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Historical Note on Prof. Dr. Ugur Guven

Prof. Dr. Ugur Guven*

Professor of Aerospace Engineering, Aerospace Department

***Corresponding author**: Prof. Dr. Ugur Guven, Professor of Aerospace Engineering, Aerospace Department, Email: drguven@live.com

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Biography

Prof. Dr. Ugur Guven is an Aerospace Engineer (PhD, BSc) and a Nuclear Engineer **(**MSc**)**. He is of now currently working as the Senior Professor of Aerospace Engineering and conducting research related to Interstellar Travel and Utilization of Nuclear Energy for Space Missions and Space Habitats. On the international front, he is serving as the Advisory Council Member to United Nations Center for Space Science and Space Technology Education in Asia-Pacific Region (UN CSSTEAP) and he is also the Member of the Academic Council on United Nations Systems and Member of the European Association for International Education (EAIE)**.** Dr. Guven is the Honorary Executive Coordinator of the Indo-French Academic Alliance, and he is currently busy forming the Indo-French Aerospace Consortium. Furthermore, Dr. Guven helps provide space and STEM education assistance as Executive Advisor to Phoenix Space in the UK and he is also the CEO of Prometheus Space Ltd. in London, which bridges the academia and the industry in the space sector. Furthermore, Dr. Ugur Guven is an expert in the field of lunar settlement and he is actively involved with NASA LEAG meetings and workshops.

Dr. Ugur Guven has 25+years of work experience and over 250+academic publications comprising of journal papers, conference proceedings, project reports, and books. Under his supervision 12 PhD students have completed their doctorate, while over 100+ graduate (master's level) and 1000+ undergraduate students have completed their thesis and projects.

Dr. Ugur Guven has published many papers in the field of Interstellar Space Exploration and Space Propulsion including Mission to Alpha Centauri, Mission to Lalande 21185, Mission to Wolf 359, Mission to Epsilon Eridani, Mission to Barnard's Star, Mission to Tau Ceti, Nuclear Propulsion Techniques for Spacecraft, Advanced Power Generation in Space, Utilization of Nuclear Energy on the Moon, Helium 3 Mining on the Moon for Fusion Technologies, as well as on a Mission to Mars, Mission to Jupiter, Mission to Pluto, Mission to Oort Cloud, Mission to Heliopause, Mission to Kuiper Belt, etc. using Nuclear Propulsion Techniques. His main area of expertise is the analysis of interstellar flight possibilities using Gaseous Core Nuclear Propulsion Methods. Furthermore, lunar settlement and nuclear energy utilization in lunar missions is also an area of interest. In Computational Fluid Dynamics, Dr. Guven works on Multidisciplinary Methods for the analysis of propulsion systems.

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He has also published over 100+Journal Papers, 250+Conference papers and 50+opinion articles on the future of space technology and nuclear technology. Dr. Ugur Guven has published 15 books as author and co-author or as an editor including "Nuclear Propulsion Techniques for Spacecraft**"**ISBN: 978-3-8473-2269-6, and **"**Solid Rocket Propulsion for Space Exploration**"** ISBN: 978-3-659-30636-5 as well as other books related to Mitigation of Space Debris as well as on Space Tourism, Interstellar Flight and on **I**ntroduction to Nanosatellites. His books can be seen in https://drguven.com/books/ .

Prof. Dr. Ugur GUVEN has guided numerous Master's students as well as various Ph.D. students on their thesis which comprises of both simulation and experimental work. Under Dr. Guven's supervision 200+ Bachelor Level Thesis Projects, 50+ Master's Level Thesis and 10+ PhD Thesis have been prepared. One of his students has currently submitted a thesis on the Trajectory Analysis of a Spacecraft on a Polar Orbit Around a Kerr Blackhole. Dr. Guven has also supervised many student teams for various competitions.

Dr. Guven also serves on the editorial panel of various international journals as well as reviewer to many Scopus Journals and academic publications.