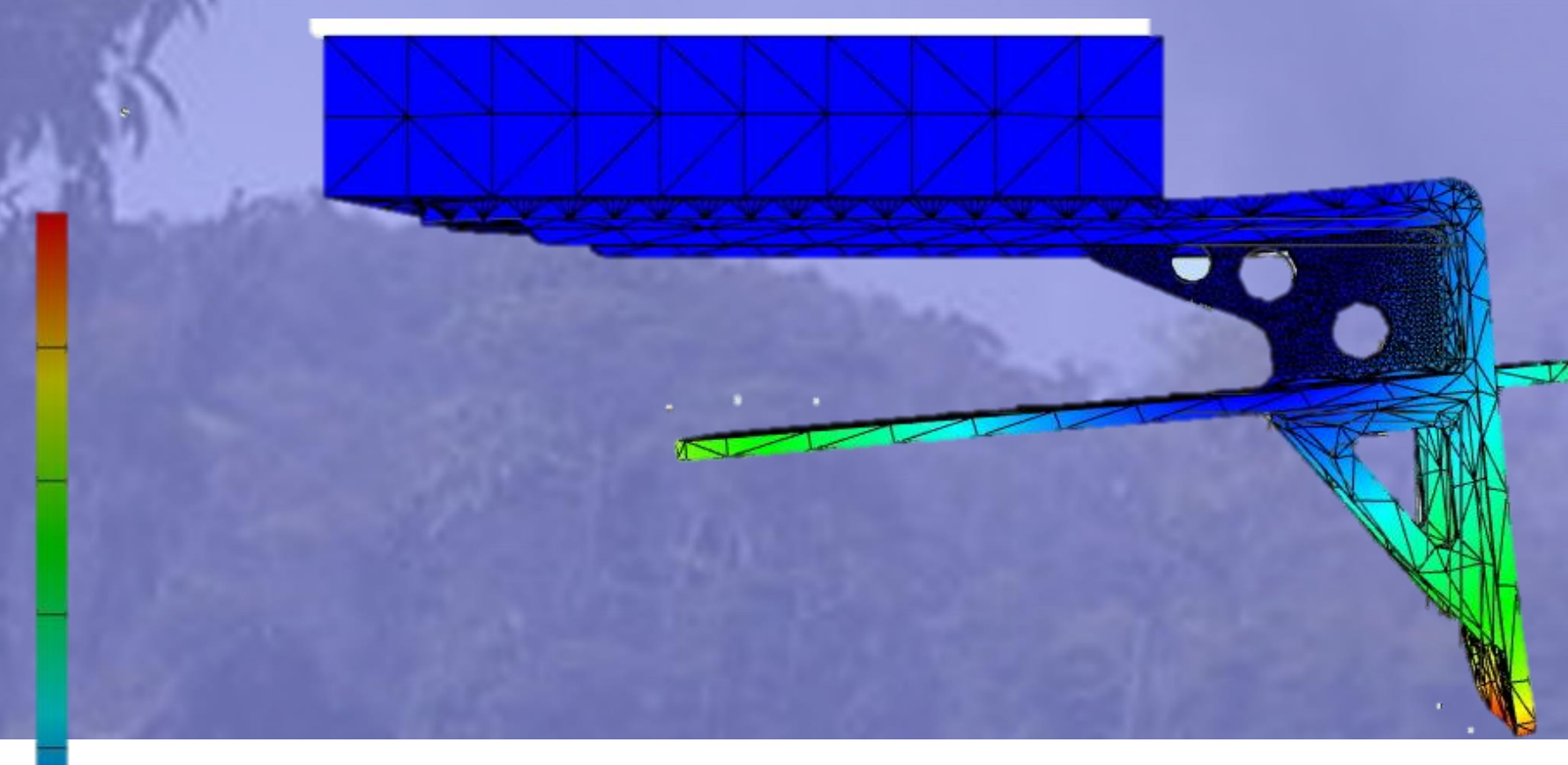
