**Curriculum Vitae**

**DR. Mujahed M. Al-Dhaifallah, *Dean, (College of Engineering at Wadi Aldawaser)***

|  |  |
| --- | --- |
| *Correspondence Address :* | Wadi Addawaser Engineering College,  Prince Sattam bin Abdulaziz University,  P.O. Box 54, Wadi Addawaser, 11991, Saudi Arabia. |
| *Contact :* | Home: +966 3 860-6984  Office: +966 3 860-4943, Fax: +966 3 860-2965  Mobile: +966 555359737  E-Mail: [m.aldhaifallah@psau.edu.sa](mailto:m.aldhaifallah@psau.edu.sa) |

* **Academic Qualifications**

2009: **Ph.D**., Electrical and Computer Engineering, Schulich School of Engineering, University of Calgary, Canada.

2004: **M.Sc.,** Systems Engineering, College of Computer Sciences and Engineering, KFUPM

**1999** : **B.Sc**., Systems Engineering, College of Computer Sciences and Engineering, KFUPM

* **Professional Experience**
  + 2016 – Present: **Vice** **Dean** of Admissions and Registration at Wadi Aldawaser, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, Saudi Arabia.
  + 2012 – Present: **Dean** of Engineering College at Wadi Aldawaser, Prince Sattam bin Abdulaziz University, Wadi Aldawaser, Saudi Arabia.
  + 2009 – 2012: **Assist. Prof.**, Dept. of Systems Engineering, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.
  + 2004-2009 **Lecturer**, Dept. of Systems Engineering, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia.
  + 1999-2004 **Graduate Assistant**, Systems Engineering Dept., KFUPM, Dhahran.
* **Workshops**
  1. “Introduction to Blackboard CE8” organized by Deanship of Academic Development KFUPM, March 2010.
  2. “Participatory Classrooms” organized by Deanship of Academic Development KFUPM, April 2010.
  3. “Team-Based Learning” organized by Deanship of Academic Development KFUPM, May 2010.
  4. “Introduction to Centra Live” organized by Deanship of Academic Development KFUPM, May 2010.
  5. “Enhancing Teaching and Learning through Web 2 Technologies- Part I” organized by Deanship of Academic Development KFUPM, May 2010.
  6. “Blended Learning in Higher Education: Promises and Pitfalls” organized by Deanship of Academic Development KFUPM, October 2010.
  7. “Grading: Purposes, Guidelines and Methods” organized by Deanship of Academic Development KFUPM, December 2010.
  8. “Participatory Classrooms” organized by Deanship of Academic Development KFUPM, March 2011.
  9. “Introduction to Articulate Presenter as a Rapid e-Learning Authoring Tool” organized by Deanship of Academic Development KFUPM, May 2011.
  10. “Managing Students Teams: Teams Formation and Peer Evaluation” organized by Deanship of Academic Development KFUPM, September 2011.
  11. “Managing Students Teams: Diagnosing and Remediating Team Issues” organized by Deanship of Academic Development KFUPM, September 2011.
  12. “Success and Attrition of Engineering Students” organized by Deanship of Academic Development KFUPM, September 2011.
  13. “Designing Active and Cooperative Learning Experience” organized by Deanship of Academic Development KFUPM, September 2011.
* ***Journal Publications*** 
  + - 1. H. Rezk, I. Tyukhov, **M. Al-Dhaifallah**, A. Tikhonov, Performance of Data Acquisition System for Monitoring PV System Parameters, Measurement, 7/2017;104(2017):204-211.
      2. **M. Aldhaifallah**, K. S. Nisar, H. M. Srivastava, and M. Mursaleen, “Statistical -Convergence in Probabilistic Normed Spaces,” Journal of Function Spaces, vol. 2017, Article ID 3154280, 7 pages, March 2017.
      3. Yousef Ibrahim Daradkeh, Dmitry Namiot, **Al Dhaifallah, M.*,*** "On Standards for Application Level Interfaces in SDN", International Journal of Advanced Computer Science and Applications10 /2016; 7(10):45-51.
      4. **Al Dhaifallah, M.** Tomar, M., KS, Nisar, and Purohit, SD, " Some new inequalities for (k, s)-fractional integrals", JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, 2016; 9(9):5374-5381
      5. Mujahed AlDhaifallah, Shebel Alsabbah, and Iqbal Mujtaba, “A Predictive Neural Network-Based Cascade Control for pH Reactors,” Mathematical Problems in Engineering, vol. 2016, Article ID 5638632, 7 pages, 2016. doi:10.1155/2016/5638632.
