



Ocean Air & Space First Internal Workshop

Wednesday, March 22th, 2017
From 10.00 am till 4.00 pm
Technology and Innovation Centre, Level 9

10.00 am - 10.10 am. Opening and guidelines Prof. M. Vasile (MAE)
10.10 am - 12.10 pm. Plenary talks (10 min. each):

- SPACE AND AEROSPACE RESEARCH. Prof. M. Vasile (MAE)
- THE SCOTTISH CENTRE OF EXCELLENCE IN SATELLITE APPLICATIONS. Dr. M. Macdonald (MAE)
- NAOME'S RESEARCH ACROSS THE THEME. Prof. M. Atlar (NAOME)
- SMeSTech PROJECTS AND DMEM ACTIVITIES. Dr. M. Post (DMEM)
- QUANTUM TECHNOLOGIES FOR SPACE. Prof. D. Oi (Physics)
- MARINE OPTICS AND OCEAN REMOTE SENSING. Dr. D. McKee (Physics)
- NUMERICAL ANALYSIS AND CFD. Dr. J. A. Mackenzie (M&S)
- MARINE AND FISHERIES SCIENCES. Prof. M. Heath (M&S)
- MANAGEMENT SCIENCE AND THE OAS THEME. Dr. M.J. Revie (Business school)
- RESEARCH IN BIOMEDICAL ENGINEERING. Prof. T. Gourlay (BMED)
- SENSOR SIGNAL PROCESSING. Dr. C. Clemente (EEE)
- OUTREACH AND ENGAGEMENT. Dr. S. Grey (MAE)

12.10 pm - 1.00 pm. Lunch

1.00 pm - 1.30 pm. Overview of funding. Mrs. F. McKenna (RKES)
1.30 pm - 3.30 pm. Round tables (30 min. rotations):

- SATELLITES AND SPACE SYSTEMS. Future space propulsion. Prof. M. Cartmell (MAE); Small and nano-satellites technologies and services. Dr. D. McKee (Physics).
- SUSTAINABLE TRANSPORT. Access to space and spaceports. Dr. C. Maddock (MAE); Computational multiphysics aerodynamics. Dr. M. Fossati (MAE).
- RISK, SAFETY AND RELIABILITY.[†] Life-Cycle risk management. Dr. R. Puisa (NAOME); Peridynamics and structural health monitoring. Dr. E. Oterkus (NAOME); Structural system reliability of degrading structures. Prof. N. Barltrop (NAOME); Total resilience of complex systems. Dr. O. Turan (NAOME); Self-monitoring, self-diagnosis and self-prognosis of structures. Dr. D.G. Cava (MAE)
- REMOTE SENSING. Dr. C. Clemente (EEE)
- ROBOTICS AND AUTOMATION. Dr. M. Post (DMEM)
- OCEAN ENGINEERING. Prof. M. Atlar (NAOME)
- ENGINEERING SCIENCE. Prof. M. Vasile (MAE)
- INDUSTRIAL ENGAGEMENT. Dr. E. Minisci (MAE)

3.30 pm - 3.45 pm. Coffee break

3.45 pm - 4.00 pm. Conclusion and wrap-up. Prof. M. Vasile

[†] There will be 2 physical tables for this sub-theme