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**Juan J. Alonso** is a Professor of Aeronautics and Astronautics at Stanford University. Prof. Alonso is the founder and director of the Aerospace Design Laboratory (ADL) where he specializes in the development of high-fidelity computational analysis and design methodologies to enable the creation of realizable and efficient aerospace systems. He is the author of over 200 technical publications on the topics of computational aircraft and spacecraft design, multi-disciplinary optimization, fundamental numerical methods, UASs, and high-performance parallel computing. During the period spanning 2006-09, Prof. Alonso was the Director of the NASA Fundamental Aeronautics Program in Washington, DC. In that position he was responsible for the entire portfolio of aerospace vehicle and vehicle technology research for the agency in the subsonic rotary wing, subsonic fixed wing, supersonic, and hypersonic regimes, with particular emphasis on the energy and fuel efficiency of the aviation enterprise and its environmental impact. He is the recipient of several AIAA Best Paper Awards, the NASA Exceptional Public Service Medal, the NASA ARMD Associate Administrator Award, and the AIAA Stanford Chapter Professor of the Year award (8 times). Prof. Alonso has served in the NASA Advisory Council, the Secretary of Transportation's Future of Aviation Advisory Committee, the FAA Administrator's Management Advisory Council, and as an Independent Expert in the ICAO/CAEP fuel burn, noise, and emissions technology goals evaluation. He currently serves in the FAA Drone Advisory Council and as General Chair of the AVIATION 2018 conference. Prof. Alonso and the ADL are responsible for the development of the open-source SU2 analysis and design environment, intended for use by the worldwide community to advance the state-of-the-art in numerical optimization of fluid flows. Prof. Alonso earned his Ph.D. in Mechanical and Aerospace Engineering at Princeton University and his B.S. degree at the Massachusetts Institute of Technology.