      6. M. Tanveer, K. Shubham, **M. Aldhaifallah**, KS Nisar, " An efficient implicit regularized Lagrangian twin support vector regression", Applied Intelligence, 06/2016; 44(04): 831-848
      7. KS, Nisar, **M. Al Dhaifallah**, A F. Eata, J. Choi, “Fractional calculus of generalized k-Mittag-Leffler function and its applications to statistical distribution”, Advances in Difference Equations 2016:304,(2016).
      8. KS, Nisar, **Al Dhaifallah, M.**, M. S. Abouzaid, and P. Agarwal, "Certain inequalities involving generalized fractional k-integral operators", Journal of Nonlinear Science and Applications, 05/2016; 9(2016): 3376-3387.
      9. Yousef Ibrahim Daradkeh, **Al Dhaifallah, M.*,*** Dmitry Namiot, " One Model of Geo-Location Services for Telecom Operators", International Journal of Interactive Mobile Technologies (iJIM), 05/2016; 10(02).
      10. **Al Dhaifallah, M.** , Westwick, D., and KS, Nisar., " Support Vector Machine Identification of a Parallel Cascade Model of Human Ankle Stiffness", Applied Mathematical Sciences, 05/2016;10(28):1359 – 1371.
      11. Yousef Ibrahim Daradkeh, **Al Dhaifallah, M.*,*** Dmitry Namiot, " On Data Sharing in Educational Processes", International Journal of Emerging Technologies in Learning (iJET), 05/2016; 11(04).
      12. M. Tanveer, K. Shubham, **M. Aldhaifallah**, S.S. Ho, "An efficient regularized K-nearest neighbor based weighted twin support vector regression, Knowledge-Based Systems", 02/2016, 94,:70-87.
      13. Rakesh K. Parmar, Sunil Dutt Purohit, K.S. Nisar, **M. Aldhaifallah**, " On a Generating Function Involving Generalized Second Appell Function", Journal of Science and Arts, 12/2015, 3(32);225-228.
      14. **Al Dhaifallah, M.** KS, Nisar, [Praveen Agarwal](https://www.researchgate.net/profile/Praveen_Agarwal2?_iepl%5BviewId%5D=OawRaezuWNAAhFESvENenvjt&_iepl%5Bcontexts%5D%5B0%5D=timeline&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityId%5D=286767046&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityType%5D=Publication&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityTimestamp%5D=1448928000&_iepl%5Bdata%5D%5BviewType%5D=self&_iepl%5BinteractionType%5D=authorPillClickThrough), and [Alaa Elsayad](https://www.researchgate.net/profile/Alaa_Elsayad?_iepl%5BviewId%5D=OawRaezuWNAAhFESvENenvjt&_iepl%5Bcontexts%5D%5B0%5D=timeline&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityId%5D=286767046&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityType%5D=Publication&_iepl%5Bdata%5D%5BactivityData%5D%5BactivityTimestamp%5D=1448928000&_iepl%5Bdata%5D%5BviewType%5D=self&_iepl%5BinteractionType%5D=authorPillClickThrough) “Modeling and identification of heat exchanger process using least squares support vector machines", Thermal Science, Accepted.
      15. K. S. Nisar, S. R. Mondal, P. Agarwal, and **M. Al-Dhaifallah**, “The Umbral Operator and The Integration Involving Generalized Bessel-Type Functions”, Central European Journal of Mathematics/Open Mathematics 07/2015; 13(1): 426-435.
      16. **Mujahed Al-Dhaifallah**, “Twin Support Vector Machine Method for Identification of Wiener Models,” Mathematical Problems in Engineering, vol. 2015, Article ID 125868, 7 pages, 2015.
      17. Shebel Alsabbah, **Mujahed Aldhaifallah**, and Mohammad Al-Jarrah, “Design of Multiregional Supervisory Fuzzy-PID Control of pH Reactors”, Journal of Control Science and Engineering, vol. 2015, Article ID 396879, 9 pages, 2015.
      18. **Al Dhaifallah, M.** and Westwick, D. “Identification of Auto-Regressive Exogenous Hammerstein Models Based on Support Vector Machine Regression”, IEEE Transactions on Control Systems Technology 11/2013; 21(6):2083-2090.
      19. **Al Dhaifallah, M.** and KS, Nisar. “Identification of Auto-Regressive Exogenous Models Based on Twin Support Vector Machine Regression”, Life Science Journal 3/2013;10(4): 3049-3054.
* ***Refereed Conference Publications***

