WEB VERSION OF MICHAEL MALISOFF'S CV

Work Address: Department of Mathematics; Louisiana State University (LSU); Baton Rouge, LA 70803–4918
Office: 392 Lockett Hall Phone: (225) 578–6714 (Office) or (225) 578–1665 (Department)
Web Page: http://www.math.lsu.edu/∼malisoff/ E-Mail: malisoff@lsu.edu

I Education

1. Research Associate, 1999-2000, Washington University in Saint Louis, Department of Systems Science and Mathematics (Postdoctoral Position on Defense Advanced Research Projects Agency Joint Force Air Component Commander project "Agile Control of Military Operations").
2. PhD Student, 1996-2000, Rutgers University, Graduate School at New Brunswick, New Brunswick, NJ (PhD in Mathematics conferred in May 2000).
3. BS and MA Student, 1991-1996, State University of New York (SUNY) at Binghamton (BS *summa cum laude* in Economics and Mathematical Sciences, Phi Beta Kappa).

II Faculty appointments

1. LSU, Baton Rouge, Department of Mathematics. (Tenure-Track Assistant Professor and Associate Member of Graduate Faculty, 2001-2007. Tenured Associate Professor, 2007-2012. Member of Graduate Faculty, 2007–. Roy Paul Daniels Professor, 2012–. Full Professor, 2013–.)
2. Texas A&M University-Corpus Christi (TAMU-CC), Department of Computing and Mathematical Sciences (Tenure-Track Assistant Professor of Mathematics, 2000–2001).

III Grants awarded

1. Lead Principal Investigator (PI), "Sequential Predictors for Partial Differential Equation and Delay Systems: Designs, Theory, and Applications," US National Science Foundation (NSF) Division of Electrical, Communications, and Cyber Systems (ECCS) Energy, Power, Control, and Networks Program. (Total Budget: $470,000 for 2017-20. Collaborative with Miroslav Krstic from University of California, San Diego Jacobs School of Engineering. Malisoff is Sole PI for LSU Portion. LSU Portion: $250,000.)
2. Lead PI, "Designs and Theory of State Constrained Nonlinear Predictor Feedbacks for Delay and Partial Differential Equation Systems," NSF ECCS Energy, Power, Control, and Networks Program. (Total Budget: $430,000 for 2014-17. Collaborative with Miroslav Krstic from University of California, San Diego Jacobs School of Engineering. Malisoff is Sole PI for LSU Portion. LSU Portion: $220,000.)
3. Lead PI, "Robustness of Networked Model Predictive Control Satisfying Critical Timing Constraints," NSF Division of Civil, Mechanical, and Manufacturing Innovation Sensors, Dynamics, and Control Program. (Total Budget: $441,000 for 2014-17. Collaborative with Fumin Zhang from Georgia Tech College of Engineering. Malisoff is Sole PI for LSU Portion. LSU Portion: $160,928.)
4. Sole PI, "Theory, Methods, and Applications of Nonlinear Control Systems with Time Delays," NSF Division of ECCS Energy, Power, and Adaptive Systems (EPAS) Program. (Total Budget: $340,439. $324,439 initial award for 2011-14, plus $16,000 for Research Experiences for Undergraduates for 2014.)
5. PI, "Autonomous Control and Sensing Algorithms for Surveying the Impacts of Oil Spills on Coastal Environments," NSF Division of ECCS EPAS Program. (Total Budget: $99,999 for 2010-11. Collaborative with Fumin Zhang from Georgia Tech. Malisoff was Sole PI for LSU Portion. LSU Portion: $49,558.)
6. Sole PI, "Research in Nonlinear Control Systems Theory: Lyapunov Functions, Stabilization, and Engineering Applications II," NSF Division of Mathematical Sciences (DMS) Mathematical Sciences Priority Area (MSPA) Interdisciplinary Program. ($187,917 for 2007–10.)
7. Sole PI, "Research in Nonlinear Control Systems Theory: Lyapunov Functions, Stabilization, and Engineering Applications," NSF DMS MSPA Interdisciplinary and Control, Networks, and Computational Intelligence Programs. ($171,143 for 2004–7.)
8. PI, "Theory, Methods, and Applications of Nonlinear Control," Air Force Office of Scientific Research (AFOSR) Dynamics and Control Program. ($312,597 for 2009-12.)
9. PI, "Theory and Applications of Nonsmooth Dynamical Systems: Stabilization, Differential Inclusions, and Hamilton-Jacobi Equations," NSF-National Academy of Sciences Collaboration in Basic Science and Engineering Program. ($8,200 for 2002–3.)

10. Conference Grants: Co-PI (joint with Peter Wolenski), "Conference on Optimal Control and Nonsmooth Analysis" ($10,000 for 2006–7) and "Support for MCT'03, an International Conference on Mathematical Control Theory at LSU" ($10,500 for 2003–4), NSF DMS Applied Mathematics Program.
11. State Research Grant: Sole PI, "Research in Nonlinear Control Systems Theory: Lyapunov Functions, Output Signals, and Stability Basins," Louisiana Board of Regents ($55,959 for 2003–6).
12. Other State Grants: Co-PI, "Enhancement of Control Theory at LSU," Louisiana Board of Regents Enhancement Program ($155,000 for 2005-7). Co-PI, "Interdisciplinary Education, Outreach, and Research in Control Theory at LSU," Louisiana Board of Regents Enhancement Program ($103,000 for 2002–4).
13. Grants from LSU: PI (joint with Lead PI Michael Khonsari), "Rotor-Bearing Thermohydrodynamic Instability," LSU Council on Research Interdisciplinary Faculty Research Grant ($40,000 for 2005–6). Sole PI, "Feedback Stabilization and Chemostats" ($5,000 for July 2007) and "Lyapunov Functions and Viscosity Solutions" ($5,000 for July 2002), LSU Council on Research Summer Stipend Program.

IV Other awards and honors

1. Elevated to Institute of Electrical and Electronics Engineers (IEEE) Senior Member.
2. Best Presentation Awards at American Control Conference in 2016 (for sessions Time Delay Systems I and Time Delay Systems III), 2014 (for sessions Delay Systems I-II), 2013 (for Supervisory Control and Emerging Control Theory Session), 2010 (for Biological Systems Session), 2007 (for Biochemical Reactors and Reaction Networks Session and Lyapunov-Based Stability of Nonlinear Systems Session), and 2006 (for Stability Analysis Session).
3. 2013 LSU Rainmaker Mid-Career Scholar Award in the Area of Science, Technology, Engineering, or Mathematics, LSU Office of Research and Economic Development, February 2014. [Sole awardee plaque.]
4. Flagship Faculty Honor, LSU Office of Communications and University Relations, August 2013. [One of only two honorees from Department of Mathematics during 2008-2013.]
5. Appointed to Roy Paul Daniels Professorship, LSU College of Science, 2013. [Permanent Board of Regents Endowed Distinguished Professor appointment, in addition to promotion to the rank of full professor.]
6. One of Five Student Best Paper Award Finalists for 2011 American Control Conference, as Advisor for Aleksandra Gruszka. [Plaque for "On tracking for the PVTOL model with bounded feedbacks."]
7. Best Presentation Award for Stability Session at 2006 IEEE Conference on Decision and Control.
8. Best Student Paper Award, 38th IEEE Conference on Decision and Control, December 1999. [First place plaque for "On the Bellman equation for control problems with exit times and unbounded cost functionals."]
9. Awards at SUNY at Binghamton: Award for Academic Excellence - Harpur College, and Awards for Excellence in Economics and Excellence in Mathematical Sciences, May 1993. Elected to Phi Beta Kappa Honor Society, April 1993. Award for Outstanding Academic Achievement in Economics, May 1992.

V Publications

V.1 Research monograph

1. Malisoff, M., and F. Mazenc, *Constructions of Strict Lyapunov Functions*, Communications and Control Engineering Series, Springer-Verlag London Ltd., London, UK, 2009. ISBN: 978-1-84882-534-5.

V.2 Peer reviewed journal articles

2. Malisoff, M., and M. Krstic, "Multivariable extremum seeking with distinct delays using a one-stage sequential predictor," submitted, in review.
3. Ahmed, S., M. Malisoff, and F. Mazenc, "Finite time estimation for time-varying systems with delay in the measurements," submitted, in review.
4. Yao, N., M. Malisoff, and F. Zhang, "Contention-resolving model predictive control for coupled control systems with a shared resource," submitted, in review.
5. Burlion, L., V. Gibert, M. Malisoff, and F. Mazenc, "Controls for a nonlinear system arising in vision based landing of airliners," submitted, in review.
6. Burlion, L., M. Malisoff, and F. Mazenc, "Stabilization for a chain of saturating integrators arising in the visual landing of aircraft with sampling," submitted, in review.
7. Mazenc, F., S. Ahmed, and M. Malisoff, "Reduced order finite time observers and output feedback for time-varying nonlinear systems," submitted, in review.

