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Education:	Degree and Area of Study	Institution Name	Degree Date
	B.S., Chemical Engineering	Tuskegee University	1995
	Ph.D., Chemical Engineering in Process Systems	University of California, Los Angeles	2002
	J.D., Science and Technology Law	University of Texas at Austin	2014
Chemical Engineering Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Adjunct Instructor	Prairie View A&M University	2018 - Present
	Lecturer and Research Professor	University of Texas at Austin	2011-2014
	Assistant Professor	Rensselaer Polytechnic Institute	2003-2011
Professional Publications:			

1. Tolle, I. and L.L. Martin*, "A generalized scattering data decomposition framework for determining network process-structure-property relationships in polymer materials", *International Journal of Advanced Manufacturing Technology* January 2013, Volume 64, Issue 1-4, pp 555-577.
2. Baughman, A., Huang X., and L.L. Martin*, "An evaluation of kinetic models for preferential CO oxidation catalysts using optimization-based parameter estimation", *The Journal of Power Sources*, Volume 210, 15 July 2012, Pages 402-408.
3. Tolle, I. and L.L. Martin*, "Quantifying polymer structural component evolution using X-ray scattering and mixed-integer Network Component Analysis (NCA)", *Computers and Chemical Engineering* Vol. **35** No. **11** (2011) 2564-2578.
4. Baughman, A.C., Sharfstein, S.T., and L.L. Martin*, "A flexible state-space approach for the modeling of metabolic networks II: advanced interrogation of hybridoma metabolic networks", *Metabolic Engineering*, Vol. **13** No. **2** (2011) 138-149.

5. Baughman, A.C., Sharfstein, S.T., and L.L. Martin*, "A flexible state-space approach for the modeling of metabolic networks I: development of mathematical methods", *Metabolic Engineering*, Vol. **13** No. **2** (2011) 125-137.
6. Andress, R.J. and L.L. Martin*, "A systematic hierarchical thermodynamic analysis of hydrogen producing Iron-Chlorine reaction clusters", *Industrial and Engineering Chemistry Research*, Vol. **50** No. **3** (2011) 1278-1293.
7. Baughman, A.C., Huang, X., Sharfstein, S.T., and L.L. Martin*, "On the dynamic modeling of mammalian cell metabolism and mAb Production", *Computers and Chemical Engineering*, Vol. **34** No. **2** (2010) 210-222.
8. Andress, R.J. and L.L. Martin*, "On the synthesis of hydrogen producing thermochemical cycles with electrochemical steps", *The International Journal of Hydrogen Energy*, Vol. **35**, Issue **3** (2010) 958-965.
9. Tolle, I., Huang, X., Akpalu, Y.A. and L.L. Martin*, "A modified Network Component Analysis (NCA) methodology for the decomposition of x-ray scattering signatures", *Industrial and Engineering Chemistry Research*, Vol. **48** No. **13** (2009) 6137-6144.
10. Andress, R.J., Bequette, B.W., and L.L. Martin*, "A systems approach towards the identification and evaluation of hydrogen producing thermochemical reaction clusters", *In Proceedings of the 7th International Conference on the Foundations of Computer-Aided Process Design: Design for Energy and the Environment*, Ch. **41** (2009) pp. 451-460. CRC Press, Taylor and Francis Group. Boca Raton, FL.
11. Follansbee, D.M., Paccione, J.D., and L.L. Martin*, "Optimal design and operation of A circulating fluidized bed reactor for water polishing featuring minimum utility cost", *In Proceedings of the 7th International Conference on the Foundations of Computer-Aided Process Design: Design for Energy and the Environment*, Ch. **26** (2009) pp. 317-326. CRC Press, Taylor and Francis Group. Boca Raton, FL.
12. Andress, R.J., Huang X., Bequette, B.W., and L.L. Martin*, "A systematic methodology for the evaluation of thermochemical cycles for hydrogen production", *The International Journal of Hydrogen Energy*, Vol. **34**, Issue **9** (2009) 4146-4154.
13. Follansbee, D., Paccione, J.D., and L.L. Martin*, "Globally optimal design and operation of a continuous photocatalytic advanced oxidation process featuring moving bed adsorption and draft-tube transport", *Industrial and Engineering Chemistry Research*, Vol. **47** No. **10** (2008) 3591-3600.
14. Moore, F.P. and L.L. Martin*, "A nonlinear nonconvex minimum heat transfer area formulation for ocean thermal energy conversion (OTEC) systems", *Applied Thermal Energy*, Vol. **28** No. **8-9** (2008) 1015-1021.
15. Hronich, J., Plawsky, J., and Bungay, H.R. and L.L. Martin*, "The potential of *Eichhornia crassipes* for biomass refining", *Journal of Industrial Microbiology and Biotechnology*, Vol. **35** No. **5** (2008) 393-402.
16. Martin, L.L. and V.I. Manousiouthakis*, "A minimum area (MA) targeting scheme for single component MEN and HEN synthesis", *Computers and Chemical Engineering*, Vol. **28** No. **8**

(2004) 1237-1247.

17. Martin, L.L. and V.I. Manousiouthakis*, "Globally optimal power cycle synthesis via the infinite dimensional state space (IDEAS) approach featuring minimum area with fixed utility", *Chemical Engineering Science* **58** (2003) 4291-4305.
18. Martin, L.L. and V.I. Manousiouthakis*, "Total annualized cost optimality properties of state space models for mass and heat exchanger networks", *Chemical Engineering Science* **56** (2001) 5835-5851.

Additional Trainings/ Skills:	
	Texas State Bar (TX No. 24093629)