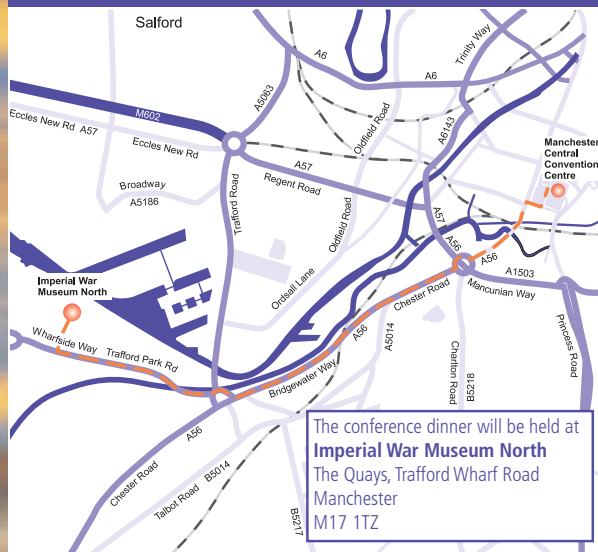
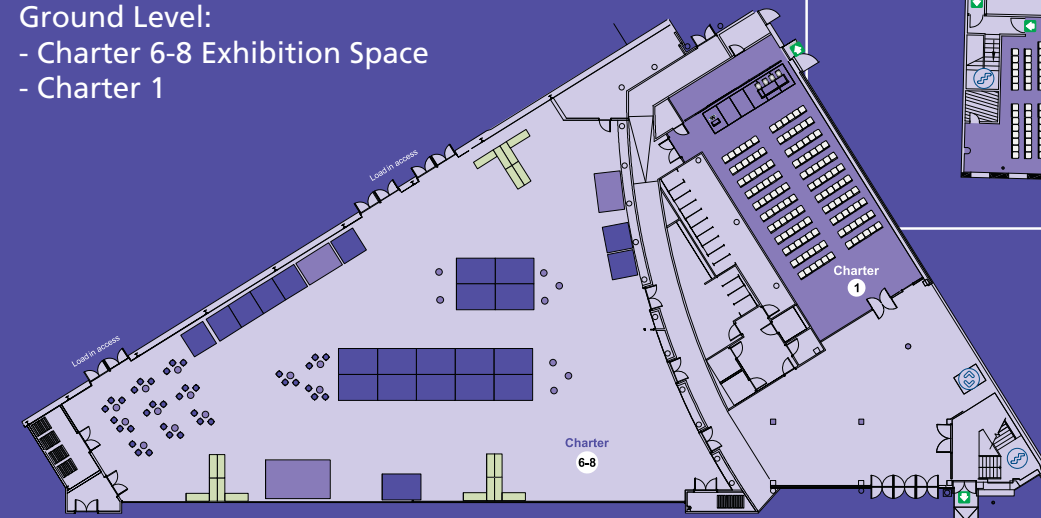


ACCESS MAPS

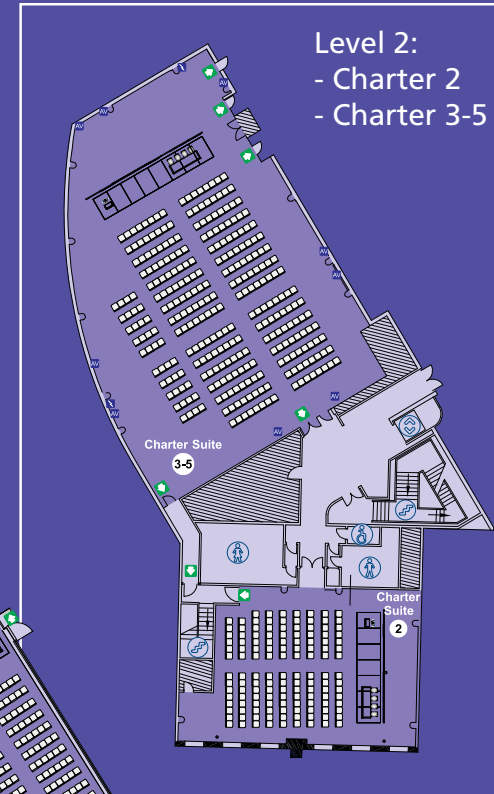


FLOOR PLANS

Ground Level:
 - Charter 6-8 Exhibition Space
 - Charter 1



Level 2:
 - Charter 2
 - Charter 3-5



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www.mcmitp.com

Materials & Components for Missiles Innovation & Technology Partnership

MCM ITP CONFERENCE

19 & 20 OCTOBER 2010

PROGRAMME DAY 1 - TUESDAY 19 OCTOBER

Registration, Tea & Coffee & Exhibition 08:00 - 09:25 (Charter Suites 6-8)
Introductions and Key Note Speakers 09:30 - 10:25 (Charter 3-5)