8. Malisoff, M., "Tracking and parameter identification for model reference adaptive control," submitted, in review.
9. Mazenc, F., and M. Malisoff, "Continuous-discrete sequential observers for time-varying systems under sampling and input delays," *IEEE Transactions on Automatic Control*, 65(4), to appear.
10. Weston, J., and M. Malisoff, "Sequential predictors under time-varying feedback and measurement delays and sampling," *IEEE Transactions on Automatic Control*, 64(7):2991-2996, 2019.
11. Mazenc, F., L. Burlion, and M. Malisoff, "Stabilization and robustness analysis for a chain of saturating integrators with imprecise measurements," *IEEE Control Systems Letters*, 3(2):428-433, 2019.
12. Mazenc, F., L. Burlion, and M. Malisoff, "Backstepping design for output feedback stabilization for a class of uncertain systems," *Systems and Control Letters*, 123:134-143, 2019.
13. Mazenc, F., S. Ahmed, and M. Malisoff, "Finite time estimation through a continuous-discrete observer," *International Journal of Robust and Nonlinear Control*, 28(16):4831-4849, 2018.
14. Mazenc, F., L. Burlion, and M. Malisoff, "Backstepping design for output feedback stabilization for uncertain systems using dynamic extension," *IFAC-PapersOnLine*, 51(13):260-265, 2018.
15. Mazenc, F., M. Malisoff, L. Burlion, and J. Weston, "Bounded backstepping control and robustness analysis for time-varying systems under converging-input-converging-state conditions," *European Journal of Control*, 42:15-24, 2018.
16. Mazenc, F., G. Robledo, and M. Malisoff, "Stability and robustness analysis for a multispecies chemostat model with delays in the growth rates and uncertainties," *Discrete and Continuous Dynamical Systems Series B*, 23(4):1851-1872, 2018.
17. Mazenc, F., M. Malisoff, and H. Ozbay, "Stability and robustness analysis for switched systems with time-varying delays," *SIAM Journal on Control and Optimization*, 56(1):158-182, 2018.
18. Mazenc, F., and M. Malisoff, "Stabilization and robustness analysis for time-varying systems with time-varying delays using a sequential subpredictors approach," *Automatica*, 82:118-127, 2017.
19. Mazenc, F., and M. Malisoff, "Stabilization of nonlinear time-varying systems through a new prediction based approach," *IEEE Transactions on Automatic Control*, 62(6):2908-2915, 2017.
20. Mazenc, F., M. Malisoff, and S.-I. Niculescu, "Stability and control design for time-varying systems with time-varying delays using a trajectory based approach," *SIAM Journal on Control and Optimization*, 55(1):533-556, 2017.
21. Mazenc, F., J. Harmand, and M. Malisoff, "Stabilization in a chemostat with sampled and delayed measurements and uncertain growth functions," *Automatica*, 78:241-249, 2017.
22. Mazenc, F., and M. Malisoff, "Extensions of Razumikhin's theorem and Lyapunov-Krasovskii functional constructions for time-varying systems with delay," *Automatica*, 78:1-13, 2017.
23. Varnell, P., M. Malisoff, and F. Zhang, "Stability and robustness analysis for human pointing motions with acceleration under feedback delays," *International Journal of Robust and Nonlinear Control*, 27(5):703-721, 2017.
24. Malisoff, M., R. Sizemore, and F. Zhang, "Adaptive planar curve tracking control and robustness analysis under state constraints and unknown curvature," *Automatica*, 75:133-143, 2017.
25. Mazenc, F., and M. Malisoff, "Reduction model approach for linear time-varying systems with input delays based on extensions of Floquet theory," *Systems and Control Letters*, 94:70-76, 2016.
26. Malisoff, M., and M. Krstic, "Stabilization and robustness analysis for a chain of exponential integrators using strict Lyapunov functions," *Automatica*, 68:184-193, 2016.
27. Mazenc, F., and M. Malisoff, "New control design for bounded backstepping under input delays," *Automatica*, 66:48-55, 2016.
28. Mazenc, F., and M. Malisoff, "Stability analysis for time-varying systems with delay using linear Lyapunov functions and a positive systems approach," *IEEE Transactions on Automatic Control*, 61(3):771-776, 2016.
29. Karafyllis, I., M. Malisoff, M. de Queiroz, M. Krstic, and R. Yang, "Predictor-based tracking for neuromuscular electrical stimulation," *International Journal of Robust and Nonlinear Control*, 25(14):2391-2419, 2015.
30. Malisoff, M., and F. Zhang, "Robustness of adaptive control under time delays for three-dimensional curve tracking," *SIAM Journal on Control and Optimization*, 53(4):2203-2236, 2015.
31. Mazenc, F., and M. Malisoff, "Trajectory based approach for the stability analysis of nonlinear systems with time delays," *IEEE Transactions on Automatic Control*, 60(6):1716-1721, 2015.
32. Mazenc, F., V. Andrieu, and M. Malisoff, "Design of continuous-discrete observers for time-varying non-

linear systems," *Automatica*, 51(7):135-144, 2015.
33. Mazenc, F., and M. Malisoff, "Local stabilization of nonlinear systems through the reduction model approach," *IEEE Transactions on Automatic Control*, 59(11):3033-3039, 2014.
34. Mazenc, F., M. Malisoff, and S.-I. Niculescu, "Reduction model approach for linear time-varying systems with delays," *IEEE Transactions on Automatic Control*, 59(8):2068-2082, 2014.
35. Mazenc, F., M. Malisoff, and T. Dinh, "Robustness of nonlinear systems with respect to delay and sampling of the controls," *Automatica*, 49(6):1925-1931, 2013.
36. Malisoff, M., and F. Zhang, "Adaptive control for planar curve tracking under controller uncertainty," *Automatica*, 49(5):1411-1418, 2013.
37. Mazenc, F., and M. Malisoff, "Asymptotic stabilization for feedforward systems with delayed feedbacks," *Automatica*, 49(3):780-787, 2013.
38. Gruszka, A., M. Malisoff, and F. Mazenc, "Bounded tracking controllers and robustness analysis for UAVs," *IEEE Transactions on Automatic Control*, 58(1):280-287, 2013.
39. Gruszka, A., M. Malisoff, and F. Mazenc, "Tracking control and robustness analysis for PVTOL aircraft under bounded feedbacks," *International Journal of Robust and Nonlinear Control*, 22(17):1899-1920, 2012.
40. Malisoff, M., F. Mazenc, and F. Zhang, "Stability and robustness analysis for curve tracking control using input-to-state stability," *IEEE Transactions on Automatic Control*, 57(5):1320-1326, 2012.
41. Mazenc, F., and M. Malisoff, "Stability and stabilization for models of chemostats with multiple limiting substrates," *Journal of Biological Dynamics*, 6(2):612-627, 2012.
42. Mazenc, F., and M. Malisoff, "Discussion on *On a small gain theorem for ISS networks in dissipative Lyapunov form*," *European Journal of Control*, 17(4):367-369, 2011.
43. Mazenc, F., M. Malisoff, and M. de Queiroz, "Tracking control and robustness analysis for a nonlinear model of human heart rate during exercise," *Automatica*, 47(5):968-974, 2011.
44. Mazenc, F., M. Malisoff, and M. de Queiroz, "Uniform global asymptotic stability of adaptive cascaded nonlinear systems with unknown high-frequency gains," *Nonlinear Analysis: Theory, Methods, and Applications*, 74(4):1132-1145, 2011.
45. Mazenc, F., and M. Malisoff, "Remarks on output feedback stabilization of two-species chemostat models," *Automatica*, 46(10):1739-1742, 2010.
46. Mazenc, F., and M. Malisoff, "Stabilization of a chemostat model with Haldane growth functions and a delay in the measurements," *Automatica*, 46(9):1428-1436, 2010.
47. Mazenc, F., and M. Malisoff, "Strict Lyapunov function constructions under LaSalle conditions with an application to Lotka-Volterra systems," *IEEE Transactions on Automatic Control*, 55(4):841-854, 2010.
48. Mazenc, F., M. de Queiroz, and M. Malisoff, "Uniform global asymptotic stability of a class of adaptively controlled nonlinear systems," *IEEE Transactions on Automatic Control*, 54(5):1152-1158, 2009.
49. Mazenc, F., M. Malisoff, and J. Harmand, "Stabilization in a two-species chemostat with Monod growth functions," *IEEE Transactions on Automatic Control*, 54(4):855-861, 2009.
50. Mazenc, F., M. Malisoff, and O. Bernard, "A simplified design for strict Lyapunov functions under Matrosov conditions," *IEEE Transactions on Automatic Control*, 54(1):177-183, 2009.
51. Malisoff, M., F. Mazenc, and M. de Queiroz, "Tracking and robustness analysis for controlled microelectromechanical relays," *International Journal of Robust and Nonlinear Control*, 18(18):1637-1656, 2008.
52. Mazenc, F., M. Malisoff, and Z. Lin, "Further results on input-to-state stability for nonlinear systems with delayed feedbacks," *Automatica*, 44(9):2415-2421, 2008.
53. Malisoff, M., and F. Mazenc, "Constructions of strict Lyapunov functions for discrete time and hybrid time-varying systems," *Nonlinear Analysis: Hybrid Systems*, 2(2):394-407, 2008.
54. Mazenc, F., M. Malisoff, and J. Harmand, "Further results on stabilization of periodic trajectories for a chemostat with two species," *IEEE Transactions on Automatic Control*, 53(Special Issue on Systems Biology):66-74, 2008.
55. Mazenc, F., M. Malisoff, and P. De Leenheer, "On the stability of periodic solutions in the perturbed chemostat," *Mathematical Biosciences and Engineering*, 4(2):319–338, 2007.
56. Mazenc, F., and M. Malisoff, "Further results on Lyapunov functions for slowly time-varying systems," *Mathematics of Control, Signals, and Systems*, 19(1):1-21, 2007.
57. Mazenc, F., M. Malisoff, and M. de Queiroz, "Further results on strict Lyapunov functions for rapidly time-varying nonlinear systems," *Automatica*, 42(10):1663–1671, 2006.

