



Keep-in-Touch VIP meeting (May 11, 2022)

Plasma: Barriers for Space Exploration and Gifts for Human from the Universe

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Plasma, which is an ionised gas, is the most common state of matters in the universe. On the space exploration missions such as planetary entry, plasma brings us technical challenges by causing harsh environment and interrupting communications, known as 'radio blackout'. However, the special type of plasmas, which is known as 'non-thermal plasma', brings us the innovative solution for urgent global problems on public health and environment. Dr Minkwan Kim (University of Southampton) will show you novel aerospace technologies to overcome the challenges of planetary entry caused by plasmas, and explore the next generation of medicine and environment remediation technologies using plasmas.