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Joaquim R. R. A. Martins is an Associate Professor at the University of Michigan, where he heads the Multidisciplinary Design Optimization Laboratory (MDOLab) in the Department of Aerospace Engineering.

His research involves the development and application of MDO methodologies to the design of aircraft configurations, with a focus on high-fidelity simulations that take advantage of high-performance parallel computing. Before joining the University of Michigan faculty in September 2009, he was an Associate Professor at the University of Toronto Institute for Aerospace Studies, where from 2002 he held a Tier II Canada Research Chair in Multidisciplinary Optimization. Prof. Martins received his undergraduate degree in Aeronautical Engineering from Imperial College, London, with a British Aerospace Award. He obtained both his M.Sc. and Ph.D. degrees from Stanford University, where he was awarded the Ballhaus prize for best thesis in the Department of Aeronautics and Astronautics. He was a keynote speaker at the International Forum on Aeroelasticity and Structural Dynamics (2007), Aircraft Structural Design Conference (2010), and SIAM Conference on Optimization (2014). He has received the Best Paper Award in the AIAA Multidisciplinary Analysis and Optimization Conference three times (2002, 2006, and 2012). He is a member of the AIAA MDO Technical Committee and was the technical co-chair for the 2008 AIAA Multidisciplinary Analysis and Optimization Conference. He is also an Associate Editor for Optimization and Engineering, AIAA Journal, and Structural and Multidisciplinary Optimization. For more information, please visit: <http://mdolab.engin.umich.edu>