58. Mazenc, F., M. de Queiroz, M. Malisoff, and F. Gao, "Further results on active magnetic bearing control with input saturation," *IEEE Transactions on Control Systems Technology*, 14(5):914–919, 2006.
59. Malisoff, M., M. Krichman, and E. Sontag, "Global stabilization for systems evolving on manifolds," *Journal of Dynamical and Control Systems*, 12(2):161–184, 2006.
60. Krastanov, M., M. Malisoff, and P. Wolenski, "On the strong invariance property for non-Lipschitz dynamics," *Communications on Pure and Applied Analysis*, 5(1):107–124, 2006.
61. Mazenc, F., and M. Malisoff, "Further constructions of control-Lyapunov functions and stabilizing feedbacks for systems satisfying the Jurdjevic-Quinn conditions," *IEEE Transactions on Automatic Control*, 51(2):360–365, 2006.
62. Malisoff, M., and P. De Leenheer, "A small-gain theorem for monotone systems with multi-valued input-state characteristics," *IEEE Transactions on Automatic Control*, 51(2):287–292, 2006.
63. Malisoff, M., and F. Mazenc, "Further remarks on strict input-to-state stable Lyapunov functions for time-varying systems," *Automatica*, 41(11):1973–1978, 2005.
64. Malisoff, M., "Further results on Lyapunov functions and domains of attraction for perturbed asymptotically stable systems," *Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis*, 12(2):193–225, 2005.
65. Malisoff, M., L. Rifford, and E. Sontag, "Global asymptotic controllability implies input-to-state stabilization," *SIAM Journal on Control and Optimization*, 42(6):2221–2238, 2004.
66. Malisoff, M., "Bounded-from-below solutions of the Hamilton-Jacobi equation for optimal control problems with exit times: Vanishing Lagrangians, eikonal equations, and shape-from-shading," *NoDEA Nonlinear Differential Equations and Applications*, 11(1):95–122, 2004.
67. Malisoff, M., "Further results on the Bellman equation for optimal control problems with exit times and nonnegative Lagrangians," *Systems and Control Letters*, 50(1):65–79, 2003.
68. Malisoff, M., "Viscosity solutions of the Bellman equation for exit time optimal control problems with vanishing Lagrangians," *SIAM Journal on Control and Optimization*, 40(5):1358–1383, 2002.
69. Malisoff, M., "Viscosity solutions of the Bellman equation for exit time optimal control problems with non-Lipschitz dynamics," *ESAIM: Control, Optimisation and Calculus of Variations*, 6:415–441, 2001.
70. Malisoff, M., and E. Sontag, "Universal formulas for feedback stabilization with respect to Minkowski balls," *Systems and Control Letters*, 40(4):247–260, 2000.

V.3 Peer reviewed conference papers

71. Burlion, L., M. Malisoff, and F. Mazenc, "Stabilization and robustness analysis for a chain of saturating integrators arising in the visual landing of aircraft," in *Proceedings of the 58th IEEE Conference on Decision and Control (Nice, France, 11-13 December 2019)*, to appear.
72. Mazenc, F., and M. Malisoff, "On average values of time-varying delays and a new representation of systems with time-varying delays," in *Proceedings of the 2019 American Control Conference (Philadelphia, PA, 10-12 July 2019)*, pp. 3714-3718.
73. Malisoff, M., F. Mazenc, and S. Ahmed, "Output feedback stabilization by reduced order finite time observers using a trajectory based approach," in *Proceedings of the 2019 American Control Conference (Philadelphia, PA, 10-12 July 2019)*, pp. 1134-1138.
74. Mazenc, F., and M. Malisoff, "Sequential predictors for linear time-varying systems with delays in the vector field and in the input," in *Proceedings of the 57th IEEE Conference on Decision and Control (Miami Beach, FL, 17-19 December 2018)*, pp. 6246-6249.
75. Mazenc, F., S. Ahmed, and M. Malisoff, "Reduced order finite time observers for time-varying nonlinear systems," in *Proceedings of the 57th IEEE Conference on Decision and Control (Miami Beach, FL, 17-19 December 2018)*, pp. 2182-2186.
76. Malisoff, M., B. Sarsilmaz, T. Yucelen, and J. Muse, "Tracking, parameter identification, and convergence rates for model reference adaptive control," in *Proceedings of the American Control Conference (Milwaukee, WI, 27-29 June 2018)*, pp. 6810-6814.
77. Mazenc, F., and M. Malisoff, "Continuous-discrete sequential observers under sampling and input delays," in *Proceedings of the American Control Conference (Milwaukee, WI, 27-29 June 2018)*, pp. 5156-5160.
78. Weston, J., M. Malisoff, and F. Mazenc, "Sequential predictors under time-varying delays: effects of delayed state observations in dynamic controller," in *Proceedings of the 56th IEEE Conference on Decision and Control (Melbourne, Australia, 12-15 December 2017)*, pp. 4351-4356.

79. Mazenc, F., M. Malisoff, and L. Burlion, "Bounded backstepping through a dynamic extension with delay," in *Proceedings of the 56th IEEE Conference on Decision and Control (Melbourne, Australia, 12-15 December 2017)*, pp. 607-611.
80. Mazenc, F., M. Malisoff, and H. Ozbay, "Stability analysis of switched systems with time-varying discontinuous delays," in *Proceedings of the 2017 American Control Conference (Seattle, WA, 24-26 May 2017)*, pp. 5177-5181.
81. Yao, N., M. Malisoff, and F. Zhang, "Contention resolving optimal priority assignment for event-triggered model predictive controllers," in *Proceedings of the 2017 American Control Conference (Seattle, WA, 24-26 May 2017)*, pp. 2357-2362.
82. Mazenc, F., M. Malisoff, and G. Robledo, "Stability and robustness analysis for a multi-species chemostat model with uncertainties," in *Proceedings of the 2017 American Control Conference (Seattle, WA, 24-26 May 2017)*, pp. 2130-2134.
83. Malisoff, M., R. Sizemore, and F. Zhang, "Robustness of adaptive control for three-dimensional curve tracking under state constraints: effects of scaling control terms," in *Proceedings of the 55th IEEE Conference on Decision and Control (Las Vegas, NV, 12-14 December 2016)*, pp. 3825-3830.
84. Mazenc, F., and M. Malisoff, "New prediction approach for stabilizing time-varying systems under time-varying input delay," in *Proceedings of the 55th IEEE Conference on Decision and Control (Las Vegas, NV, 12-14 December 2016)*, pp. 3178-3182.
85. Mazenc, F., M. Malisoff, and J. Weston, "New bounded backstepping control designs for time-varying systems under converging-input-converging-state conditions," in *Proceedings of the 55th IEEE Conference on Decision and Control (Las Vegas, NV, 12-14 December 2016)*, pp. 3167-3171.
86. Mazenc, F., J. Harmand, and M. Malisoff, "Stabilization in a chemostat with sampled and delayed measurements," in *Proceedings of the 2016 American Control Conference (Boston, MA, 6-8 July 2016)*, pp. 1857-1862.
87. Malisoff, M., and F. Zhang, "Adaptive planar curve tracking control with unknown curvature," in *Proceedings of the 2016 American Control Conference (Boston, MA, 6-8 July 2016)*, pp. 1608-1612.
88. Mazenc, F., and M. Malisoff, "Extension of Razumikhin's theorem for time-varying systems with delay," in *Proceedings of the 2016 American Control Conference (Boston, MA, 6-8 July 2016)*, pp. 84-88.
89. Mazenc, F., and M. Malisoff, "Reduction model approach for systems with a time-varying delay," in *Proceedings of the 54th IEEE Conference on Decision and Control (Osaka, Japan, 15-18 December 2015)*, pp. 7723-7727.
90. Malisoff, M., and M. Krstic, "Stabilization of a chain of exponential integrators using a strict Lyapunov function," in *Proceedings of the 54th IEEE Conference on Decision and Control (Osaka, Japan, 15-18 December 2015)*, pp. 1841-1845.
91. Mazenc, F., M. Malisoff, and S-I. Niculescu, "Stability analysis for systems with time-varying delay: trajectory based approach," in *Proceedings of the 54th IEEE Conference on Decision and Control (Osaka, Japan, 15-18 December 2015)*, pp. 1811-1816.
92. Mazenc, F., and M. Malisoff, "Bounded backstepping approach under input delays," in *Proceedings of the 2015 European Control Conference (Linz, Austria, 15-17 July 2015)*, pp. 2056-2061.
93. Mazenc, F., V. Andrieu, and M. Malisoff, "Continuous-discrete observers for time-varying nonlinear systems: a tutorial on recent results," in *Proceedings of the SIAM Conference on Control and Its Applications (Paris, France, 8-10 July 2015)*, pp. 181-188.
94. Karafyllis, I., M. Malisoff, and M. Krstic, "Sampled-data feedback stabilization of age-structured chemostat models," in *Proceedings of the 2015 American Control Conference (Chicago, IL, 1-3 July 2015)*, pp. 4549-4554.
95. Mazenc, F., and M. Malisoff, "New technique for stability analysis for time-varying systems with delay," in *Proceedings of the 53rd IEEE Conference on Decision and Control (Los Angeles, CA, 15-17 December 2014)*, pp. 1215-1220.
96. Mazenc, F., and M. Malisoff, "Stability analysis for neutral and time-varying systems using linear Lyapunov functionals and a positive systems approach," in *Proceedings of the ASME 2014 Dynamic Systems and Control Conference (San Antonio, TX, 22-24 October 2014)*, Paper DSCC2014-6218.
97. Mazenc, F., and M. Malisoff, "Stabilization of time-varying nonlinear systems with time delays using a trajectory based approach," in *Proceedings of the 2014 American Control Conference (Portland, OR, 4-6 June 2014)*, pp. 4854-4858.

