

# OUTLINE PROGRAMME 2017

**MCM ITP**  
Materials & Components for Missiles  
Innovation & Technology Partnership



MCM ITP 10TH ANNIVERSARY

## DAY 1

WEDNESDAY 11 OCTOBER

09:30-11:20 Registration, tea/coffee and Stands session  
11:30-12:30 PASTEUR ROOM – Opening Remarks | Key Note Speakers  
12:30-13:15 Lunch

MATISSE ROOM		VAN GOGH ROOM		ARTOIS ROOM	
13:15-14:45	<b>DOMAIN OVERVIEWS:</b> Systems and Navigation   Radio Frequency (RF) Seekers	13:15-14:45	<b>MATERIALS:</b> High Temperature Radome Materials for Data Links on High Speed Missiles   Functionally Graded Materials   Ceramic to Metal Joining Techniques	13:15-14:45	<b>ELECTRONICS:</b> DEDALE: DEvelopment of Data Link waveformE (for demanding scenarios) <b>ELECTRO-OPTIC (EO) SENSORS:</b> Conformal Seeker
14:45-15:45 DEMONSTRATION AREA – Dedicated demonstration session   break and refreshments   Stands session					
15:45-17:15	<b>DOMAIN OVERVIEWS:</b> Materials   Fuzes & SAUs	15:45-17:15	<b>AIR BREATHING PROPULSION:</b> Development of Selective Laser Melting/Hot Isostatic Pressing   Manufacture of Hot Section Components in Ceramic   ECO Lubrication of TJE Bearings	15:45-17:15	<b>ELECTRO-OPTIC (EO) SENSORS:</b> Micro Cooler   Long Wave Infrared Domes by Ceramic Processing of Nanopowders   Compact High Performance Cooled IR Seeker Design for Missile Applications

**MCM ITP Conference Dinner** CHAMBRE DE COMMERCE ET D'INDUSTRIE 19:30 Pre-dinner drinks reception 20:30 Conference dinner

## DAY 2

THURSDAY 12 OCTOBER

08:30-09:00 Registration, tea/coffee and Stands sessions

MATISSE ROOM		VAN GOGH ROOM		ARTOIS ROOM	
09:00-10:30	<b>DOMAIN OVERVIEWS:</b> Rocket Propulsion   Warheads	09:00-10:30	<b>SYSTEMS &amp; NAVIGATION:</b> Wire Free Architectures for Missiles   PAMIR2   Fast Targeting	09:00-10:30	<b>RADIO FREQUENCY (RF) SEEKERS:</b> IDEASpot   Multi-function RF Seeker Based on 3D Phased Array (LIZARD)
10:30-11:30 DEMONSTRATION AREA – Dedicated demonstration session   break and refreshments   Stands session					
11:30-12:15	<b>MCM ITP – HOW TO GET INVOLVED &amp; MAXIMISE YOUR SUCCESS</b>	11:30-13:00	<b>SYSTEMS &amp; NAVIGATION:</b> Adaptive Planning in a Complex and Uncertain Theatre   Robust Adaptive Control 2 <b>WARHEADS:</b> A Novel Fibre Optic Temperature Sensor for the Characterisation of Explosive Events	11:30-13:00	<b>RADIO FREQUENCY (RF) SEEKERS:</b> VELPROMISO <b>ROCKET PROPULSION:</b> Energy Management – 'Snail' Charge   Ceramic Coatings
12:15-13:00	<b>DOMAIN OVERVIEWS:</b> Electronics				
13:00-13:45 Lunch					
14:00-15:30	<b>DOMAIN OVERVIEWS:</b> Air Breathing Propulsion   Electro-Optic (EO) Sensors	14:00-15:30	<b>WARHEADS:</b> Establishing Material Response and Ignition Mechanisms for Sintered Reactive Materials   Lethality Models for Reactive Materials   Additively Manufactured Penetrating Warhead	14:00-15:30	<b>FUZES &amp; SAUs:</b> Microchip Laser for Extended Range Proximity Fuzing   Additive Manufacture of Very High G Survivable Fuze Housings
15:30-15:45 Break and refreshments   Stands session					
15:45-16:15 PASTEUR ROOM – Awards and closing session					