Introductions and Key Note Speakers include:
 Amelie ROUVIERE, MBDA / Didier MALET, DGA / Alan NICHOLL, DE&S / Steve WADEY, MBDA
 Refreshments and Exhibition 10:30 - 10:45 (Charter Suites 6-8)

Charter 1

10:50 - 12:25

Radio Frequency (RF) Sensors

Antoine BRUS, Thales / **Paul POTTER**, Dstl
 Ka Band MEMS Reflect Array
 Michele LABEYRIE, Thales
 GaN Solid-State Power Sources
 Prof Michael UREN
 Pseudo-Mangin Mirror for Dual Mode Sensor
 Chris CARTER / Tim PRITCHARD, MBDA
 Optical Remote Sensing
 Loic MÉNAGER, Thales

Lunch & Exhibition 12:30 - 13:25 (Charter Suites 6-8)

13:30 - 15:10

Electro-Optic (EO) Sensors

Robert SHEARS, SELEX / **Frederic LOAEC**, DGA
 UV Fluorescence
 Mark BRAY, SELEX-Galileo
 Dual Mode Detector Technology (Vis/SAL)
 Cliff WEATHERUP, e2v Technologies
 Wave-Front Coding
 Mark BRAY, SELEX-Galileo
 IR Micro-Stabilisation Overview
 L CHOPIN, SAGEM
 Dual Mode Sensor (MW/SAL) Overview
 Yann REIBEL, Sofradir
 Sub-Wavelength Components Overview
 Mane-Si-Laure LEE, Thales

Refreshments & Exhibition 15:15 - 15:40 (Charter Suites 6-8)

15:45 - 16:55

System Studies (Part 1)

Graham WALLIS, MBDA / **John CHRISTENSEN**, Dstl
 Dynamic Controllers
 Matt TURNER, Leicester University / Gilles DUC, SupeLec
 Vehicle ID and Aimpoint Refinement
 Pierre PASQUIER, MBDA
 Image Processing PhD
 Mike MAY, Manchester University

Exhibition 17:00 - 17:30 (Charter Suites 6-8)

Charter 2

10:50 - 12:25

Materials

Azad HUSSAIN, MBDA / **Isabelle DAUTREMONT**, DGA
 Application of Carbon Silicon Carbide Materials
 Christopher PICKFORD, MBDA
 Hypersonics
 Michel PARIER, ONERA / Michel BLIN, MBDA
 Smart Morphing
 Michael EVANS, MBDA
 Nanotechnology for Missile Applications
 Prof. Jeremy RAMSDEN, Cranfield University

Lunch & Exhibition 12:30 - 13:25 (Charter Suites 6-8)

13:30 - 15:10

Air-Breathing Propulsion

Jean-François RIDEAU, SAFRAN-Microturbo / **Bruce KAVANAGH**, Dstl
 Air Inlet Optimisation
 Jean-François RIDEAU, SAFRAN-Microturbo / Tristan SOUBRIE, ANDHEO
 Engine Durability versus Mission Profile
 Jean-François RIDEAU, SAFRAN-Microturbo
 Disruptive TJE Architecture
 Jean-François RIDEAU, SAFRAN-Microturbo
 Jean-François DOUALLE, MBDA, André PFIFFER, Roxel
 Materials for TJE Hot Section
 Emelie HERNY, SAFRAN-Microturbo
 Geoff WHITFIELD, Surface Transforms
 Xinhua WU, Birmingham University

Refreshments & Exhibition 15:15 - 15:40 (Charter Suites 6-8)