98. Karafyllis, I., M. Malisoff, M. de Queiroz, M. Krstic, and R. Yang, "A new tracking controller for neuromuscular electrical stimulation under input delays: Case study in prediction," in *Proceedings of the 2014 American Control Conference (Portland, OR, 4-6 June 2014)*, pp. 4186-4191.
99. Mazenc, F., and M. Malisoff, "Reduction model method for local stabilization of time-varying nonlinear systems with input delays, structured nonlinearities, and uncertainties," in *Proceedings of the 2014 American Control Conference (Portland, OR, 4-6 June 2014)*, pp. 4169-4174.
100. Sadikhov, T., W. Haddad, and M. Malisoff, "A universal feedback controller for discontinuous dynamical systems using nonsmooth control Lyapunov functions," in *Proceedings of the 2014 American Control Conference (Portland, OR, 4-6 June 2014)*, pp. 1174-1179.
101. Malisoff, M., and F. Zhang, "An adaptive control design for 3D curve tracking based on robust forward invariance," in *Proceedings of the 52nd IEEE Conference on Decision and Control (Florence, Italy, 10-13 December 2013)*, pp. 4473-4478.
102. Mazenc, F., M. Malisoff, and S.-I. Niculescu, "Stabilization of linear time varying systems with input delays: Application to rapidly time varying systems," in *Proceedings of the 52nd IEEE Conference on Decision and Control (Florence, Italy, 10-13 December 2013)*, pp. 1584-1589.
103. Malisoff, M., and F. Zhang, "Robustness of a class of three-dimensional curve tracking control laws under time delays and polygonal state constraints," in *Proceedings of the 2013 American Control Conference (Washington, DC, 17-19 June 2013)*, pp. 5710-5715.
104. Mazenc, F., M. Malisoff, and T. Dinh, "Uniform global asymptotic stability for nonlinear systems under input delays and sampling of the controls," in *Proceedings of the 2013 American Control Conference (Washington, DC, 17-19 June 2013)*, pp. 4857-4861.
105. Mazenc, F., and M. Malisoff, "Stabilization for feedforward systems with delay in the input," in *Proceedings of the 51st IEEE Conference on Decision and Control (Maui, HI, 10-13 December 2012)*, pp. 3892-3897.
106. Gruszka, A., M. Malisoff, and F. Mazenc, "Tracking and robustness analysis for UAVs with bounded feedbacks," in *Proceedings of the 2012 American Control Conference (Montreal, Canada, 27-29 June 2012)*, pp. 932-937.
107. Malisoff, M., and F. Zhang, "Adaptive controllers and robustness analysis for curve tracking with unknown control gains," in *Proceedings of the 2012 American Control Conference (Montreal, Canada, 27-29 June 2012)*, pp. 344-349.
108. Mazenc, F., and M. Malisoff, "On stability and stabilization for chemostats with many limiting nutrients," in *Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference (Orlando, FL, 12-15 December 2011)*, pp. 3700-3705.
109. Malisoff, M., F. Mazenc, and F. Zhang, "Input-to-state stability for curve tracking control: A constructive approach," in *Proceedings of the American Control Conference (San Francisco, CA, 29 June-1 July 2011)*, pp. 1984-1989.
110. Gruszka, A., M. Malisoff, and F. Mazenc, "On tracking for the PVTOL model with bounded feedbacks," in *Proceedings of the American Control Conference (San Francisco, CA, 29 June-1 July 2011)*, pp. 1428-1433.
111. Mazenc, F., M. Malisoff, and M. de Queiroz, "Model-based nonlinear control of the human heart rate during treadmill exercising," in *Proceedings of the 49th IEEE Conference on Decision and Control (Atlanta, GA, 15-17 December 2010)*, pp. 1674-1678.
112. Mazenc, F., and M. Malisoff, "Further results on robust output feedback control for the chemostat dynamics," in *Proceedings of the 49th IEEE Conference on Decision and Control (Atlanta, GA, 15-17 December 2010)*, pp. 822-826.
113. Mazenc, F., and M. Malisoff, "Stabilization of two-species chemostats with delayed measurements and Haldane growth functions," in *Proceedings of the 2010 American Control Conference (Baltimore, MD, 30 June-2 July 2010)*, pp. 6740-6744.
114. Mazenc, F., M. Malisoff, and M. de Queiroz, "On uniform global asymptotic stability of adaptive systems with unknown control gains," in *Proceedings of the 2010 American Control Conference (Baltimore, MD, 30 June-2 July 2010)*, pp. 166-171.
115. Del Vecchio, D., M. Malisoff, and R. Verma, "A separation principle for a class of hybrid automata on a partial order," in *Proceedings of the 2009 American Control Conference (St. Louis, MO, 10-12 June 2009)*, pp. 3638-3643.
116. Mazenc, F., and M. Malisoff, "Lyapunov functions under LaSalle conditions with an application to Lotka-Volterra systems," in *Proceedings of the 2009 American Control Conference (St. Louis, MO, 10-12 June*

2009), pp. 96-101.

117. Mazenc, F., M. de Queiroz, and M. Malisoff, "Uniform global asymptotic stability of adaptively controlled nonlinear systems via strict Lyapunov functions," in *Proceedings of the ASME Dynamic Systems and Control Conference (Ann Arbor, MI, 20-22 October 2008)*, pp. 471-476. doi: 10.1115/DSCC2008-2167
118. Malisoff, M., F. Mazenc, and M. de Queiroz, "Remarks on tracking and robustness analysis for MEM relays," in *Proceedings of the 2008 American Control Conference (Seattle, WA, 11-13 June 2008)*, pp. 2945-2950.
119. Mazenc, F., M. Malisoff, and O. Bernard, "Lyapunov functions and robustness analysis under Matrosov conditions with an application to biological systems," in *Proceedings of the 2008 American Control Conference (Seattle, WA, 11-13 June 2008)*, pp. 2933-2938.
120. Mazenc, F., M. Malisoff, and J. Harmand, "Stabilization and robustness analysis for a chemostat model with two species and Monod growth rates via a Lyapunov approach," in *Proceedings of the 46th IEEE Conference on Decision and Control (New Orleans, LA, 12-14 December 2007)*, pp. 3933-3938.
121. Mazenc, F., M. Malisoff, and J. Harmand, "Stabilization of a periodic trajectory for a chemostat with two species," in *Proceedings of the American Control Conference (New York, NY, 11-13 July 2007)*, pp. 6128-6132.
122. Mazenc, F., M. Malisoff, and Z. Lin, "On input-to-state stability for nonlinear systems with delayed feedbacks," in *Proceedings of the American Control Conference (New York, NY, 11-13 July 2007)*, pp. 4804-4809.
123. Mazenc, F., and M. Malisoff, "Lyapunov function constructions for slowly time-varying systems," in *Proceedings of the 45th IEEE Conference on Decision and Control (San Diego, CA, 13–15 December 2006)*, pp. 5108–5113.
124. Malisoff, M., and F. Mazenc, "Control-Lyapunov functions for hybrid time-varying systems," in *Proceedings of the 45th IEEE Conference on Decision and Control (San Diego, CA, 13–15 December 2006)*, pp. 3265–3270.
125. Mazenc, F., P. De Leenheer, and M. Malisoff, "Stabilizing a periodic solution in the chemostat: A case study in tracking," in *Proceedings of the 45th IEEE Conference on Decision and Control (San Diego, CA, 13–15 December 2006)*, pp. 1794–1799.
126. Mazenc, F., M. Malisoff, and M. de Queiroz, "On strict Lyapunov functions for rapidly time-varying nonlinear systems," in *Proceedings of the American Control Conference (Minneapolis, MN, 14–16 June 2006)*, pp. 2303–2308.
127. De Leenheer, P., and M. Malisoff, "Remarks on monotone control systems with multi-valued input-state characteristics," in *Proceedings of the 44th IEEE Conference on Decision and Control and European Control Conference (Seville, Spain, 12–15 December 2005)*, pp. 8012–8017.
128. Mazenc, F., and M. Malisoff, "Control-Lyapunov functions for systems satisfying the conditions of the Jurdjevic-Quinn Theorem," in *Proceedings of the 44th IEEE Conference on Decision and Control and European Control Conference (Seville, Spain, 12–15 December 2005)*, pp. 4724–4729.
129. Mazenc, F., M. de Queiroz, and M. Malisoff, "On active magnetic bearing control with input saturation," in *Proceedings of the 44th IEEE Conference on Decision and Control and European Control Conference (Seville, Spain, 12–15 December 2005)*, pp. 1090–1095.
130. Malisoff, M., and F. Mazenc, "Further constructions of strict Lyapunov functions for time-varying systems," in *Proceedings of the American Control Conference (Portland, OR, 8–10 June 2005)*, pp. 1889–1894.
131. Malisoff, M., L. Rifford, and E. Sontag, "Remarks on input to state stabilization," in *Proceedings of the 42nd IEEE Conference on Decision and Control (Maui, HI, 9–12 December 2003)*, pp. 1053–1058.
132. Malisoff, M., "Viscosity solutions of the Bellman equation for perturbed optimal control problems with exit times," in *Proceedings of the 41st IEEE Conference on Decision and Control (Las Vegas, NV, 10–13 December 2002)*, pp. 2348–2353.
133. Malisoff, M., "Viscosity solutions of the Bellman equation for infinite horizon optimal control problems with negative instantaneous costs," in *Proceedings of the 41st IEEE Conference on Decision and Control (Las Vegas, NV, 10–13 December 2002)*, pp. 722–727.
134. Malisoff, M., and H. Sussmann, "Further results on the Bellman equation for exit time optimal control problems with nonnegative Lagrangians: The case of Fuller's Problem," in *Proceedings of the 39th IEEE Conference on Decision and Control (Sydney, Australia, 12–15 December 2000)*, pp. 2308–2310.
135. Malisoff, M., "An algorithm for feedback stabilization with respect to saturating controls using universal

formulas for control-Lyapunov functions," in *Proceedings of the American Control Conference (Chicago, IL, 28–30 June 2000)*, pp. 1771–1773.

