



## Fusion Business Group Meeting

### Fusion: Challenges & Solutions

Thursday 19 October 2023

UKAEA, Culham Science Centre, Abingdon OX14 3DB

### PYOW Dinner

**Date:** Wednesday 18 October

**Time:** Arrival from 18:30 for drinks sponsored by Frazer Nash Consultancy, sit down at 19:30

**Venue:** [The Crown & Thistle, Abingdon, Oxfordshire, OX14 3HS](#)

**Cost:** £49 + VAT (3-course meal, 1/2 bottle of wine or 3 beers, and service)

*Details on when and how to pay to follow.*

ACTIVITY	TIME
<b>Registration &amp; refreshments</b>	<b>08:45 – 09:30</b>
<b>Welcome</b> Steve Lawler, Vice Chair of the NIA Fusion Group <i>Frazer Nash Consultancy</i>	<b>09:30 – 09:40</b>
<b>Introduction from our host</b> Heather Lewtas, Head of Innovation <i>UK Atomic Energy Authority</i>	<b>09:40 – 09:50</b>
<b>Setting the Scene: Fusion Challenges</b>	
<b>Fusion challenges – An academic perspective</b> Roddy Vann, Professor <i>University of York</i>	<b>09:50 – 10:05</b>
<b>Fusion challenges – A global perspective</b> Nick Walkden, UK Director - Fusion Industry Association <i>Fusion Industry Association UK</i>	<b>10:05 – 10:20</b>
<b>Entering the Fusion Industry</b> Alex Reeve, Senior Engineer <i>Frazer Nash Consultancy</i>	<b>10:20 – 10:35</b>
<b>Panel session: “Global challenges in delivering commercial fusion?”</b> Steve Lawler: Chair <ul style="list-style-type: none"> <li>• Tom Davis: Oxford Sigma</li> <li>• Andrew Wilson: Kyoto Fusioneering</li> <li>• Nick Walkden: FIA UK</li> <li>• Heather Lewtas: UKAEA</li> </ul>	<b>10:35 – 11:25</b>
<b>Interactive slido session</b>	

Steve Lawler, Vice Chair of the NIA Fusion Group <i>Frazer Nash Consultancy</i>	
<b>Break</b>	<b>11:30 – 12:00</b>
<b>Offering solutions: Innovative solutions for Fusion’s challenges</b>	
<b>digiLab</b> Amanda Niedfeldt, Energy Lead Digital Solutions <i>digiLab</i>	<b>12:00 – 12:15</b>
<b>Astral Systems</b> Tom Wallace-Smith, CTO <i>Astral Systems</i>	<b>12:15 – 12:30</b>
<b>AI Enabled Fusion</b> Gilbert Cessar, Data Science Senior Manager <i>Accenture</i>	<b>12:30 – 12:45</b>
<b>Fusion Industry Programme – A Solution to Fusion Industry Challenges</b> Yogesh Bhide, Fusion Industry Programme Manager <i>UK Atomic Energy Authority</i>	<b>12:45 – 13:00</b>
<b>Academic Solutions to Fusion Challenges</b> Kathryn George, Research Fellow <i>University of Manchester</i>	<b>13:00 – 13:15</b>
<b>Q&amp;A</b> <b>Chaired by Steve Lawler</b>	<b>13:15 – 13:25</b>
<b>Wrap up</b> Steve Lawler, Vice Chair of the NIA Fusion Group <i>Frazer Nash Consultancy</i>	<b>13:25 – 13:30</b>
<b>Lunch</b>	<b>13:30 – 14:30</b>
<b>Facility Tours – starting from JALT foyer</b> <ul style="list-style-type: none"> <li>• RACE (Remote Applications in Challenging Environments)</li> <li>• JET (Joint European Torus)</li> </ul>	<b>14:30 – 16:00</b>
<b>Depart from JALT</b>	<b>16:00</b>

Thank you to our hosts:



And thank you to our PYOW Dinner drinks sponsors:



