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He is a specialist in Aircraft Structures, multi-disciplinary (Aircraft structures, Stress Analysis, Aero -elasticity, Structural dynamics, Loads, Weights and Optimization), and Automatic Control and Simulation.

He participated in the development of various new aircraft and aerospace projects at Boeing (Seattle USA), Bombardier Aerospace (Toronto, Canada), Fairchild Dornier (Munich, Germany), the Institute of Aerospace Technical Center (Sao Paulo, Brazil) and the Institute for Aerospace Studies of the University of Toronto.