136. Malisoff, M., "A remark on the Bellman equation for optimal control problems with exit times and noncoercing dynamics," in *Proceedings of the 38th IEEE Conference on Decision and Control (Phoenix, AZ, 7–10 December 1999)*, pp. 877–881.
137. Malisoff, M., "On the Bellman equation for control problems with exit times and unbounded cost functionals," in *Proceedings of the 38th IEEE Conference on Decision and Control (Phoenix, AZ, 7–10 December 1999)*, pp. 23–28.
138. Malisoff, M., "A new result on the Bellman equation for exit time control problems with critical growth dynamics," in *Proceedings of the 37th Allerton Conference on Communication, Control, and Computing (Monticello, IL, 22–24 September 1999)*, pp. 657–658.
139. Malisoff, M., and E. Sontag, "Universal formulas for CLF's with respect to Minkowski balls," in *Proceedings of the American Control Conference (San Diego, CA, 2–4 June 1999)*, pp. 3033–3037.

V.4 Other

140. Karafyllis, I., M. Malisoff, F. Mazenc, and P. Pepe, "Stabilization of nonlinear delay systems: A tutorial on recent results," in *Recent Results on Nonlinear Delay Control Systems*, I. Karafyllis, M. Malisoff, F. Mazenc, and P. Pepe, Eds., Advances in Delays and Dynamics Series, Springer, New York, 2015, pp. 1-41.
141. Karafyllis, I., M. Malisoff, F. Mazenc, and P. Pepe, Eds., *Recent Results on Nonlinear Delay Control Systems*, Advances in Delays and Dynamics Series, Springer, New York, 2015.
142. Mukhopadhyay, S., C. Wang, M. Patterson, M. Malisoff, and F. Zhang, "Collaborative autonomous surveys in marine environments affected by oil spills," in *Cooperative Robots and Sensor Networks 2014*, A. Koubaa and A. Khelil, Eds., Studies in Computational Intelligence Series, Springer, New York, 2014, pp. 87-113.
143. Malisoff, M., "Book review for [*Algebraic Methods for Nonlinear Control Systems, Theory and Applications, Second Edition*]," *IEEE Transactions on Automatic Control*, Vol. 52, No. 12, 2007, pp. 2395-2396.
144. Malisoff, M., and E. Sontag, "Asymptotic controllability and input-to-state stabilization: The effect of actuator errors," in *Optimal Control, Stabilization, and Nonsmooth Analysis*, M. de Queiroz, M. Malisoff, and P. Wolenski, Eds., Lecture Notes in Control and Information Sciences, Springer-Verlag, New York, 2004, pp. 155–171.
145. de Queiroz, M., M. Malisoff, and P. Wolenski, Eds., *Optimal Control, Stabilization, and Nonsmooth Analysis*, Lecture Notes in Control and Information Sciences, Springer-Verlag, New York, 2004.
146. Malisoff, M., *Viscosity Solutions of the Bellman Equation for Optimal Control Problems with Exit Times*, PhD Thesis, Department of Mathematics, Rutgers University, New Brunswick, NJ, 2000.

VI Inventions

1. "Method for Visual Landing of Aircraft on Unequipped Runways," joint with Laurent Burlion, Victor Gibert, and Frederic Mazenc, LSU Invention Disclosure LSU-2019-065, 2019.
2. "Method for Contention-Resolving Optimal Priority Assignment," joint with Ningshi Yao and Fumin Zhang, LSU Disclosure LSU-2019-009, 2018.
3. "Pointer Acceleration System Modeling," joint with Paul Varnell and Fumin Zhang, Utility Patent Application No. 15/945,895, Filed April 5, 2018.
4. "Control Method for Pointer Acceleration for Computer Mice or Other Interfaces," joint with Paul Varnell and Fumin Zhang, U.S. Provisional Patent No. 62/481,783, Filed April 5, 2017.

VII Talks

VII.1 Lecture series

1. Invited Speaker, "Stability analysis of switched systems with time-varying discontinuous delays" and "Contention resolving optimal priority assignment for event-triggered model predictive controllers" and "Stability and robustness analysis for a multi-species chemostat model with uncertainties" and "New prediction approach for stabilizing time-varying systems under time-varying input delay" in Mini-Workshop on Control Theory, Department of Mechanical Engineering, University of South Florida, Tampa, FL, May 22, 2017.

2. Invited Speaker, "Adaptive planar curve tracking control with unknown curvature" (Presentation #1), "Matrosov's approach" (Department Seminar), "Lyapunov-Krasovskii functionals" (Presentation #2), and "Robust forward invariance" (Presentation #3), Department of Mechanical and Aerospace Engineering at University of Florida, Gainesville, FL, November 17-18, 2016. [Four Talks in Lecture Series "Constructions of strict Lyapunov functions: stability, robustness, delays, and state constraints".]
3. Speaker, "Constructions of strict Lyapunov functions: stability, robustness, delays, and state constraints," 3 Lecture Minicourse at 22nd International Symposium on Mathematical Theory of Networks and Systems, Minneapolis, MN, July 12, 2016.
4. Invited Principal Speaker, "Lyapunov functions, point stabilization, and strictification," 2 90-minute lectures at Workshop on Constructive Lyapunov Control and Strictification with Applications, Georgia Tech School of Electrical and Computer Engineering, Atlanta, GA, December 18, 2010.

VII.2 Other conference presentations

5. Speaker, "Output feedback stabilization by reduced order finite time observers using a trajectory based approach" (in session Observers for Nonlinear Systems II) and "Sequential predictors for linear time-varying systems with delays in the vector field and in the input" (in session Delay Systems as Invited Substitute Talk for Position ThC13.1 by Invitation of Session Chair and Co-Chair) and "On average values of time-varying delays and a new representation of systems with time-varying delays" (in session Delay Systems), 2019 American Control Conference, Philadelphia, PA, July 10-12, 2019.
6. Speaker, "Reduced order finite time observers for time-varying nonlinear systems" (in session Observers for Nonlinear Systems III) and "Sequential predictors for linear time-varying systems with delays in the vector field and in the input" (in session Delay Systems II), 57th IEEE Conference on Decision and Control, Miami Beach, FL, December 17-19, 2018.
7. Speaker, "Continuous-discrete sequential observers under sampling and input delays" (in session Observers for Linear Systems) and "Tracking, parameter identification, and convergence rates for model reference adaptive control" (in session Uncertain Systems III), 2018 American Control Conference, Milwaukee, WI, June 27-29, 2018.
8. Invited Speaker, "Tracking and parameter identification for model reference adaptive control" (in Special Session on Parameter Analysis and Estimation in Applied Dynamical Systems) and "Stability and robustness analysis for human pointing motions with acceleration under feedback delays" (in Special Session on Advances in Integral and Differential Equations) and "Stability and control design for time-varying systems with time-varying delays using a trajectory-based approach" (in Special Session on Differential Equations and Applications), American Mathematical Society (AMS) Spring Central Sectional Meeting, Ohio State University, Columbus, OH, March 17-18, 2018.
9. Invited Speaker, "Sequential predictors for input delay compensation in control systems," Special Session on Advances in Difference, Differential, and Dynamic Equations with Applications, 2018 Joint Mathematics Meetings, San Diego, CA, January 10-13, 2018.
10. Invited Speaker, "Adaptive tracking and parameter identification for nonlinear control systems" and "Stability and robustness analysis for a multispecies chemostat model with delays in the growth rates and uncertainties," 2018 FIU Applied Mathematics Conference, Florida International University, Miami, FL, January 3-6, 2018.
11. Invited Speaker, "Robustness analysis for a multispecies chemostat model with delays in the growth rates and uncertainties" (in Special Session on Differential Equations in Mathematical Biology) and "Bounded backstepping for nonlinear control systems" (in Special Session on Fractal Geometry, Dynamical Systems, and Their Applications), AMS Fall Southeastern Sectional Meeting, University of Central Florida, Orlando, FL, September 23-24, 2017.
12. Speaker, "Stability and robustness analysis for a multi-species chemostat model with uncertainties" (in session Biological Systems) and "Stability analysis of switched systems with time-varying discontinuous delays" (in session Switched Systems II), 2017 American Control Conference, Seattle, WA, May 24-26, 2017.
13. Invited Speaker, "Stabilization in a chemostat with sampled and delayed measurements" (in Special Session on Analytical and Computational Studies in Mathematical Biology) and "Extension of Razumikhin's theorem for time-varying dynamical systems with delays" (in Special Session on Nonlinear Systems and Applications), Joint Mathematics Meetings, Atlanta, GA, January 4-7, 2017.

