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SHORT BIO:

VLADIMIR JESUS TRAVA AIROLDI, Ph.D

Founder and entrepreneur of CVDVale (<https://cvdvale.com.br>), he has a degree in Physics from the Physics Institute of the University of São Paulo (1978), a master's degree in Physics from the Technological Institute of Aeronautics (1981), a PhD in Physics from the Technological Institute of Aeronautics (1986) and post-doctorate at the Jet Propulsion Laboratory - NASA /USA and California Institute of Technology - CALTECH/USA (1989-1990). He is currently a senior researcher at the National Institute for Space Research – INPE (<http://www.las.inpe.br>), professor and advisor on the Postgraduate course in Space Engineering and Technology at INPE and advisor on the Postgraduate course in Engineering and Materials Sciences, Coordinator of Research projects, Development and Innovation (R&D&I) at INPE and coordinator of innovation projects in Science and Technology in Small Businesses. It focuses on research and development in the area of Materials and Metallurgical Engineering, with an emphasis on CVD and DLC diamonds, thin films, plasma discharges, gas expansion, molecular physics, vacuum and cryogenic technology, nanostructures, monocrystalline structures and monocrystalline. Works mainly on the following topics: growth studies and characterization of thin and thick films, especially diamond-CVD and nano-structured DLC, polycrystalline and monocrystalline, studies of surface changes and adaptation of interfaces for adhesion studies between diamond films -CVD and DLC with metallic and non-metallic substrates, ordering solutions for these films, Diamond-CVD with monocrystalline, studies in tribology and development and implementation of space and industrial applications. He participates in the improvement of entrepreneurship processes in innovation, with data search, demand information and specific research. He participates in technology transfer activities and industrial scaling studies. Founding partner of an Innovation company in the area of Diamond-CVD and its Related Materials.

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