

Information about Prof. Michael Malisoff

- Michael Malisoff is the [Roy Paul Daniels Professor #3](#) in the LSU Department of Mathematics. His [research](#) field is systems and controls, which is an interdisciplinary area at the interface of applied mathematics and engineering. Over the past 15 years, he has been awarded [7 research grants](#) from the US National Science Foundation (or NSF) as Principal Investigator totaling \$1,379,985.
- One of his recent projects used marine robots to track pollution from the Deepwater Horizon oil spill. Marine robots are useful because of the hazards and high costs associated with conventional human-based marine surveys. There were many news reports about his [marine robotics project](#), including an NSF highlight at [research.gov](#) and an AP article that appeared in many US newspapers.
- He has several ongoing research collaborations with faculty and undergraduate and PhD students, from engineering and mathematics. He has had 16 students supported by his projects, including 8 undergraduates who did marine robotic field work at Grand Isle, LA, and 2 students supported from funds he was awarded from the NSF Research Experiences for Undergraduates program.
- Since 2014, he has served as lead Principal Investigator on 3 [collaborative research projects](#) from the NSF Directorate for Engineering. One involved resolving contentions on communication networks, and another involves control problems for systems with delays. They were collaborative awards with Georgia Tech and University of California at San Diego and their combined budgets total \$1,341,000.
- His university-wide awards and honors at LSU have included the Flagship Faculty Honor, and the [2013 LSU Rainmaker Mid-Career Scholar Award in the Area of STEM](#). He has served as an associate editor for *IEEE Transactions on Automatic Control* and for *SIAM Journal on Control and Optimization*, which are two of the nation's leading journals on control theory and its applications in engineering.