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Roger is a British Chartered Engineer with extensive experience in the Space and Defence industries, and is the inventor of the EmDrive propulsion technology.

Early work included R&D work on advanced electrical machines and small gas turbines with the Lucas group. This was followed by a senior role in Sperry Gyroscope, now BAE, where the original EmDrive concept was investigated, as a solution for strategic missile control. In 1981 Roger moved to Marconi Space and Defence Systems, now Airbus, and became Head of the Payload Engineering Department. Project management appointments followed, including Payload Manager for Skynet 4 and NATO 1V satellites, and for four Eutelsat TV Satellites. Another major programme was the Galileo navigation payload, for which Roger was Technical Manager.

In 2001 Roger left to set up Satellite Propulsion Research Ltd, and carried out initial EmDrive Research with 5 years of UK government funding. Further industry funding enabled development of advanced thrusters, including a C-Band Flight Thruster, which was transferred to the US under a Technology Assistance Agreement, set up by the State Department. EmDrive development work and consultancy has continued under both government and industry contracts.