
Faculty Vitae

1. Name

Mouayad Abdulredha Sahib Al-Saidy

2. Education

2009-2012 Ph.D. / Electrical and Electronic Eng./Control & Automation / UPM Malaysia.

1998-2001 M.Sc. / Computer & Control Engineering / University of Baghdad / Iraq.

1994-1998 B.Sc. / Electrical Engineering / University of Baghdad / Iraq.

3. Academic experience

Position: Dean of Engineering College / UOITC.

2017-now Assistant Professor at UOITC.

2014-2016 Assistant Professor at University of Salahaddin, College of Engineering.

2008-2014 Lecturer at University of Salahaddin, College of Engineering.

2006-2008 Assistant Lecturer at University of Salahaddin, College of Engineering.

2003-2006 Assistant Lecturer at University of Baghdad, College of Engineering.

4. Non-Academic experience

1999-2001 Contract with Ministry of Industry / Reconstruction of the PLC control system (Hardware and Software structures) of AL-Tamim cement factory.

2001-2002 Contract with Ministry of Oil / Installation of steam turbine generator in Aldowra Refinery Plant (PLC software development and testing).

2001-2003 Contract with Ministry of Defense / Rehabilitation of the Roland short-range air defense missile system.

5. Certifications or professional registrations

Transactions of the Institute of Measurement and Control.

AEJ - Alexandria Engineering Journal (Elsevier).

International Journal of Electronics and Communications (Elsevier).

Applied Soft Computing (Elsevier).

International Journal for Light and Electron Optics (Elsevier).

Journal of Dynamic Systems, Measurement and Control.

<https://publons.com/author/1242640/mouayad-a-sahib#profile>

6.Membership in professional organizations

- Scholars Journal of Research in Mathematics and Computer Science (SJRMCS).
<http://www.scischolars.com/journals/index.php/sjrmcs/about/editorialTeam>
- Open Science Journal (OSJ)
https://osjournal.org/editorial_board.html
- Recent Research in Science and Technology (RRST)
<http://scienceflora.org/journals/index.php/rrst/pages/view/editorial-board>
- Research Journal of Engineering and Technology (RJET)
<http://ijersonline.org/Editorial%20Board.aspx>

9. Publications/Presentations

Journals:

2017 Mouayad Sahib, Ahmed Rahem, Marwan Aziz (2017) Improving Bacterial Foraging Algorithm Using Non-uniform Elimination-Dispersal Probability Distribution. Alexandria Engineering Journal, Paper accepted for publication, Elsevier SCOPUS.

2016 Ahmed BS, Mouayad Sahib, Gambardella LM, Afzal W, Zamli KZ (2016) Optimum Design of PI?D? Controller for an Automatic Voltage Regulator System Using Combinatorial Test Design. PLoS ONE 11(11): e0166150. doi:10.1371/journal.pone.0166150, (Impact Factor 4.411)
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0166150>

2015 Mouayad Sahib, Bestoun S. Ahmed, "A new multiobjective performance criterion used in PID tuning optimization algorithms", Journal of Advanced Research, Available online 3 April 2015, ISSN 2090-1232, Elsevier SCOPUS.
<http://www.sciencedirect.com/science/article/pii/S209012321500034X>

2015 Mouayad Sahib, "A novel optimal PID plus second order derivative controller for AVR system", Engineering Science and Technology, an International Journal, Available online 6 January 2015, ISSN 2215-0986, Elsevier, SCOPUS.
<http://www.sciencedirect.com/science/article/pii/S2215098614000974>

2014 Mouayad Sahib, Bestoun S. Ahmed, and Moayad Y. Potrus, "Application of Combinatorial Interaction Design for DC Servomotor PID Controller Tuning," Journal of Control Science and Engineering, vol. 2014, Article ID 576868, 2014. doi:10.1155/2014/576868. SCOPUS.
<http://www.hindawi.com/journals/jcse/2014/576868/>

