

DRAFT - Subject to Change

April 1st

Missiles and Nuclear History

10:00 - 10:45

Registration

10:45 - 11:00

Welcome

11:00 - 12:30

AWRE Theme

Kate Pyne (AWE) – ‘A Cake, a Cookie and Red Snow’ – warheads for the Blue Streak Missile

Wayne Cocroft (English Heritage) – ‘Towards a history of AWRE Orfordness 1956–71’

12:30 - 1:45

Lunch

1:45 - 3:30

Trident theme

Nick Ritchie (Bradford) - Trident: obstacles to ending continuous at-sea deterrence: a historical perspective - introduction/purpose of session

Ken Johnston (formerly AWRE) - original Trident options - Aldermaston perspective

Kristan Stoddart (Southampton) - original Trident options - Whitehall perspective

Discussion / Q and A

3:30 - 4:00

Break

4:00 - 5:30

Trident (continued) and submarine operations

John Ainslie (Scottish CND) - Trident replacement options - overcoming obstacles

Further discussion / Q and A

Jock Gardner (MoD Naval Historical Branch) - Cold War submarine operations

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April 2nd

Missiles and

Nuclear History

09:00 - 10:45
Whitehall theme
Len Scott (Aberystwyth) – ‘Nuclear Crises: British intelligence and the special relationship: 1962 and 1983 compared’ Huw Dylan (Aberystwyth) – UK intelligence and the bomber and missile gaps Matthew Jones (Nottingham) – Polaris East of Suez
10:45 - 11:00
Welcome
11:00 - 12:30
Bombs Theme
Eric Grove (Salford) – Yellow Sun Richard Moore (Southampton) – ‘Replacing Red Beard: early development history of WE177’
12:30 - 1:45
Lunch
1:45 - 3:30
Delivery systems theme
John Boyes – Thor Mike Fazackerley – V-bombers Chris Gibson – ‘Poffler: the Vickers VC10 as deterrent carrier’
3:30 - 4:00
Break
4:00 - 5:30
Sir Geoffrey Pattie

Space Science

09:30 - 10:45
Registration
10:45 - 11:00
Welcome
11:00 - 12:30
David Parker - UK Space: Reviewing 2008 and looking forward to 2009 and beyond Steve Owens - What is IYA? Chas Bishop - Why Leicester?
12:30 - 1:45
Lunch
1:45 - 3:30
Open University SESSION ESMO Prof. Barrie Jones - Life Beyond the Solar System
3:30 - 4:00
Break
4:00 - 5:30
Cambridge University SESSION Sandra Raimundo - Black holes Yin-Zhe Ma - Cosmic Microwave Background

Evening Event (alternative to Conference Dinner)

Chris Riley

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April 3rd

UK SEDS

09:00 - 10:45
UKSEDS SESSION Reg Turnill David Parker - UK space science in 2009: science enabled by technology George Abbey TBC
10:45 - 11:15
Break
11:15 - 12:45
Student, Cambridge University Nick Fishwick, Astrium Keith Muirhead, HE Space
12:45 - 2:00
Lunch
2:00 - 3:45
UKSEDS SESSION Mr Phil Owen - PowerSat Stuart Eves - Moonlite Colin Hicks - Eurisy bridging the gap between Space and Society
3:45 - 4:15
Break
4:15 - 5:45
Tristan Edwards, Serco Tom Pike, Imperial College Hanna Sykulska, Imperial College Ian Gibson, BNSC

Space Science

09:00 - 10:45
Plenary
10:45 - 11:15
Break
11:15 - 12:45
OXFORD UNIVERSITY SESSION Dr. Constantine Tsang - Venus exploration: past, present and future Dr. Colin Wilson - Martian weather stations
12:45 - 2:00
Lunch
2:00 - 3:45
LEICESTER UNIVERSITY SESSION Prof George Fraser, Duncan Law Green MIXS experiment for BepiColombo EXOMARS life marker chip The Mid-Infrared Instrument for the James Webb Space Telescope: Cool Science & Engineering
3:45 - 4:15
Break
4:15 - 5:45
MULLARD SPACE SCIENCE LAB

Space Industry

09:00 - 10:45
Plenary
10:45 - 11:15
Break
11:15 - 12:45
ESA SESSION Erwin Dehamel Luca del Monte
12:45 - 2:00
Lunch
2:00 - 3:45
Richard Garriott Adam Baker - A New Launcher for the UK
3:45 - 4:15
Break
4:15 - 5:45
Matthew Stuttard - Future ESA Missions Mars Soc TBC Louis Friedman TBC

April 4th

Astronomy

09:00 - 10:45
Plenary
10:45 - 11:15
Break
11:15 - 1:00
UKSEDS SESSION Prof. Gillian Wright Dr. Helen Walker
1:00 - 2:00
Lunch
2:00 - 3:30
Dr. Claire Bretherton Dr. Patricia Schady
3:30 - 4:00
Break
4:00 - 5:30
Dr. Lucy Rogers Maggie Aderin

UKSC

09:00 - 10:45
UKSEDS PLENARY Professor Fred Taylor Professor John Zarnecki Professor David Southwood
10:45 - 11:15
Break
11:15 - 1:00
Eric Brown Professor Andrew Coates
1:00 - 2:00
Lunch
2:00 - 3:30
Pat Norris Professor Colin Pillinger George Abbey TBC
3:30 - 4:00
Break
4:00 - 5:30
UKSEDS CAREERS SESSION Bill Collins, Galileo James Penson, SSTL Paul Coutinho, Vega

Space Industry

09:00 - 10:45
UKRA SESSION John Pitfield David Sims Richard Osborne
10:45 - 11:15
Break
11:15 - 1:00
ASTRIUM SESSION Beppi Colombo - Astrium Paul Meacham - ExoMars
1:00 - 2:00
Lunch
2:00 - 3:30
REMOTE SENSING and PHOTOGRAMMETRY Soc. SESSION Stuart Eves (SSTL) - High Resolution Imaging Phillipa Mason
3:30 - 4:00
Break
4:00 - 5:30
UKRA SESSION The Charles Martin Lecture - Alan Bond Will Pomerantz TBC

Interstellar

09:00 - 10:45
Plenary
10:45 - 11:15
Break
11:15 - 1:00
Welcome/Introduction Kelvin Long
Realistic Targets for Early Interstellar Missions Claudio Maccone
Unconventional Thinking in Interstellar Spaceflight Research: Practical Approaches Tibor Pacher
1:00 - 2:00
Lunch
2:00 - 3:30
Inertial Confinement Fusion & Antimatter Catalyzed Fusion for Space Propulsion Kelvin Long
The Possibility of Inertial Reduction for Interstellar Travel Mike McCulloch
3:30 - 4:00
Break
4:00 - 5:30
The Use of Casimir Energy for Traversable Wormholes: A Tool for Interstellar Travel Remo Garattini
Relativistic Engineering for Interstellar Missions Luca Derosa