

Grand Palais Conference Centre, Lille

Pre-Conference Registration:

Please note there is an opportunity to register for the conference on **Tuesday 21st May** between **16:30 - 17:30** in the **Foyer**

MCM ITP Conference Dinner at the Chambre de Commerce, Lille

Guest speaker:

Mr de Saintignon
(Vice-président de la région
Nord Pas-de-Calais)

19:30 Drinks Reception

20:30 Conference Dinner

PROGRAMME DAY 1 - WEDNESDAY 22 MAY 2013

08:30 – 09:50 Registration, Tea & Coffee & Exhibition (Foyer)

10:00 – 11:00 Opening Remarks / Key Note Speakers (Plenary Room)

Mark OWEN (MBDA), Christophe PEZRON (DGA), Richard BROOKS (DSTL) & Mark SLATER (MBDA)

Business Room	Technical Room 1	Technical Room 2
<p>11:00 – 12:45 Domain Overviews Systems Graham WALLIS (MBDA) Electro-Optic (EO) Sensors Bob SHEARS (Selex ES) Rocket Propulsion Wulfran GLACHANT (Roxel)</p>	<p>11:00 – 12:45 Materials Azad HUSSAIN (MBDA) Inorganic Composite Materials (Pyromeral) for High Temperature Components Gilles LE PAGE (MBDA), Magali ROLLIN (Pyromeral Systems Ltd) Materials for Hypersonic Structures - A Nose Cone Demonstrator Michel PARIER (Onera), Michel BLIN (MBDA) Materials & Components for Smart Morphing & Control - A Morphing Wing Demonstrator Michael EVANS, Gérard SAUSSEREAU (MBDA)</p>	<p>11:00 – 12:45 Radio Frequency Antoine BRUS & Pierre-Thomas ALQUIER (Thales Optronics S.A.S.) Research into GaN Solid State RF Power Sources for Seekers Didier BAGLIERI, Vincent HIRTZBERGER (UMS), Chris CARTER (MBDA) Ceramic Ball Bearing for Seekers Jérôme FONCIN (Thales Optronics S.A.S.)</p>
<p>13:00 – 13:45 Lunch</p>	<p>13:00 – 13:45 Lunch</p>	<p>13:00 – 13:45 Lunch</p>
<p>13:45 – 15:30 Domain Overviews Radio Frequency (RF) Sensors Antoine BRUS, Pierre-Thomas ALQUIER (Thales Optronics S.A.S.) Materials Azad HUSSAIN (MBDA) Electronics François CONSEIL (MBDA)</p>	<p>13:45 – 15:30 Air Breathing Propulsion Frédéric VERDEAUX (Safran Microturbo) Investigation of Materials and Process-routes for Uncooled Turbines Emilie HERNY (Safran Microturbo) Investigation of Materials and Process-routes for Turbo-Jet Engine Cold Sections Emilie HERNY (Safran Microturbo) Low Cost Injection Frédéric VERDEAUX (Safran Microturbo) Short Life Engine Design Frédéric VERDEAUX (Safran Microturbo)</p>	<p>13:45 – 15:30 Warheads Mike FIRTH (QinetiQ) & Déborah BARICOS (Nexter) Evaluation of Powdered Materials for High Strain Rate Applications William HUNTINGTON-THRESHER (QinetiQ) Design and Testing of a Composite Penetrator Germain CHEVALIER (MBDA) Longer Stand Off Warheads for the Defeat of Next Generation Armours William HUNTINGTON-THRESHER (QinetiQ), Peter FRANKL (QinetiQ), Rémi BOULANGER (Nexter)</p>
<p>15:30 – 16:00 Break & Poster Session</p>	<p>15:30 – 16:00 Break & Poster Session</p>	<p>15:30 – 16:00 Break & Poster Session</p>
<p>16:00 – 17:45 Domain Overviews Air Breathing Propulsion Jean-François RIDEAU (Safran Microturbo) Warheads Mike FIRTH (QinetiQ), Deborah BARICOS (Nexter) SAUs & Fuzes Richard CLUTTERBUCK (Thales)</p>	<p>16:00 – 17:45 Systems Graham WALLIS (MBDA) Advanced Radio Altimetric Navigation Eva REGNIER (MBDA) Dynamic Controllers Matt TURNER (Leicester University) Image Processing Studies Odessa LORIOT (MBDA) Guidance in Uncertain Shooting Domains Emmanuel MAZER (Probayes SA), Stéphane LE MENEZ (MBDA)</p>	<p>16:00 – 17:45 Rocket Propulsion Wulfran GLACHANT (Roxel) Thrust Modulation - Discrete reversible thrust actuator and material technology Ben COOKSON (Roxel) Thrust Modulation - Low cost throterable valve André PFIFFER (Roxel) Thrust Vector Control - Morphing exit cone Christian SOLER (Roxel)</p>