14. Speaker, "New prediction approach for stabilizing time-varying systems under time-varying input delay" (in session Delay Systems IV) and "Robustness of adaptive control for three-dimensional curve tracking under state constraints: effects of scaling control terms" (in session Robust Adaptive Control), 55th IEEE Conference on Decision and Control, Las Vegas, NV, December 12-14, 2016.
15. Speaker, "Extension of Razumikhin's theorem for time-varying systems with delay" (in session Time Delay Systems I), "Adaptive planar curve tracking control with unknown curvature" (in session Adaptive Control II), and "Stabilization in a chemostat with sampled and delayed measurements" (in session Time Delay Systems III), 2016 American Control Conference, Boston, MA, July 6-8, 2016.
16. Speaker, "Robustness of adaptive control under time delays for three-dimensional curve tracking," Special Session on Variational Analysis, Optimization, and Control III, AMS Central Fall Sectional Meeting, Chicago, IL, October 2-4, 2015.
17. Invited Guest Speaker, "Adaptive control with parameter identification with an application to curve tracking," Georgia Tech Decision and Control Student Symposium, Atlanta, GA, April 24, 2015.
18. Speaker, "New technique for stability analysis for time-varying systems with delay," Delay Systems Session II, 53rd IEEE Conference on Decision and Control, Los Angeles, CA, December 15-17, 2014.
19. Speaker, "Stability analysis for neutral and time-varying systems using linear Lyapunov functionals and a positive systems approach," Time Delay Systems and Stability Session, American Society of Mechanical Engineers (ASME) 2014 Dynamic Systems and Control Conference, San Antonio, TX, October 22-24, 2014.
20. Invited Speaker, "Predictor-based tracking for neuromuscular electrical stimulation," Minisymposium on Engineering Applications of Mathematics, Society for Industrial and Applied Mathematics (SIAM) Annual Meeting, Chicago, IL, July 7-11, 2014.
21. Speaker, "Reduction model method for local stabilization of time-varying nonlinear systems with input delays, structured nonlinearities, and uncertainties" and "A new tracking controller for neuromuscular electrical stimulation under input delays: Case study in prediction" (both in Delay Systems Session I) and "Stabilization of time-varying nonlinear systems with time delays using a trajectory based approach" (in Delay Systems Session II), 2014 American Control Conference, Portland, OR, June 4-6, 2014.
22. Invited Speaker, "Asymptotic stabilization for feedforward systems with delayed feedbacks" (in Minisymposium on Nonlinear Systems Part I of II) and "Robustness of nonlinear systems with respect to delay and sampling of the controls" (in Minisymposium on Time Delay Systems with Applications, as substitute for Frédéric Mazenc), SIAM Conference on Control and Its Applications, San Diego, CA, July 8-10, 2013.
23. Speaker, "Uniform global asymptotic stability for nonlinear systems under input delays and sampling of the controls" (in Stability of Nonlinear Systems Session II) and "Robustness of a class of three-dimensional curve tracking control laws under time delays and polygonal state constraints" (in Supervisory Control and Emerging Control Theory Session), American Control Conference, Washington, DC, June 17-19, 2013.
24. Speaker, "Asymptotic stabilization for feedforward systems with delayed feedbacks," Special Session on Control Theory and Qualitative Analysis of Partial Differential Equations, 2013 AMS Spring Central Section Meeting, Ames, IA, April 27-28, 2013.
25. Invited Speaker, "Control and robustness analysis for curve tracking with unknown control gains," Special Session on Theory and Interdisciplinary Applications of Dynamical Systems, 2013 Joint Mathematics Meetings, San Diego, CA, January 9-12, 2013.
26. Speaker, "Tracking controllers and robustness analysis for UAVs," Special Session on Nonlinear Dynamical Systems and Applications IV, AMS Spring Central Section Meeting, Lawrence, KS, March 30-April 1, 2012.
27. Invited Speaker, "Stability and stabilization for chemostat models: A survey," Special Session on Recent Advances in Mathematical Biology, Ecology, and Epidemiology III, 2012 Joint Mathematics Meetings, Boston, MA, January 4-7, 2012.
28. Speaker, "On stability and stabilization for chemostats with many limiting nutrients," Biological Systems Session II, 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, December 12-15, 2011.
29. Invited Speaker, "Adaptive tracking and parameter estimation with unknown high frequency gains: A case study in strictification," Minisymposium on Recent Developments in Adaptive Control with Applications, SIAM Conference on Control and Its Applications, Baltimore, MD, July 25-27, 2011.
30. Speaker, "Input-to-state stability for curve tracking control: A constructive approach," Stability of Nonlinear Systems Session, 2011 American Control Conference, San Francisco, CA, June 29-July 1, 2011.

31. Invited Poster Presenter, "Robotic methods for surveying the impacts of oil spills," Deepwater Horizon Oil Spill Conference: Research from the Four University Consortium and Louisiana Universities Marine Consortium (LUMCON), LSU, April 29, 2011.
32. Invited Speaker, "Uniform global asymptotic stability of adaptive cascaded nonlinear systems with unknown high-frequency gains" (in Special Session on Control Systems and Signal Processing) and "Controlling human heart rate response during treadmill exercise" (in Special Session on Advances in Biomedical Mathematics), AMS Spring Southeastern Sectional Meeting, Statesboro, GA, March 12-13, 2011.
33. Invited Speaker, "Adaptive tracking and estimation for nonlinear control systems," AMS-SIAM Special Session on Control and Inverse Problems for Partial Differential Equations, Joint Mathematics Meetings, New Orleans, LA, January 6-9, 2011.
34. Invited Speaker, "Recent results on control problems for chemostats," SIAM Minisymposium on Applications of Difference and Differential Equations in Ecology and Epidemiology, Joint Mathematics Meetings, New Orleans, LA, January 6-9, 2011. Also given in Special Session on Control Systems and Signal Processing, AMS Spring Southeastern Sectional Meeting, Statesboro, GA, March 12-13, 2011.
35. Speaker, "Further results on robust output feedback control for the chemostat dynamics" (in Biological and Biomedical Systems Session I) and "Model-based nonlinear control of the human heart rate during treadmill exercising" (in Biological and Biomedical Systems Session II), 49th IEEE Conference on Decision and Control, Atlanta, GA, December 15-17, 2010.
36. Invited Speaker, "Tracking control and robustness analysis for a nonlinear model of human heart rate during exercise" (in Special Session on Mathematical Models in Biology and Medicine) and "Stabilization of a chemostat model with Haldane growth functions and a delay in the measurements" (in Special Session on Differential Equations and Applications to Physics and Biology), AMS Fall Southeastern Sectional Meeting, Richmond, VA, November 6-7, 2010.
37. NSF RAPID Awardee Poster Presenter, "Autonomous control and sensing algorithms for surveying the impacts of oil spills on coastal environments," Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill, New Orleans, LA, November 1-2, 2010.
38. Invited Speaker, "On uniform global asymptotic stability of adaptive systems with unknown control gains," New Directions in Stability and Stabilization Session, American Control Conference, Baltimore, MD, June 30-July 2, 2010.
39. Speaker, "Stabilization of two-species chemostats with delayed measurements and Haldane growth functions," Biological Systems Session, American Control Conference, Baltimore, MD, June 30-July 2, 2010.
40. Speaker, "Strict Lyapunov function constructions under LaSalle conditions with an application to Lotka-Volterra systems," Special Session on Dynamical Systems, AMS Fall Southeastern Sectional Meeting, Boca Raton, FL, October 30-November 1, 2009.
41. Speaker, "Lyapunov functions under LaSalle conditions with an application to Lotka-Volterra systems," Stability of Nonlinear Systems Session, American Control Conference, St. Louis, MO, June 10-12, 2009.
42. Speaker, "Lyapunov functions and robustness analysis under Matrosov conditions with an application to biological systems" and "Remarks on tracking and robustness analysis for MEM relays," Stability of Nonlinear Systems-Applications Session, American Control Conference, Seattle, WA, June 11-13, 2008.
43. Speaker, "Stabilization and robustness analysis for a chemostat model with two species," Special Session on Mathematical Modeling in Biology IV, AMS Spring Southeastern Sectional Meeting, Baton Rouge, LA, March 28-30, 2008.
44. Speaker, "Stabilization and robustness analysis for a chemostat model with two species and Monod growth rates via a Lyapunov approach," Control of Biological Systems Session, 46th IEEE Conference on Decision and Control, New Orleans, LA, December 12-14, 2007.
45. Speaker, "Stabilization of a periodic trajectory for a chemostat with two species," Biochemical Reactors and Reaction Networks Session, American Control Conference, New York, NY, July 11-13, 2007. Also given at Workshop on Control Theory and Mathematical Biology, LSU, July 26-27, 2007.
46. Speaker, "On input-to-state stability for nonlinear systems with delayed feedbacks," Lyapunov-Based Stability of Nonlinear Systems Session, American Control Conference, New York, NY, July 11-13, 2007.
47. Speaker, "On strict Lyapunov functions for rapidly and slowly time-varying nonlinear systems" and "Further results on the stability of periodic solutions in the chemostat," Louisiana Workshop on Mathematical Control Theory, LSU, May 22-31, 2007.
48. Invited Speaker,"On the stability of periodic solutions in the perturbed chemostat," SIAM Minisymposium

on Mathematical Modeling of Complex Systems in Biology, Joint Mathematical Meetings, New Orleans, LA, January 5-8, 2007.

