

PROFESSIONAL PROFILE



Dr. Eduardo Divo

Dr. Divo completed undergraduate Degrees in Mechanical Engineering and Information Engineering from the Central Technological University of Venezuela in 1992 as the top of his class honored as the Valedictorian. He completed multiple graduate Certificates and Degrees in Statistical Control from ITESM as well as a Master of Science and a Ph.D. in Mechanical Engineering with emphasis in Numerical Modeling of Thermo-Fluid Field Problems from the University of Central Florida (UCF) in 1998, achieving a perfect academic grade-point-average (4.0/4.0) throughout his graduate studies. He immediately pursued a career as a Professor, a Researcher, and an Engineering Consultant for many companies in Central Florida leading to accolades such as being named the 2009 E-Week Central Florida Engineer of the Year as the Technical Excellence Award recipient, the 2009 UCF College of Engineering and Computer Science Distinguished Researcher Award, and the 2009 Research Incentive Award by the State of Florida University System. He has also been conferred multiple Teaching awards at the College, University, and State levels, leading to his Tenure at UCF in 2009. As a professor, Dr. Divo has taught over 25 undergraduate as well as 4 graduate engineering courses and has supervised 7 M.S. Theses and 2 Ph.D. Dissertations as well as over 30 Senior Design Projects and Honors in the Major Theses. He is also the coordinator of the Freshman Engineering Program at UCF with over 1000 students in a two-semester sequence of classes, labs, invited speeches, and design competitions. He is the Faculty Advisor for the Society of Hispanic Professional Engineers (SHPE), one of the largest and most successful professional Societies on-campus, catapulting UCF current ranking as one of the top 10 best Engineering Schools for Hispanics for five straight years. As a researcher, Dr. Divo has been actively involved in the development of Mesh-Reduction techniques such as Meshless Methods and the Boundary Element Method aiming at generating automated numerical solutions of field problems in the areas of Fluid Dynamics, Heat and Mass Transfer, Porosity, and Elasticity, as well as the multi-physics interaction of these phenomena in a number of ensuing applications in the fields of Bioengineering, Energy, Turbomachinery, and others. His research work has led to the publication of over 120 articles in International Journals and Conference Proceedings as well as a number of books and book chapters and has attracted over \$2.5 million in funding for UCF since 2003 from agencies and companies such as Siemens Energy, Florida Turbine Initiative, Florida Space Research Initiative, NASA-SATOP, MD Anderson Cancer Center, .Decimal, Sciperio, nScript, General Dynamics, Lockheed Martin, and many others. He is a Fellow of the Wessex Institute of Great Britain and a Member of the Editorial Board of the Journal of Engineering Analysis (Elsevier). As a consultant, Dr. Divo has provided engineering solutions to the private industry as the Vice-President for Research at Computational Engineering Technologies since 1997 and more recently consolidated a consortium of companies acting as the President and CEO for Central Technological Corporation (Centecorp) providing engineering and technology training, research, development, consulting, and publishing solutions through its more than twenty five members and affiliates.