1. A. Aliyu, M. Elshafei, A. Saif and **Mujahed AlDhaifallah**. "Performance Evaluation of Quadrotor with Tilted Rotors under Wind Gusts", 2016 IEEE International Conference on Advanced Intelligent Mechatronics (AIM), pp. 294-299. July 12–15, 2016.
2. **AlDhaifallah, Mujahed**; Nisar, K.S., " Identification of ARX Hammerstein Models Based on Twin Support Vector Machine Regression", 13th International Multi-Conference on Systems, Signals & Device, March 2016.
3. **AlDhaifallah, Mujahed**; Nisar, K.S., "Wiener modeling and identification of a reverse osmosis desalination process using least square support vector machine," Industrial Technology (ICIT), 2015 IEEE International Conference on , vol., no., pp.559,563, 17-19 March 2015.
4. **Al Dhaifallah, M.** and KS, Nisar. " Support Vector Machine Identification of Subspace Hammerstein Models", 2014, The 3rd international conference on advance in soft computing, Sydney, Australia, Page: 9-15.
5. **Mujahid Dhaifullah**, Abdul-Wahid A. Saif, Mohammad Al-Malki and Mustafa El Shafie. "Decentralized Backstepping Control of Quadrotor", 4th International Conference on Underwater System Technology: Theory and Applications 2012 (USYS'12), 5th & 6th December 2012, Shah Alam, Malaysia, Pages: 222-227.
6. **M.M. AlDhaifallah**, K.M. Sassi, and I.M. Mujtaba, "PID Control of Reverse Osmosis based Desalination Process", In Computer Aided Chemical Engineering, Vol 30, pp812-816, Elsevier, 2012.
7. Saif, A.A.**,** **Dhaifullah, M.**, Al-Malki, M., and Shafie, M.E., "Modified backstepping control of Quadrotor," 9th International Multi-Conference on Systems, Signals and Devices (SSD), 2012, 20-23 March 2012, Pages:1-6.
8. **Al Dhaifallah, M.** and Westwick, D. “Support Vector Machine Identification of Output Error Hammerstein Models”. In Proceedings of 18th IFAC World Congress**,** pages 13948-13953, August 28 - September 2,, 2011, Italy.
9. **Mujahed Al Dhaifallah**, “Subspace identification OF Hammerstein models using support vector machines”, 8th International Multi-Conference on Systems, Signals & Devices ( SSD11), March 22-25, 2011,Tunisia.
10. **Al Dhaifallah, M.** and Westwick, D., “Nonlinear modeling and identification of stretch reflex dynamics using support vector machines”. In Proceedings of 31st IEEE EMBS, pages 4371-4374, September, 2009, USA.
11. **Al Dhaifallah, M.** and Westwick, D., “Identification of NARX Hammerstein models based on large scale support vector machine regression”. In Proceedings of 15th IFAC Symposium on System Identification , pages 1656-1661, July, 2009, France.
12. **Al Dhaifallah, M.** and Westwick, D., “Support vector machine identification of stretch reflex dynamics”. In Proceeding of 32nd Canadian Medical and Biological Engineering Conference, March, 2009, Canada.
13. **Al Dhaifallah, M.** and Westwick, D. “Identification of NARX Hammerstein models based on support vector machines”. In Proceedings of 17th IFAC World Congress**,** pages 4999.5004, July, 2008, Korea.
14. Abdul-Wahid A. Saif and **Mujahed Al Dhaifullah**. “Stabilizing time delay systems via rational stable controllers”, The 4rd International Conference on Systems, Signals & Devices ( SSD07), March 19-22, 2007,Tunisia.
15. Abdul-Wahid A. Saif and **Mujahed Al Dhaifullah**. " Strong Stabilization of Time Delay Systems", The Six International Conference on Computational Aspects and Their Applications in Electrical Engineering, Philadelphia University – Jordan 19 - 21 September 2006.

