 28-30 April 2015, Algiers, Pages: 1 - 6, DOI: [10.1109/ISPS.2015.7244990](https://doi.org/10.1109/ISPS.2015.7244990)
5. Z. AHMED SEGHIR, F. HACHOUF, " Color Image Quality Assessment Based on Gradient Similarity and Distance Transform", International Conference in *Advanced Concepts for Intelligent Vision Systems*, 26-29 october 2015, Catania, Italy
6. Z. AHMED SEGHIR, F. HACHOUF, " Full-Reference Image Quality Assessment Measure Based on Color Distortion", 5th International Conference in *Computer Science and Its Applications*, 20-21 May 2015, Saida, Algeria

7. B. DAKKAR, F. HACHOUF, "No-reference Image Quality Assessment for JPEG2000 Compressed Images Using Natural Scene Statistics And Spatial Pooling", International Conference on Information Technology for Organization Development, 19-20 october 2014 , Tébessa, Algeria, , <http://abgattal.info/IT4OD14/Program/Conferencevenue.htm>
8. M. HACINI, F.HACHOUF, K. DJEMAL, "A New Fractional-Order Variational for Speckle De-noising", 5TH European Workshop on Visual Information Processing, December 10-12, 2014, Paris, France
9. B. DAKKAR, F. HACHOUF, Z. AHMED SEGHIR , "No-reference Image Quality Assessment for JPEG2000 Compressed Images Using Natural Scene Statistics And Spatial Pooling", 5TH European Workshop on Visual Information Processing, December 10-12, 2014, Paris, France
10. A. IKHLEF, B. BOUKHEZZAR, M. KIHLEL, N. MANSOURI, "Online Temperature Control System" , 13-14 November 2014, Thessaloniki, Greece <http://www.imcl-conference.org/imcl2014>
11. S. FRIHA, N. MANSOURI AND A.TALEB AHMED, "A New hybrid infinite GMM-SVM system for speaker verification, Eusipco2014, 1-5 september 2014, Lisbonne, Portugal,<http://www.eurasip.org/Proceedings/Eusipco/Eusipco2014/HTML/papers/1569924721.pdf>
12. K. BENZAID, N. MANSOURI. O. LABBANI-IGBIDA , Robust Trajectory Tracking Control of a Quadrotor UAV, *IEEE 3rd International Conference on Systems and Control (ICSC 2013)*, 29-31 October 2013 Algiers, Algeria, pp.206 – 211, [http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6750860&punumber%3D6746884%26sortType%3Dasc_p_Sequence%26filter%3DAND\(p_IS_Number%3A6750820\)%26pageNumber%3D2](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6750860&punumber%3D6746884%26sortType%3Dasc_p_Sequence%26filter%3DAND(p_IS_Number%3A6750820)%26pageNumber%3D2)
13. K. BENZAID, N. MANSOURI O. LABBANI-IGBIDA, Analyse Comparative de Différentes Stratégies de Commande d'un Quadrirotor. The 5th International Conference on Electronics Engineering (ICEE 2013) NOVEMBER 20 – 21, 2013 – ORAN, ALGERIA
14. I.DEGHBOUDJ, B. BOUTAMINA A Two-order Sliding Mode Control for Nonlinear Uncertain Perturbed Systems, 14thinternational conference on Sciences and Techniques of Automatic control & computer engineering December 21-23, 2013, Sousse, Tunisia
15. A. BACHTARZI , B. BOUTAMINA , K. BELARBI, Development of a sliding mode control on a complex system, Application to a boiler system, 2^o International Conference on Electrical Engineering and Control Applications *ICEECA'14 18-20 November, Constantine, Algeria*
16. A. ZAHAF, S. BOUOUDEN, S. FILALI, B.BOUTAMINA, Using PDC controller Design for Fuzzy Predictive Control Models, 2^o International Conference on Electrical Engineering and Control Applications *ICEECA'14 18-20 November Constantine, Algeria*
17. A. ZAHAF, B. BOUTAMINA, S. BOUOUDEN, S. FILALI, New Approach of Model Based T-S Fuzzy Predictive Control using LMI Approach, 15thinternational conference on Sciences and Techniques of Automatic control & computer engineering December 21-23, 2014, Hammamet, Tunisia
18. S. Ziani, Time-varying fuzzy sets based on the Gaussian membership functions, 2nd International Conference on Electrical Engineering and Control Applications ICEECA'2014 , Nov. 18-20, 2014 , Constantine, Algeria

4. COMMUNICATIONS NATIONALES

1. H. BOUSSOUF, F. HACHOUF " Etude Comparative de Trois Méthodes de Reconstruction de Nuages de Points 3D", International Conference on Systems and Information Processing, May 12-14, 2013, Guelma,
2. N. MEZHOUD, F. HACHOUF, "Fusion of multimodal images of the human brain using the evidential demspster shafer theory", **The 4th International Conference on the Image and Signal Processing and their Applications (ISPA'15)**, September 6-7, 2015, Mostaganem
3. S. RASLAIN, M.HACINI, F HACHOUF, " Filtrage adaptatif d'images échographiques basé sur les statistiques locales", [3rd International Conference on Signal, Image, Vision and their Applications, 2015](#), November 23-25 2015, Guelma – Algeria