

Low Speed Wind Tunnel Testing

Shockwave/Boundary-Layer Interactions

Corrections

MSBS Workshop

Hypersonics

PIV

Commercial Wind Tunnel Testing

Richard Green, Glasgow

Holger Babinski, Cambridge

Simon Prince, Doug Greenwell, Andrew Rae

Jonathan Morrison, Imperial

Matt McGilvray, Oxford

Renan Soares, Southampton

Craig Eckersley, BAE

Impact:

- Sharing knowledge
- Networking – industry and academia
- Sparking new ideas and project developments

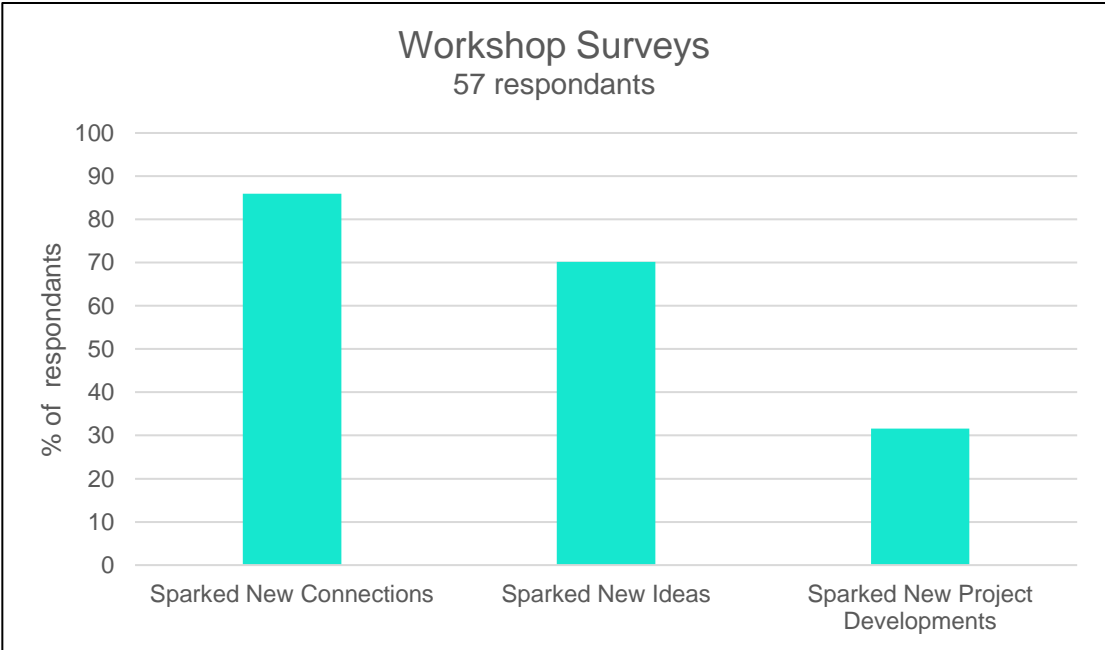


145 attendees from 43 institutions.

31% industry, 44% NWTF universities and 25% from Non-NWTF universities.

Feedback Surveys:

83% rated these workshops as excellent. Remainder as very good.



Attendees from non-NWTF universities

- Coventry University
- Durham University
- University of West of England
- University of Nottingham
- Queen Mary, London
- University of Salford
- University of Portsmouth
- Farnborough CoT
- Queens University, Belfast
- University of Nottingham
- University of Sheffield

Attendees from UK industry:

- BAE
- Reaction Engines
- MBDA
- ARA
- JLR
- Rolls-Royce
- DSTL
- QinetiQ
- Airbus
- Jacobs
- GKN



Excellent teaching, discussion and settings

The chance to set up and acquire data in a real case from scratch.

well organised, helpful and welcoming

Experiments, the enthusiastic team, the friendliness of the team

The workshop was very informative and interactive, which made the learning experience very digestible and fun.

Very useful environment with experts on hand to have discussion

It was a great opportunity to learn new concepts.

Hands-on experience with testing and data analysis

Hands on experience, small group setting, well-paced course design

Getting hands on experience with the experiments and the brilliant hosts.

I liked the ability to compare/contrast techniques, as well as the knowledge base of the group delivering the workshop around best practice.

Course had something for each of the varied participants and was structured and delivered very well.

Networking and discussing wind tunnel related issues with colleagues around other industries helps to get a better refined answer.

The whole course was well-organized and the instructor was amazing

Hands on aspect was great! Running the facilities brings the real world issues to light.

this was my first NWTF event and looking forward for more. Thank you for organizing!

2025 Workshops



Photosonics Workshop	11 th June	Cranfield University
Propeller Forum for ECRs	9 th – 10 th June	Mahdi Azarpeyvand, Bristol
Icing Workshop	August	Paul White, Airbus
Corrections Workshop part 2	August	Simon Prince, Andrew Rae
Automated Experimentation	10 th September	Dave Birch, Surrey
Optical Measurements Training Workshop	September	Mark Quinn, Manchester
Low Speed Wind Tunnel Testing	September	Richard Green, Glasgow
Shockwave / Boundary Layer Interactions	October	Holger Babinsky, Cambridge
Laminar Turbulent Transition Workshop	TBD	Mike Gaster & Chetan Jagadeesh
Direct Load Measurements	TBD	Kevin Gouder, Imperial
TBD - newly developed diagnostic method	TBC	Bharath Ganapathisubramani, Southampton
Hot Wires	TBC	Kevin Gouder, Imperial
Acoustics Training Workshop	TBC	Mahdi Azarpeyvand, Bristol

What workshops would you like to attend next:



Computational tunnel set ups?

More in-depth discussions on measurement techniques and principles

Experiments on flow control and workshops focused on flow separation and transition to turbulence

Measurement techniques, how to pick the correct technique/device specification for the flow regime and the data required.

Flow control

PSP workshop

Industrial Wind Tunnel testing, Measurement techniques

Industrial scale & further research facilities

Aeroacoustics course with WT testing and demonstrations (Bristol or Southampton could lead), supersonic WT testing, low speed WT testing

Novel/new experimental methods training. Non-standard applications of measurement techniques.

Calibration techniques would be very interesting!

Heat transfer workshop would be great!

Thank you!



Would you like to host a training workshop?

NWTF can help with funding, marketing and administration.

Get in contact at events@nwtf.ac.uk or talk to me during the break!