2014 Mouayad Sahib and Raja Kamil, "Loudspeaker nonlinearity compensation with inverse tangent hyperbolic function-based predistorter for active noise control" Transactions of the Institute of Measurement and Control, first published on April 15, 2014 doi:10.1177/0142331214527602. (Impact Factor 0.82)
<http://tim.sagepub.com/content/early/2014/04/13/0142331214527602.abstract>

2014 Bestoun S. Ahmed, Mouayad Sahib, Moayad Y. Potrus, "Generating combinatorial test cases using Simplified Swarm Optimization (SSO) algorithm for automated GUI functional testing" Engineering Science and Technology, an International Journal (Elsevier), Volume 17, Issue 4, December 2014. Elsevier, SCOPUS.

2013 Mouayad Sahib, Raja Kamil, and Mohammad Marhaban, "Nonlinear FXLMS Algorithm for Active Noise Control Systems with Saturation Nonlinearity" IEEJ, Transactions on Electrical and Electronic Engineering, Vol. 7 / No. 6 (November 2012 Issue). (Impact Factor 0.261)
<http://onlinelibrary.wiley.com/doi/10.1002/tee.21778/abstract>

2011 Mouayad Sahib, Raja Kamil, "Comparison of Performance and Computational Complexity of Nonlinear Active Noise Control Algorithms" ISRN Mechanical Engineering, Vol. 2011, Article ID 925085, 9 pages, doi:10.5402/2011/925085. SCOPUS.
<http://www.hindawi.com/journals/isrn.mechanical.engineering/2011/925085/>

2008 Mouayad Sahib, "Cyclic Comb-Pilot Arrangement Channel Estimation for OFDM Systems" Zanko journal of pure and applied sciences Salahaddin University-Hawler, vol. 20, No. 3, 2008.

2006 Nuha Alwan and Mouayad Sahib, "Frequency Response Identification using Exact Adaptive Frequency Sampling Filters" Emirates Journal for Engineering Research (EJER), vol. 11, No. 2, pp:83-90, 2006.
http://www.eng.uaeu.ac.ae/en/research/journal/issues/v11/abstract_iss2_11/articles8.shtml

Conferences

2017 Mouayad Sahib, Stefan Streif, Design of an Active Noise Controller for Reduction of Tire/Road Interaction Noise in Environmentally Friendly Vehicles, in IEEE SPA 2017, Signal Processing Algorithms, Architectures, Arrangements, and Applications, 20-22 Sept. 2017.

2011 Mouayad Sahib, Raja Kamil, Multiple Channel Active Noise Internal Model Control with Saturation Nonlinearities, in IEEE Third International Conference on Computational Intelligence, Modelling and Simulation (CIMSIM), 2011. vol., no., pp.237,241, 20-22 Sept. 2011.
<http://doi.ieeecomputersociety.org/10.1109/CIMSIm.2011.49>

Patents

2013 Ahmad R, Kamil RM, Sahib MA, Dehkordi SG, inventors. Method and apparatus for nonlinear compensation in an active noise control system. Publication no. WO2015050431 A1 , 2013 Oct 2.
<http://www.google.com/patents/WO2015050431A1?cl=en>

Books

2015 Mouayad Sahib, "Real-Time Nonlinear Filtered-X LMS Algorithm for Active Noise Control, Design and Implementation of Nonlinear Modelling and Control Algorithms"
ISBN-978-3-659-49316-4, LAP LAMBERT Academic Publishing, 2015.
<https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-49316-4/real-time-nonlinear-filtered-x-lms-algorithm-for-active-noise-control>

Thesis

2012 Ph.D, "Real Time Nonlinear Filtered-X LMS Algorithm for Active Noise Control"
Supervisor: Raja Kamil / UPM, External Examiner: Stephen Elliott/University of Southampton / UK.

2001 MSc, "Upgrading Hardware and Software Structures of an Industrial Control System using Programmable Logic Controller" Supervisor: Ismail Abdulha / University of Baghdad/ Iraq.

