



THE UNIVERSITY *of* EDINBURGH

School of Engineering

IMP Seminar Industrial Series

30th September 2022

13:00 – 14:00

Classroom 3, Sanderson Building

Introducing MolecularGRIP™ Technology:
Sustainable surface functionalisation technology
for adhesive bonding – **Mr Marc Jacobs**



Abstract

Molecular Plasma Group (MPG) brings a revolutionary new surface functionalization technology to market that enables solvent-free grafting of a nanometric layer of organic chemistry to any material. The solution is totally unique and in many applications totally eliminates the need for toxic-solvent based solutions. Typical applications range from functionalizing inert surfaces such as polyolefins or fluorinated polymers to enable adhesive bonding in all kinds of composite structures in aerospace, automotive, microelectronics, medical devices and construction. The roots of MPG are a combination of a spin-off from the Luxembourg Institute of Technology (LIST) and from the Flemish Institute of Technology Development (VITO). MPG's MolecularGRIP™ technology was recently awarded the 'Solar Impulse Efficient Solution' label by the Solar Impulse Foundation (SIF). SIF was founded by Bertrand Piccard who flew around the world in a solar powered airplane. Marc will present the technology and also provide some insights in the highs and lows of the life of an entrepreneur who is bringing a new technology to market.

Bio

Marc Jacobs holds a Master's degree in Engineering from KU Leuven (Belgium) and a Sloan MSc in Leadership & Strategy from London Business School. He is a serial entrepreneur and his latest venture is Molecular Plasma Group (MPG) of which he is co-founder and Executive Chairman. Previously, he was co-founder of LuxPET, a company specialized in injection molding of PET packaging and recycling. After the sale of LuxPET to Plastipak Packaging Inc, he held several senior executive positions with them before venturing out on his own again. Marc is also the co-author of 'Negotiate like a local, 7 mindsets to increase your success rate in international business', a book about how to better manage the differences in national culture in international business.