**Grand Palais
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Lille**

Travelling home?

Train to London

departure **16:35** arrival
London **17:03**

or

departure **17:35**
arrival London **18:12**

Train to Paris

departure **17:13**
arrival Paris **18:14**

or

departure **17:41**
arrival Paris **18:44**

(Local times)

PROGRAMME DAY 2 - THURSDAY 23 MAY 2013

08:00 – 08:55 Registration, Tea & Coffee & Exhibition (Foyer)

Business Room	Technical Room 1	Technical Room 2
<p>09:00 – 10:45 MCM ITP - How to Get Involved and Maximise Your Success Marc TOULZA (MBDA), Mark OWEN (MBDA)</p>	<p>09:00 – 10:45 Electro-Optic (EO) Sensors Bob SHEARS (Selex ES) Wavefront Coding David PAGE (MBDA) Sub-Wavelength Optical Prisms for Scanner Mane-Si-Laure Lee BOUHOURS (Thales) Dual Band (MW & LWIR) Polarimetric Target Discrimination Chris GREENWAY (MBDA) Charge Coupled Device Semi-Active Laser Sensor Roger PITTOCK (e2v) Feasibility Studies of a Dual Mode Infrared Detector Yann REIBEL (Sofradir) IF - MWIR Liquid Crystals Mark BRAY (Selex ES)</p>	<p>ROOM NOT IN USE</p>
<p>10:45 – 11:15 Break & Poster Session</p>	<p>10:45 – 11:15 Break & Poster Session</p>	<p>10:45 – 11:15 Break & Poster Session</p>
<p>11:15 – 12:15 Intellectual Property and Q&A Session Claire GAME (MBDA)</p> <p>12:15 – 13:00 MCM ITP Case Studies Mark DUMVILLE (Nottingham Scientific Ltd), John SADI (Lightnics)</p>	<p>11:15 – 13:00 Fuzes and SAUs Richard CLUTTERBUCK (Thales) Laser Initiation Optical Switch for Safety Emanuel CHALUMEAU, Sebastian ERMENEUX (Alphanov) Laser Initiation: Laser Sources for Initiation Sebastian ERMENEUX, Guillaume PEDROZA (Alphanov) Dual Mode Proximity Fuze Benchtop Demonstrator Gary BUZZARD (Thales) Anti FIAC Fuzes Gary BUZZARD (Thales)</p>	<p>11:15 – 13:00 Electronics François CONSEIL (MBDA) Data Optical Transmission within a Missile Matthieu LOOSFELD (MBDA) Stacked Systems in a Package David MANTEIGAS (MBDA) Future IC Failure Mechanisms Criticality Pascal RETAILLEAU (MBDA) Supercapacitors for Missile Applications Fabien ROCHER (MBDA)</p>
<p>13:00 – 13:45 Lunch</p>	<p>13:00 – 13:45 Lunch</p>	<p>13:00 – 13:45 Lunch</p>

Plenary Room

13:45 – 14:45 Future Applications
Andrew BURLES (DSTL) & Christophe GRANDMANGE (DGA)

14:45 – 15:30 Closing Session and Awards
Mireille CARLIER (DGA), Alan VINCENT (DSTL) & Olivier LUCAS (MBDA)