15:45 - 16:55

Rocket Propulsion

Stéphane FAVRE, Roxel / **Sébastien GOUZOU**, DGA
 Low Cost Thrust Vector Control Design
 Christian SOLER, Roxel
 Discrete Variable Thrust Concept Demonstrator
 Ben COOKSON, Roxel
 Low Cost Lateral Thrusters
 Pascal TROUILLOT, Roxel

Exhibition 17:00 - 17:30 (Charter Suites 6-8)

Imperial War Museum

Drinks Reception 19:30 Conference Dinner 20:30

PROGRAMME DAY 2 - WEDNESDAY 20 OCTOBER

Registration, Tea & Coffee & Exhibition 08:00 - 08:55 (Charter Suites 6-8)

Charter 1

09:00 - 10:40

Fuzes and Safety & Arming Units (SAUs)

Richard CLUTTERBUCK, Thales / **Julien GADESAUDE**, DGA
 Anti FIAC Fuze Research
 Gary BUZZARD, Thales
 Dual Mode Fuze
 Gary BUZZARD, Thales
 Post Launch Explosive Synthesis
 Etienne RAUSCHER, MBDA / D SPITZER, ISL-CNRS
 Semi Conductor Bridge Detonator
 Max PERRIN, Junghams-T2M
 Solid State Firing Unit
 Deborah BARICOS, Nexter Munitions

Refreshments & Exhibition 10:45 - 11:10 (Charter Suites 6-8)

11:15 - 12:15

Fuzes and SAU (Part 2)

Hardware Assisted Safety Architecture
 Richard CLUTTERBUCK, Thales
 Tuneable Initiators
 Tracy VINE, QinetiQ
 Optical Initiators
 Dr S Rafi AHMAD, Cranfield University

Lunch & Exhibition 12:20 - 13:15 (Charter Suites 6-8)

13:20 - 14:40

Warheads

Mike FIRTH, QinetiQ / **Deborah BARICOS**, Nexter Munitions
 / **Adrian HARRIS**, Dstl
 Tri-Axial Testing of Concrete
 Mihail PETKOVSKI, University of Sheffield
 Fragment Mitigation Study
 William HUNTINGTON-THRESHER, QinetiQ
 Response of Powdered Material
 William HUNTINGTON-THRESHER, QinetiQ

Refreshments & Exhibition 14:45 - 15:10 (Charter Suites 6-8)

15:15 - 15:55

Warheads (Part 2)

Composite Penetrator
 Germain CHEVALIER, MBDA
 Penetrators with Low Cost Ogive
 Nicolas ECHES, Nexter Munitions

Charter 2

09:00 - 10:45

System Studies (Part 2)

Co-Operative Guidance
Stéphane LE MENEZ, MBDA / **Antonios TSOLOUDOS**,
 Cranfield University / **Helene PIET-LAHAINER**, ONERA
 Linear Feature Crossing
 Fabrice MEUNIER, MBDA
 Particle Filtering
 Mila MIHAYLOVA, Lancaster University
 Ocellus
 Malcolm ROLLASON, QinetiQ / Guy Ruckebush, IC3i
 Counter Rockets, Artillery and Mortar
 Pierre WEYNE, MBDA
 Proxy Line of Sight
 Graham WALLIS, MBDA

Refreshments & Exhibition 10:50 - 11:15 (Charter Suites 6-8)

11:20 - 12:15

Electronics

Robin POWELL, MBDA / **David BRUCE**, Dstl
 Smart Systems in a Package
 David MANTEIGAS, MBDA
 Cabling for High EMC
 Jérémie VIEU / Ian MACKINNON, MBDA

Lunch & Exhibition 12:20 - 13:15 (Charter Suites 6-8)

13:20 - 14:40

Electronics (Part 2)

Future Miniature Datalinks
 Robin POWELL, MBDA
 COTS Components for Future Missiles
 Jean-Claude RAMES, MBDA / Hua LU, University of Greenwich
 Optical Datalinks
 Matthieu LOOSFELD, MBDA
 Super Capacitors
 Fabien ROCHER, MBDA

Refreshments & Exhibition 14:45 - 15:10 (Charter Suites 6-8)

15:15 - 15:55

Complex Weapons Centre for Defence Technology

Ian GREGORY, QinetiQ

Charter 3-5

Closing Discussion 16:00 - 16:20 Amélie ROUVIERE, MBDA / Olivier LUCAS, MBDA / Gina LINDSLEY, Dstl / Michel RICHARD, DGA