49. Speaker, "Lyapunov function constructions for slowly time-varying systems" (in Stability Session) and "Control-Lyapunov functions for hybrid time-varying systems" (in Nonlinear and Hybrid Control Session), 45th IEEE Conference on Decision and Control, San Diego, CA, December 13-15, 2006.
50. Poster Presenter, "Stabilizing a periodic solution in the chemostat: A case study in tracking," Tracking Session, 45th IEEE Conference on Decision and Control, San Diego, CA, December 13-15, 2006.
51. Speaker, "On strict Lyapunov functions for rapidly time-varying nonlinear systems," Stability Analysis Session, American Control Conference, Minneapolis, MN, June 14-16, 2006.
52. Invited Speaker, "Strict Lyapunov functions for discrete time and hybrid time-varying systems," International Conference on Hybrid Systems and Applications, University of Louisiana at Lafayette, May 22-26, 2006.
53. Speaker, "On strict Lyapunov functions for discrete time, continuous time, and hybrid time-varying systems," Louisiana Workshop on Mathematical Control Theory, LSU, May 16-25, 2006.
54. Invited Speaker, "Global stabilization for systems evolving on manifolds" and "Further constructions of strict Lyapunov functions for time-varying systems" (both in Minisymposium on Control of Nonlinear Systems) and "A small-gain theorem for monotone systems with multi-valued input-state characteristics" (in Minisymposium on Monotone Systems and Their Applications), SIAM Conference on Control and Its Applications, New Orleans, LA, July 11-14, 2005.
55. Speaker, "Further constructions of strict Lyapunov functions for time-varying systems," Stability of Nonlinear Systems I, American Control Conference, Portland, OR, June 8-10, 2005.
56. Invited 45-Minute Lecture, "Asymptotic controllability and input-to-state stabilization: The effect of actuator errors," Special Session on Variational Analysis and Applications, Fourth World Congress of Nonlinear Analysts, Orlando, FL, June 30-July 7, 2004.
57. Speaker, "Remarks on input-to-state stabilization," Louisiana Conference on Mathematical Control Theory, LSU, April 10-13, 2003. Also given at Rutgers Nonlinear Control Workshop, Rutgers University Department of Mathematics, August 4-8, 2003.
58. Speaker, "Viscosity solutions of the Bellman equation for perturbed optimal control problems with exit times" (in session Optimization Methods in Control II) and "Viscosity solutions of the Bellman equation for infinite horizon optimal control problems with negative instantaneous costs" (invited talk in session Nonsmooth Analytic Methods in Control Theory I), 41st IEEE Conference on Decision and Control, Las Vegas, NV, December 10-13, 2002.
59. Invited Speaker, "Further results on the Bellman equation for optimal control problems with exit times," Minisymposium on Nonlinear Systems and Viscosity Solutions, SIAM Conference on Control and Its Applications, San Diego, CA, July 11-14, 2001.
60. Invited Speaker, "Recent results on viscosity solutions of the Bellman equation for optimal control problems with exit times," Special Session on Optimal Control, Calculus of Variations, and Nonsmooth Analysis, AMS Spring Central Section Meeting, Lawrence, KS, March 30-31, 2001.
61. Speaker, "A remark on the Bellman equation for optimal control problems with exit times and noncoercing dynamics" (in Optimal Control and Optimization Session) and "On the Bellman equation for control problems with exit times and unbounded cost functionals" (invited talk in Optimal Control Session I), 38th IEEE Conference on Decision and Control, Phoenix, AZ, December 7-10, 1999.
62. Speaker, "A new result for exit time control problems with critical growth dynamics," Robust Control and Decision Making Session, 37th Annual Allerton Conference on Communication, Control, and Computing, University of Illinois, Monticello, IL, September 22-24, 1999.
63. Speaker, "Universal formulas for CLF's with respect to Minkowski balls," Nonlinear Stabilization Session, American Control Conference, San Diego, CA, June 2-4, 1999.

VII.3 Other talks

64. Invited Seminar Speaker, "Adaptive tracking and parameter identification for model reference adaptive control," Ohio State University Department of Electrical and Computer Engineering, Columbus, OH, March 19, 2018.
65. Invited Department Seminar Speaker, "Adaptive tracking and parameter identification." Given in University of Nevada, Reno Department of Mechanical Engineering (January 24, 2018), Lehigh University

Department of Mechanical Engineering and Mechanics (February 9, 2018), and Florida International University Department of Mathematics and Statistics (Miami, FL, February 27, 2018).

66. Invited Speaker, "Delay compensation in control systems," Department Seminar, Department of Mechanical and Aerospace Engineering, University of California San Diego, January 12, 2018.
67. Invited Differential Equations Seminar, "Stabilization in a chemostat with sampled and delayed measurements," Department of Mathematics, University of Tennessee, Knoxville, TN, October 12, 2017.
68. Invited Speaker "Delay compensation in control systems," Fall 2017 Seminar Series, Department of Electrical and Computer Engineering, University of Central Florida, Orlando, FL, September 22, 2017.
69. Speaker, "Matrosov's approach," Differential Equations Seminar, Department of Mathematics and Statistics, University of South Florida, Tampa, FL, April 21, 2017.
70. Technical Presentation, "Feedback control under input delays." Given in Department of Mathematical Sciences at University of Alabama in Huntsville (April 18, 2017) and Department of Mathematical Sciences at University of Massachusetts Lowell (March 26, 2018).
71. William Maxwell Reed Seminar, "Adaptive tracking and parameter identification: theory and marine robotic applications," Department of Mechanical Engineering, University of Kentucky, Lexington, KY, February 17, 2017.
72. Invited Seminar Speaker, "Stabilization and robustness analysis under feedback delays," NSF FREEDM Systems Center, North Carolina State University, Raleigh, NC, November 5, 2015.
73. Invited Colloquium Speaker, "Systems and control: an introduction and a marine robotics application," Department of Mathematics and Statistics, Georgia State University, Atlanta, GA, April 23, 2015.
74. Invited Speaker, "Tracking control for neuromuscular electrical stimulation," Applied Mathematics Colloquium, Department of Mathematics and Statistics, University of Maryland, Baltimore County, March 4, 2015. Also presented as talk in Spring 2015 Seminar Series Presented by ECE Division in Department of Electrical Engineering and Computer Science at University of Central Florida in Orlando (January 26, 2015), Joint Differential Equations and Mechanical Engineering Seminar at University of South Florida in Tampa, FL (January 30, 2015), Applied and Computational Mathematics Seminar at Georgia Tech School of Mathematics (April 20, 2015), and Department Seminar in Department of Electrical Engineering and Computer Science at Northwestern University in Evanston, IL (October 2, 2015).
75. Invited Graduate Seminar Speaker, "Curve tracking for marine robots: A case study in feedback control," Department of Electrical and Computer Engineering, University of Texas at San Antonio, February 21, 2014. Also presented as Department Seminar in Department of Electrical Engineering and Computer Science at Northwestern University in Evanston, IL on July 8, 2014.
76. Invited Speaker, "Asymptotic stabilization for feedforward systems with delayed feedbacks," Cymer Center for Control Systems and Dynamics, University of California at San Diego, January 11, 2013.
77. Invited Seminar Speaker, "Tracking and robustness analysis for UAVs under input constraints," Georgia Tech School of Aerospace Engineering, Atlanta, GA, May 29, 2012.
78. Invited Controls Seminar Speaker, "Adaptive control for curve tracking under controller uncertainty: A case study in strictification," Georgia Tech, Atlanta, GA, May 23, 2012.
79. Invited Colloquium Speaker, "Adaptive tracking and parameter identification for nonlinear control systems." Given as Department Colloquium in Department of Mathematical Sciences at University of Texas at Dallas (Richardson, TX, February 16, 2012) and Applied Mathematics Colloquium in Department of Mathematics at North Carolina State University (Raleigh, NC, November 4, 2015).
80. Invited Controls Seminar Speaker, "Lyapunov functions, point stabilization, and strictification," University of Michigan College of Engineering, Ann Arbor, MI, October 7, 2011.
81. Invited Speaker, "Stability and robustness analysis for curve tracking control using input-to-state stability," Georgia Tech, Savannah, GA, March 14-15, 2011.
82. Invited Speaker, "New Lyapunov function methods for adaptive and time-delayed systems" (May 4, 2010) and "Constructions of strict Lyapunov functions: An overview" (October 27, 2010) in LSU Department of Electrical and Computer Engineering.
83. Invited Colloquium Speaker, "Viscosity solutions of the Bellman equation for exit time optimal control problems." Given at University of Texas at Arlington Department of Mathematics (February 26, 2001), Boise State University Department of Mathematics (Boise, ID, March 9, 2001), LSU Department of Mathematics (Baton Rouge, LA, April 9, 2001), and University of North Florida Department of Mathematics and Statistics (Jacksonville, FL, April 18, 2001).

84. Invited Colloquium Speaker, "Recent results on the Bellman equation for optimal control problems with exit times," Department of Computing and Mathematical Sciences, TAMU-CC, May 16, 2000.