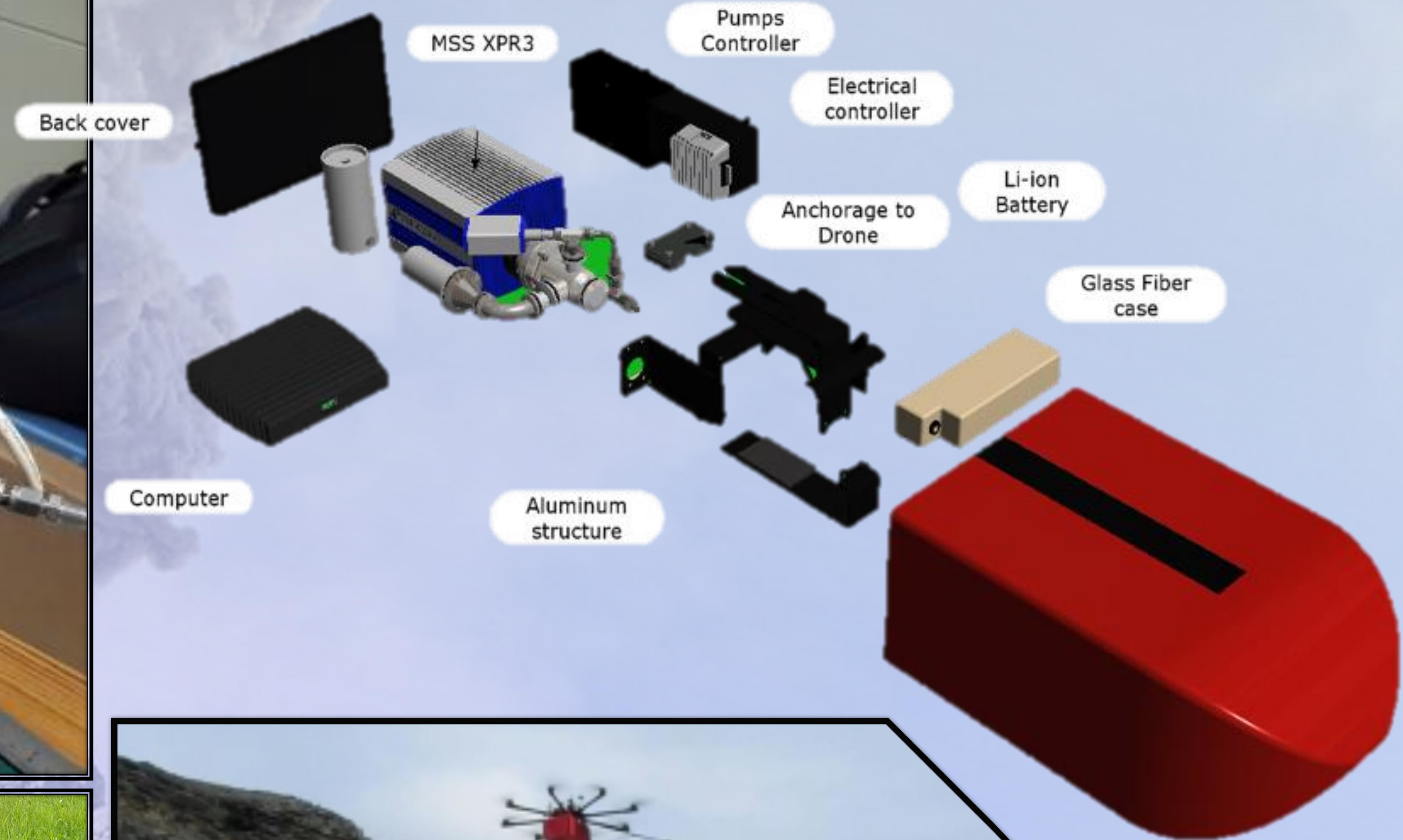