* ***Funded Research Projects***

# Dr.Mujahed Al Dhaifallah, Dr.Nisar K. S., "Optimization methods and non-parallel support vector machines ", PSAU Specialized Research Grant program (PROJECT # 2015/01/4329).

# Dr.Nisar K. S., Dr.Mujahed Al Dhaifallah, “Fractional Integration of Generalized Bessel-type Functions and Application to Strong Stabilization", PSAU Specialized Research Grant program (PROJECT # 2014/01/2152).

# Dr.Mujahed Al Dhaifallah, Dr. Shebel Alsabbah, "Design of Intelligent-Based Optimized Control over pH Titration Process", PSAU Specialized Research Grant program (PROJECT # 2014/01/2125).

# Yousef Dradkeh , Mujahed Aldhaifallah, "Phone as a Sensor in Context-aware Mobile Services", PSAU International partnership Research grant program(PROJECT # 2014/01/863).

# Mujahed Aldhaifallah, "Twins Support Vector Machine System Identification", KFUPM- Fast track Project (PROJECT # FT131015).

# Abdul-Wahid A. Saif, Mostafa El-Shafie, Mujahed Aldhaifallah, " Integrated Guidance and Control of Unmanned Aerial Vehicle (UAV), KFUPM-Internally Funded Research Project(PROJECT # IN100036)

# Amar Khoukhi and Mujahed Aldhaifallah, " Dynamic Parameters Identification of Wheeled Mobile Robots; A Comparative Study" , KFUPM- Fast track Project (PROJECT # FT100029).

# Mujahed Aldhaifallah, "Subspace Identification of Block Structured Models Using Support Vector Machines" , KFUPM-Junior Faculty Grant Project (PROJECT # JF100012).

* ***Grants and Awards***
* British Council Post-doctoral Summer Research (PDSR) Grant – 2011.
* ***Committees Membership***

# King Fahd University of Petroleum and Minerals

1. Systems Engineering Department Council- member 2009-now.
2. Software procurement committee – member.2009/2010
3. Saudi Students’ Second Conference standing committee –member. 2010/2011
4. Saudi Students’ Third Conference standing committee –member. 2011/2012
5. Systems engineering Department’s committee for Screening Submission to the Ministry of Higher Education Second Conference – member 2010/2011.
6. Systems engineering Department’s committee for Screening Submission to the Ministry of Higher Education Third Conference – Chairman 2011/2012.
7. Systems engineering Department’s Lab development committee – member.2009/2010, 2010/2011, 2011/2012.
8. Systems engineering Department’s Coop committee – member. 2010/2011.
9. Systems engineering Department’s Alumni committee – member. 2010/2011.

# Prince Sattam bin Abdulaziz University

1. Second Strategic Goal Standing Committee- Member 2016-now.
2. Students Issues- Member 2016-now.
3. University Council- member 2012-now.
4. College of Engineering at Wadi Aldawaser Council- Head 2012-now.
5. Deanship of Scientific Research Council- member 2013-now.
6. Supervisory committee of establishment of engineering college at Wadi Aldawasir 2013.

* ***Professional Societies***
  + Saudi Council of Engineers 2016-now.
  + **IEEE** Institute of Electrical and Electronic Engineers.1-2010- 2012
* ***Consultantship***
  + Consultant for Salman bin Abdulaziz University 2012-2014.
  + Consultant for Military Industries Corporation 2015.