

CURRICULUM VITA

1. Name: Chang Duan

2. Education & Degree:

B.Eng., Control Science, Huazhong University of Science and Tech, China, June 2002.

M.Eng., ECE, National University of Singapore, Singapore, February 2005.

Ph.D., M.E., North Carolina State University, Raleigh, North Carolina, December 2013.

3. Academic Experience:

2020-present	Prairie View A&M University, Associate Professor, full time
2014-2020	Prairie View A&M University, Assistant Professor, full time
Fall 2013	North Carolina State University, Teaching Assistant, part time
Summer 2011	North Carolina State University, Teaching Assistant, part time

4. Non-academic Experience

May 2014 – Aug 2014	Western Digital Corporation, Staff Engineer, Irvine, CA, full time
Summer 2012	Western Digital Corporation, Intern Postgraduate Engineering, Irvine, CA, part time
2007 – 2010	TechSource Systems, Senior Application Engineer, Singapore
2005 – 2007	Seagate Technology, Product Engineer, Singapore

5. Certification or professional registration:

Six Sigma Brown Belt, MathWorks Certified MATLAB Associate, Universal Robots Core Training, Certified Motion Control Professional

6. Current Membership in Professional Organizations:

(a) Member of ASME, (b) Member of IEEE

7. Honors & Awards

Phi Kappa Phi, 2011

Tau Beta Pi, 2011

Outstanding Student, Huazhong University of Science and Technology, 2001

Huawei Scholarship for Excellent Student, 2000

8. Service Activities (within and outside of the institution)

- Member, Senior Design Committee for the Mechanical Engineering Department
- Member, Lab Management Committee for the Mechanical Engineering Department
- Associate Editor of International Journal of Advanced Robotic Systems
- Chair, IEEE Houston Section Control Systems Society, since 2018
- Associate editor, American Control Conference, 2017, 2018, 2019, 2020
- Associate editor, ASME Dynamic Systems and Control Conference, 2016, 2017, 2018, 2019
- ASME Dynamic Systems and Control Conference 2013 session co-chair

9. Publications and Presentations from the Last Five Years

- i. X. Peng, B. Yalvac, E.L. Hing, M. Jackson, **C. Duan**, M. Han, A. Ketsetzi, D. Eseryel, Evaluating the Effect of a Student-Centered Pedagogical Approach on Students' Skills and Knowledge in Computer-Aided Design (CAD) Course, ASME International Mechanical Engineering Congress and Exposition, IMECE2020-23985, 2020.
- ii. G. Bondo, C. Yuan, and **C. Duan**, Modeling and control of a spherical inverted pendulum with actuator saturation, ASME 2019 International Mechanical Engineering Congress and Exposition, Nov. 11-14, Salt Lake City, Utah.
- iii. M. Han, and **C. Duan**, Different methods of programming for mechanical engineering students: a case study, ASME 2019 International Mechanical Engineering Congress and Exposition, Nov. 11-14, Salt Lake City, Utah.
- iv. C. Yuan, **C. Duan**, and F. Wu, Almost output regulation of LFT systems via gain-scheduling control, International Journal of Control, 91, (5), 1161-1170, 2018.
- v. C. Yuan, M. Abdelatti, X. Dong, W. Zeng, P. Stegagno, and **C. Duan**, Cooperative deterministic learning control of multi-robot manipulators, 2018 37th Chinese Control Conference, pp.2824-2829.
- vi. W. O. Oduola, X. Li, **C. Duan**, L. Qian, and E. R. Dougherty, Sequential therapeutic response modeling for tumor treatment using computational hybrid control systems approach, IEEE Transactions on Biomedical Engineering, 65, (4), 866-874, 2017.
- vii. W. O. Oduola, X. Li, **C. Duan**, L. Qian, F. Wu, and E. R. Dougherty, Time-based switching control of genetic regulatory networks: Toward sequential drug intake for cancer therapy, Cancer Informatics, 16, 2017.
- viii. **C. Duan** and F. Wu, New results on switched linear systems with actuator saturation, International Journal of Systems Science, 47, (5), 1008–1020, Apr. 3, 2016.
- ix. C. Yuan, Y. Liu, F. Wu, and **C. Duan**, Hybrid switched gain-scheduling control for missile autopilot design, Journal of Guidance, Control, and Dynamics, 39, (10), 2352–2363, 2016.
- x. C. Yuan, **C. Duan**, and F. Wu, “Almost Output Regulation of Discrete-time Switched linear Systems”, American Control Conference, Chicago, IL, USA, 2015.

10. Professional Development Activities

- Certification of Introduction to Teaching Online and Getting Ready for Quality Matters, May 2020.
- Quality Education for Minority (QEM) network, proposal development workshop, August 14-15, 2015, Baltimore, MD.
- Quality Education for Minority (QEM) network, proposal development workshop, March 6-7, 2015, Baltimore, MD.