

BIOGRAPHY

Dr. Carlos O. Maidana



Dr. Maidana is a physicist and research engineer with 13+ years of experience in research, design and development as well as in education, consulting and project management with a vast experience in international and cross disciplinary projects. He has over 20 years of experience in Informatics Technology. He holds a Ph.D. in Engineering and Applied Science from Idaho State University (USA), a M.Sc. in Physics from Michigan State University (USA) and a B.Sc. in Physics and Applied Physics from the UTN-INSPT (Argentina).

He holds a post-doctoral certificate in Space Nuclear Systems Engineering from Washington State University (USA) and the Idaho National Laboratory (USA) as well as several other graduate level certificates (USA, Italy & Argentina), including studies in research commercialization and government contracting. He was born in Buenos Aires, Argentina and resided in countries such as the United States, Switzerland, France and Thailand.

Dr. Maidana was a research designer in projects for the U.S. Department of Energy (DoE), the National Aeronautics and Space Administration (NASA), the U.S. Department Homeland Security (DHS), the U.S. Department of Defense, the International Committee for Future Accelerators (ICFA), for the U.S. Advanced Fuel Cycle Initiative (AFCI), for the Measurements and Control Engineering Research Center (MCERC) and a senior research fellow at the European Organization for Nuclear Research (CERN). He has 20+ papers and technical articles published internationally. Dr. Maidana is currently a Lecturer of Mechanical Engineering at Chiang Mai University (Thailand), an Affiliate Research Assistant Professor at Idaho State University and the founder of a technical consulting and scientific research start-up. Dr. Maidana current work and interest relies on the design, modeling, simulation and optimization of physical processes and engineering components; on research, development, application and commercialization of space, nuclear, industrial and biomedical technologies; on basic and applied physics as well as in international cooperation, project management, business development, government relations and university level education.

His outreach and community service activities include the development of science, technology and international cooperation at universities in developing countries; advice, counseling and public speaking related to Science/Technology/Engineering/Mathematics education, career opportunities and curriculum development; He works to educate the public, the media and government of the benefits of exploring the red planet and outer space advising in questions related to space science and technology with emphasis in space nuclear systems, advanced propulsion systems and mission planning. Dr. Maidana is a referee for international scientific journals and government organizations as well as for funding bodies besides being a contributor, author and consultant for the scientific-technical media.

Dr. Maidana is a senior member of the American Institute of Aeronautics and Astronautics (AIAA), serving at the Future & Nuclear Flight Propulsion Technical Committee, and as a scientific officer for the Mars Society Switzerland. He is also a member of the Institute of Electrical and Electronics Engineers (IEEE) -Nuclear and Plasma Sciences Society -, the American Physical Society (APS) –Forum of Industrial and Applied Physics- and the Project Management Institute (PMI). He is a registered expert before the European Commission and a CERN external user as well.

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