# Design considerations and construction of a Drone based miniature Mass Spectrometer System (Drone-MS) for Volcanic Plume Measurements

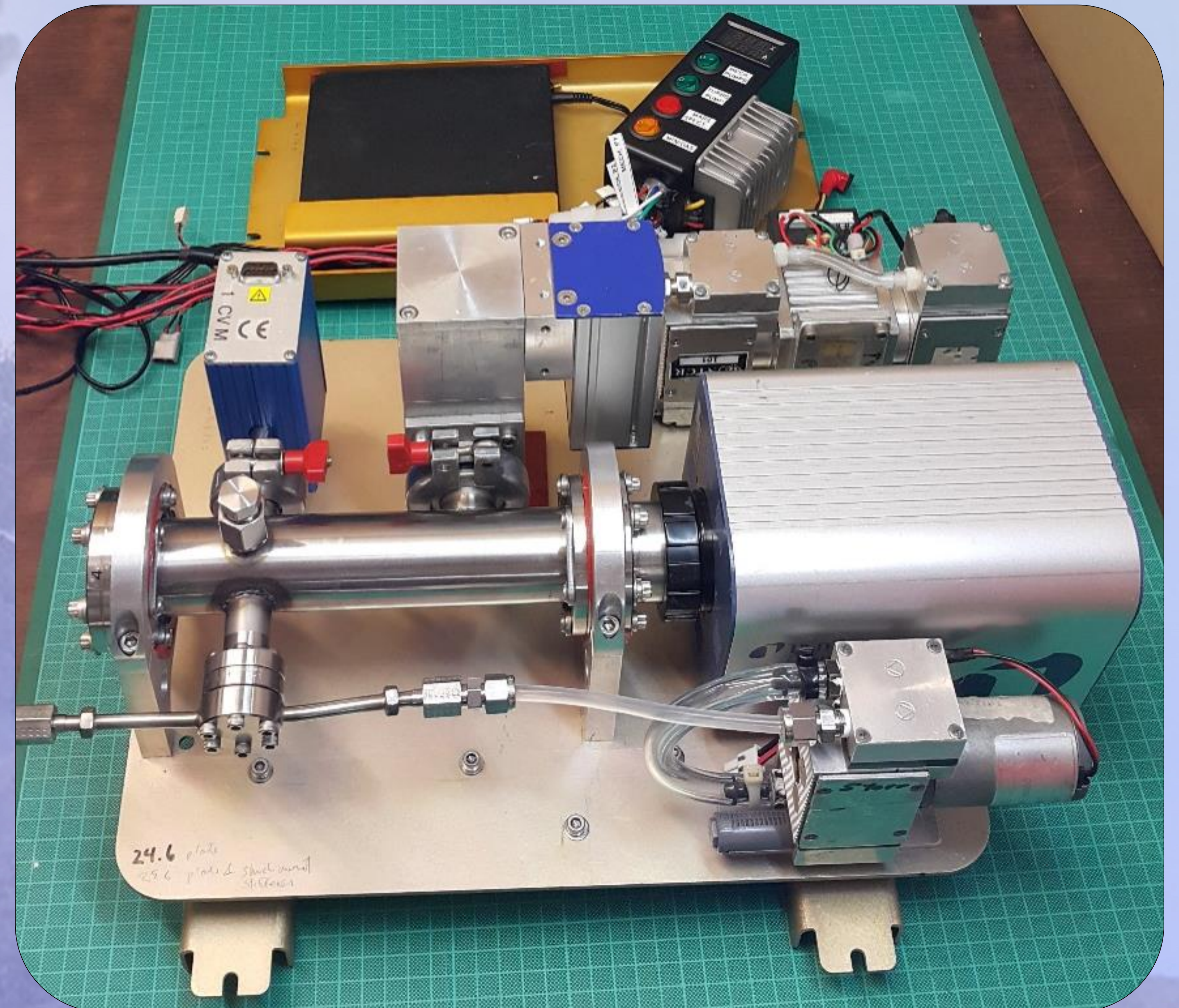
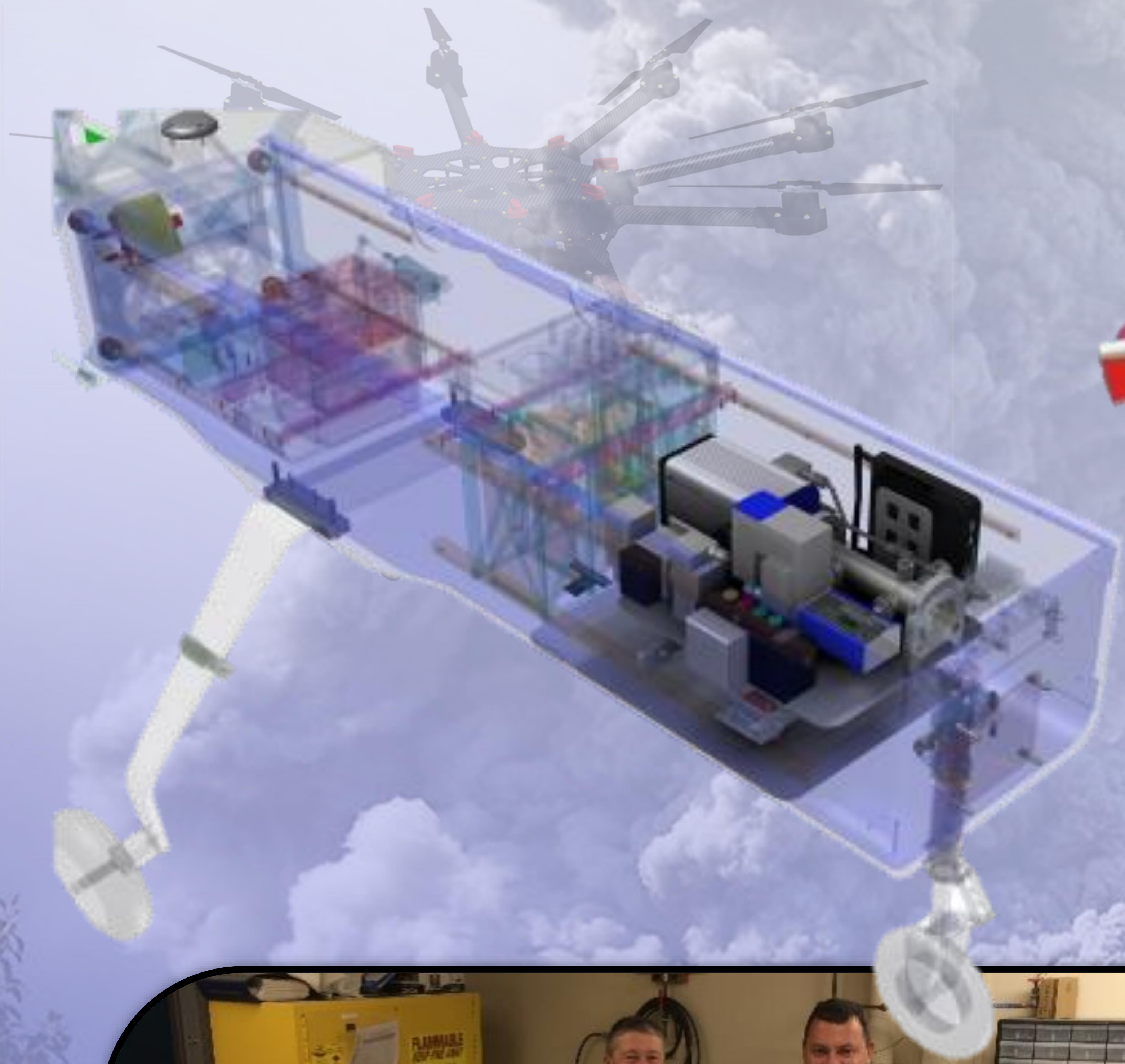
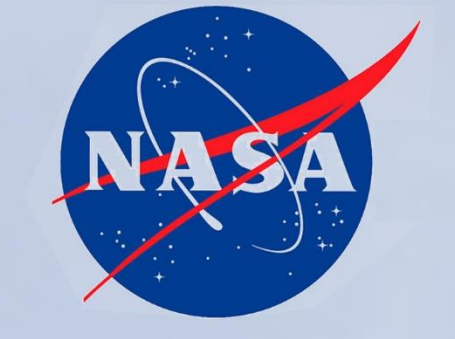
Ernesto Corrales<sup>1</sup>, Jorge Andres Diaz<sup>1</sup>, Kenneth Wright<sup>2</sup>, Robert Kline-Shoder<sup>3</sup>, David Pieri<sup>4</sup>



# Design considerations and construction of a Drone based miniature Mass Spectrometer System (Drone-MS) for Volcanic Plume Measurements



UNIVERSIDAD DE COSTA RICA



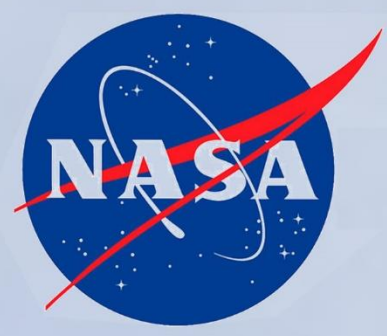
GasLAB Channel



# Design considerations and construction of a Drone based miniature Mass Spectrometer System (Drone-MS) for Volcanic Plume Measurements



UNIVERSIDAD DE COSTA RICA



## Thank you very much!

## ¡Pura Vida!

***Acknowledgements:** HEMS Workshop for the Student Travel Award 2017, Vicerectoría de Investigación UCR for the CARTA-UAV Project support, CICANUM for its general support and Victor Rodriguez from the Physics School Manufacturing Workshop*

