

*A national network to bring UK expertise together to enable hypersonic flight science and experiments*

## **This network will:**

- Focus multidisciplinary UK expertise
- Develop proof-of-concept studies
- Work towards hypersonic flight test experiments

## **Why it matters:**

Numerical models need experimental flight data to validate predictive tools; flight tests complement ground facilities and simulations; ultimate test of new technologies in real environment

## **Vision & Objectives**

- Build a UK interdisciplinary forum (aerodynamics, thermochemistry, materials, GNC, propulsion).
- Establish Specialist Interest Groups (SIGs) to tackle low-TRL scientific challenges.
- Develop proposals for UK hypersonic flight experiments (sounding-rocket scale).
- Run ground research to set flight requirements and develop payloads.
- Build an Early Career network and provide public engagement and advocacy.

## **Opportunities**

- Bi-annual network forum
- Quarterly SIG meetings (virtual & in-person)
- Early-career events and training
- Public engagement, seminars and outreach

## **How to get involved**

Attend the kick-off meeting at the Royal Aeronautical Society (RAeS) on 28<sup>th</sup> January at No. 4 Hamilton Place, London W1J 7BQ.



To join or find out more:

Email: [hypersonics-network-uk@eng.ox.ac.uk](mailto:hypersonics-network-uk@eng.ox.ac.uk)

Sign-up link: <https://app.onlinesurveys.jisc.ac.uk/s/oxford/hypersonics-network>