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## Industry/Academia Interface Day: 17 Nov 2015

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Department of Aeronautics, Imperial College London  
South Kensington Campus, London, SW7 2AZ

### Agenda: Tuesday 17<sup>th</sup> November 2015:

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| <b>Intro</b>        | <b>RODH-254</b>                              |  |
| <b>1030 – 1040:</b> | <i>“Welcome and introduction to IAI day”</i> | <b>Prof Christos Vassilicos</b><br><i>Dept. Aeronautics, ICL</i> |

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| <b>Session 1</b>    | <b>RODH-254</b>   |  |
| <b>1040 – 1140:</b> | <i>“Overview of ESA activities and introduction to the problem of spacecraft fragmentation during demise”</i> | <b>Mr Rafael Bureo Dacal</b><br><i>European Space Agency</i>   |
| <b>1140 – 1220:</b> | <i>“Fluid Gravity Engineering company profile, assets and capabilities”</i>                                   | <b>Dr James Merrifield</b><br><i>Fluid Gravity Engineering</i> |

### 1220 – 1315: Networking lunch (ACEX-E452)

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| <b>Session 2</b>    | <b>RODH-254</b>  |   |
| <b>1315 – 1330:</b> | <i>“Numerical methods for compressible flows with real gases”</i>                          | <b>Dr Emile Touber</b><br><i>Dept. Mech. Eng., ICL</i>              |
| <b>1330 – 1345:</b> | <i>“Synergistic Effects of LEO Environment on Space Structures”</i>                        | <b>Dr Giuliano Allegri</b><br><i>Dept. Aeronautics, ICL</i>         |
| <b>1345 – 1400:</b> | <i>“Numerical modelling of high-temperature reacting gases”</i>                            | <b>Dr Salvador Navarro-Martinez</b><br><i>Dept. Mech. Eng., ICL</i> |
| <b>1400 – 1415:</b> | <i>“High speed experimental testing capabilities and modelling vehicle entry dynamics”</i> | <b>Dr Paul Bruce</b><br><i>Dept. Aeronautics, ICL</i>               |

### 1415 – 1500: General Q&A, discussion and wrap-up comments (RODH-254)

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| <b>Tour</b>         | <b>RODH-254</b>   |   |
| <b>1500 – 1600:</b> | <i>Optional tour of experimental facilities in the Dept. of Aeronautics</i> | <b>Dr Paul Bruce</b><br><i>Dept. Aeronautics, ICL</i> |

1600: End of IAI Day

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### Venue information:

- **Talks:** Lecture room 254, Roderic Hill building (RODH-254)
- **Lunch:** Room E452, ACE Extension building (ACEX-E452)