VIII Service

1. Associate Editor for *Asian Journal of Control* (2017-), *Discrete and Continuous Dynamical Systems Series B* (2018-), *European Journal of Control* (2019-), and *SIAM Journal on Control and Optimization* (2014-). Past Editorial Board Member for IEEE Control Systems Society Conference Editorial Board (2008-2011), *Automatica* (2008-2011), *IEEE Transactions on Automatic Control* (2011-2015), *International Journal of Differential Equations* (2008-2009), International Symposium on Mathematical Theory of Networks and Systems (2018), *Mathematical Methods in the Applied Sciences* (2010-2011), *Mathematical Problems in Engineering* (2008-2009), SIAM Conference on Control and Its Applications (2019), and *Systems and Control Letters* (2008-2014).
2. Referee for journals *Automatica*; *Differential and Integral Equations*; *Differential Equations and Nonlinear Mechanics*; *ESAIM: Modélisation Mathématique et Analyse Numérique*; *European Journal of Control*; *IEEE/ASME Transactions on Mechatronics*; *IEEE Control Systems Letters*; *IEEE Transactions on Automatic Control*; *IEEE Transactions on Circuits and Systems I*; *IEEE Transactions on Control Systems Technology*; *International Journal of Adaptive Control and Signal Processing*; *International Journal of Control*; *International Journal of Non-Linear Mechanics*; *International Journal of Robust and Nonlinear Control*; *Journal of Applied Mathematics and Computing*; *Journal of Dynamics and Differential Equations*; *Journal of Mathematical Analysis and Applications*; *Journal of Mathematical Biology*; *Mathematical Biosciences and Engineering*; *Mathematical Control and Related Fields*; *Mathematical Methods in the Applied Sciences*; *Mathematics of Control, Signals, and Systems*; *Nonlinear Analysis: Hybrid Systems*; *Nonlinear Analysis: Theory Methods and Applications*; *SIAM Journal on Control and Optimization*; and *Systems and Control Letters*. Referee for proceedings of IEEE Conference on Decision and Control, American Control Conference, IFAC Symposium on Nonlinear Control Systems, 14th Mediterranean Conference on Control and Automation, 32nd Conference of the IEEE Industrial Electronics Society, European Control Conference, 17th IFAC World Congress, and IEEE Multi-Conference on Systems and Control.
3. Memberships in Conference Committees: Program Committee for SIAM Conference on Control and Its Applications, 2019. Global Organizing Committee for World Congress of Nonlinear Analysts, 2008.
4. Co-Organizer for Minisymposium "Marine Robotic Controls," SIAM Conference on Control and Its Applications (2013). Co-Organizer for Invited Session "New Directions in Stability and Stabilization," American Control Conference (2010). Co-Organizer for Minisymposia "Monotone Systems and their Applications" and "Control of Nonlinear Systems," SIAM Conference on Control and Its Applications (2005). Co-Chair and Organizer for Invited Sessions "Nonsmooth Analytic Methods in Control Theory I-II," 41st IEEE Conference on Decision and Control (2002). Co-Organizer for "Special Sessions on Optimal Control, Calculus of Variations, and Nonsmooth Analysis I-IV," AMS Spring Central Section Meeting (2001).
5. Session Chair: 2008, 2009, and 2011 American Control Conferences, and 2006 and 2016 IEEE Conference on Decision and Control. Session Co-Chair: 2005 American Control Conference, 2010 IEEE Conference on Decision and Control, 22nd International Symposium on Mathematical Theory of Networks and Systems.
6. NSF Proposal Review Panels (Power, Control, and Adaptive Networks Program, 2007 and 2009. Energy, Power, and Adaptive Systems Program, 2012. Cyber-Physical Systems Program, 2014, 2017, and 2019. Energy, Power, Control, and Networks Program, 2015. Dynamics, Control, and System Diagnostics Program, 2015). Reviewer for AFOSR Dynamics and Control Program, MathSciNet, NSF DMS Applied Mathematics Program, SIAM Book Proposal, South Africa National Research Foundation Application for Rating, US Civilian Research and Development Foundation, and US-Israel Binational Science Foundation.
7. College Service: Member, College of Arts and Sciences Faculty Senate, 2006-2009 [Member (2006-2009) and Chair (2007-2009) of Academic Freedom and Scholarship Committee. Member of Academic Oversight Committee, 2007-2009. Second Vice-President, 2007-2009]. College of Science Diversity Committee [Member (2016-2018) and Chair (2017-2018)]. Lead Judge, LSU Undergraduate Research Conference (2014).
8. LSU Department Service: Member, Internal Review Committee, 2002. Member, Executive Committee, 2002-2004, 2008-2010, and 2017-2020. Member, Graduate Committee, 2004-2006. Member, Senior Math Award Committee, 2008-2010. Member, Mentoring Committee (2009-2010) and Promotion and Tenure Committee (2010) for Hongyu He. Member, Porcelli Lecture and Scholarship Committee, 2012–.
9. Department Committees at TAMU-CC: Chair of Course Committee on Calculus III, Advanced Calculus,

Differential Equations, Numerical Analysis, and Real Analysis; and of Course Committee on Foundations of Higher Mathematics; and Member of Course Committee on Calculus I-II and Department of Computing and Mathematical Sciences Assessment Committee, Fall 2000-Spring 2001.

IX Advising and teaching

1. Undergraduate Courses Taught: Calculus II (Rutgers-New Brunswick); Precalculus, Calculus I, Linear Algebra (TAMU-CC); Advanced Calculus I, Advanced Calculus of Several Variables, Analytic Geometry and Calculus I-II, Multidimensional Calculus, Elementary Differential Equations, Elementary Differential Equations and Linear Algebra, and Mathematical Methods in Engineering (LSU).
2. Graduate Courses Taught: Introduction to Mathematical Control Theory, Mathematical Control Theory, Mathematical Topics in Systems Theory, and Ordinary Differential Equations (LSU).
3. General Exam Committees at LSU: Richard Barnard (2007), Jacob Blanton (2009), Bidur Bohara (2013), Qingxia Li (2007), Piotr Maciak (2007), Hongye Wang (2007), and Stanislav Zabic (2002).
4. Five Most Recently Graduated PhD Students: Robert Sizemore (as committee chair) in LSU Department of Mathematics, 2018 [Dissertation: Curve Tracking Control under State Constraints and Uncertainties]. Jerome Weston (as committee chair) in LSU Department of Mathematics, 2018 [Dissertation: Backstepping and Sequential Predictors for Control Systems. Placement: Post-doc position at University of Dubrovnik in ConDyS (Control of Dynamical Systems) Project]. Bidur Bohara (as committee member) in LSU Division of Computer Science and Engineering, 2015 [Dissertation: Visualization of Time-Varying Data from Atomistic Simulations and Computational Fluid Dynamics. Currently member of FEI Visualization Sciences Group, Houston, TX]. Xiaoyu Cai (as committee co-chair) in LSU Department of Mechanical and Industrial Engineering, 2013 [Dissertation: Graph Rigidity-Based Formation Control of Planar Multi-Agent Systems. Placement: R&D Electrical Control Engineer, Baker Hughes, Houston, TX]. Aleksandra Gruszka (as committee chair) in LSU Department of Mathematics, 2012 [Dissertation: Some Tracking Problems for Aerospace Models with Input Constraints. Currently in Secondary School Education, Europe].
5. Other PhD Advisory Committees at LSU: Norma Ortiz (2005), Hongye Wang (2008), and Stanislav Zabic (2005). Recent PhD Committees Outside LSU: Member of PhD Juries for Mounir Bekaik (2012) and Thach Dinh (2014), Laboratoire des Signaux et Systèmes, France. Advisory Committee (with lead advisor Fumin Zhang) for Shayok Mukhopadhyay (2014) in Georgia Tech School of Electrical and Computer Engineering.
6. Current PhD Student Advisees: Indra Narayana Sandilya Bhogaraju (in LSU Division of Electrical and Computer Engineering). Paul Varnell and Ningshi Yao (PhD co-advisees with Fumin Zhang) in Georgia Tech School of Electrical and Computer Engineering.
7. My PhD Students' Awards: 2018 SIAM Student Chapter Certificate of Recognition (Weston), Student Best Paper Finalist and Best Presentation Award at 2011 American Control Conference (Gruszka), One of 12 US Students Selected to Present Talk in Association for Women in Mathematics Sessions at 2012 Joint Mathematics Meetings (Gruszka), Outstanding Research Assistant for 2012-13 in LSU Department of Mechanical and Industrial Engineering (Cai), Bridge to the Doctorate Initiative Fellowship (Weston), Third Place Award in 2015 IEEE CSS Video Clip Contest (Varnell).
8. Undergraduate Research Students at LSU: Aaron Faulkner and Marsien Ngoufack (both supported by NSF Research Experiences for Undergraduates Supplement to project "Theory, Methods, and Applications of Nonlinear Control Systems with Time Delays" during 2014-15). Daniel Schmidt (supported by LSU Center for Computation and Technology Research Experience for Undergraduates Program for Summer 2017, co-advised by Mayank Tyagi).

X Selected media coverage and reviews

1. Review of *Constructions of Strict Lyapunov Functions* by Zvi Artstein in *SIAM Review*, Vol. 53, No. 1, 2011, pp. 178-179.
2. "Project Explores Emergency Robot Uses and Controls," Associated Press News Story in Houston Chronicle, Marietta Daily Journal, San Antonio Express-News, and Many Other Newspapers, January 2012.
3. "Project Explores Uses for Robots," Sunday Baton Rouge Advocate, Section B, Page 1, January 15, 2012.
4. Segment on Marine Robotic Methods for Oil Spill Study, WBRZ Channel 2 10PM News, January 2012.
5. "Robots Unleashed: LSU Professor Develops Marine Robotic Methods for Oil Spill Study," *The Pursuit*, LSU College of Science, April 2012.
6. "Send In The Bots," PEG, Association of Professional Engineers and Geoscientists of Alberta, April 2012.

7. "LSU College of Science Appoints Michael Malisoff to Roy Paul Daniels Professorship," LSU Media Center News, Posted Online February 28, 2013.
8. "Marine Robots Track Pollutants," NSF SEE Innovation Report at research.gov, 2013.
9. "LSU Today Flagship Faculty: Michael Malisoff," LSU Office of Communications and University Relations, Posted Online August 2, 2013.
10. "LSU Names Rainmakers," LSU Research News, Posted Online April 9, 2014.