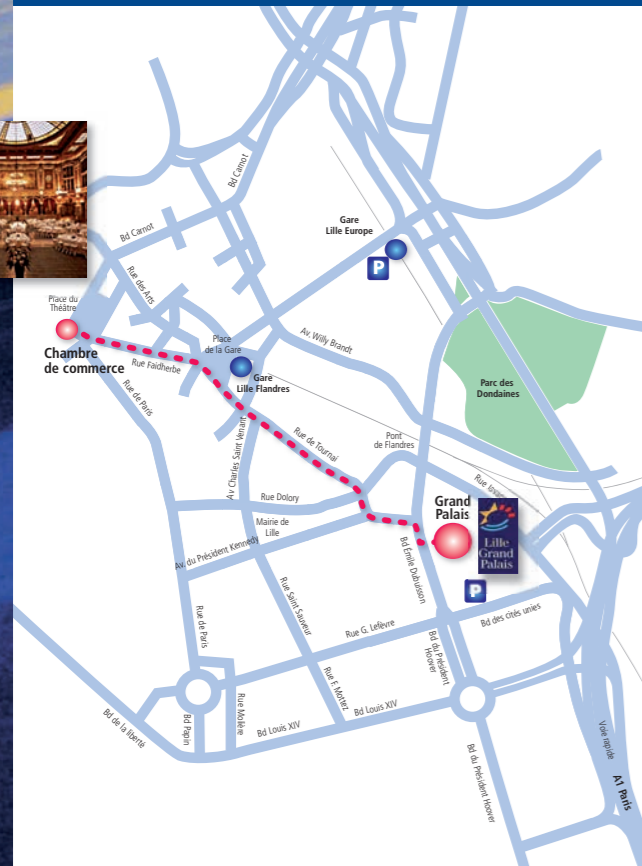
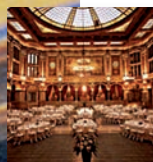


MCM-ITP CONFERENCE

ACCESS MAP

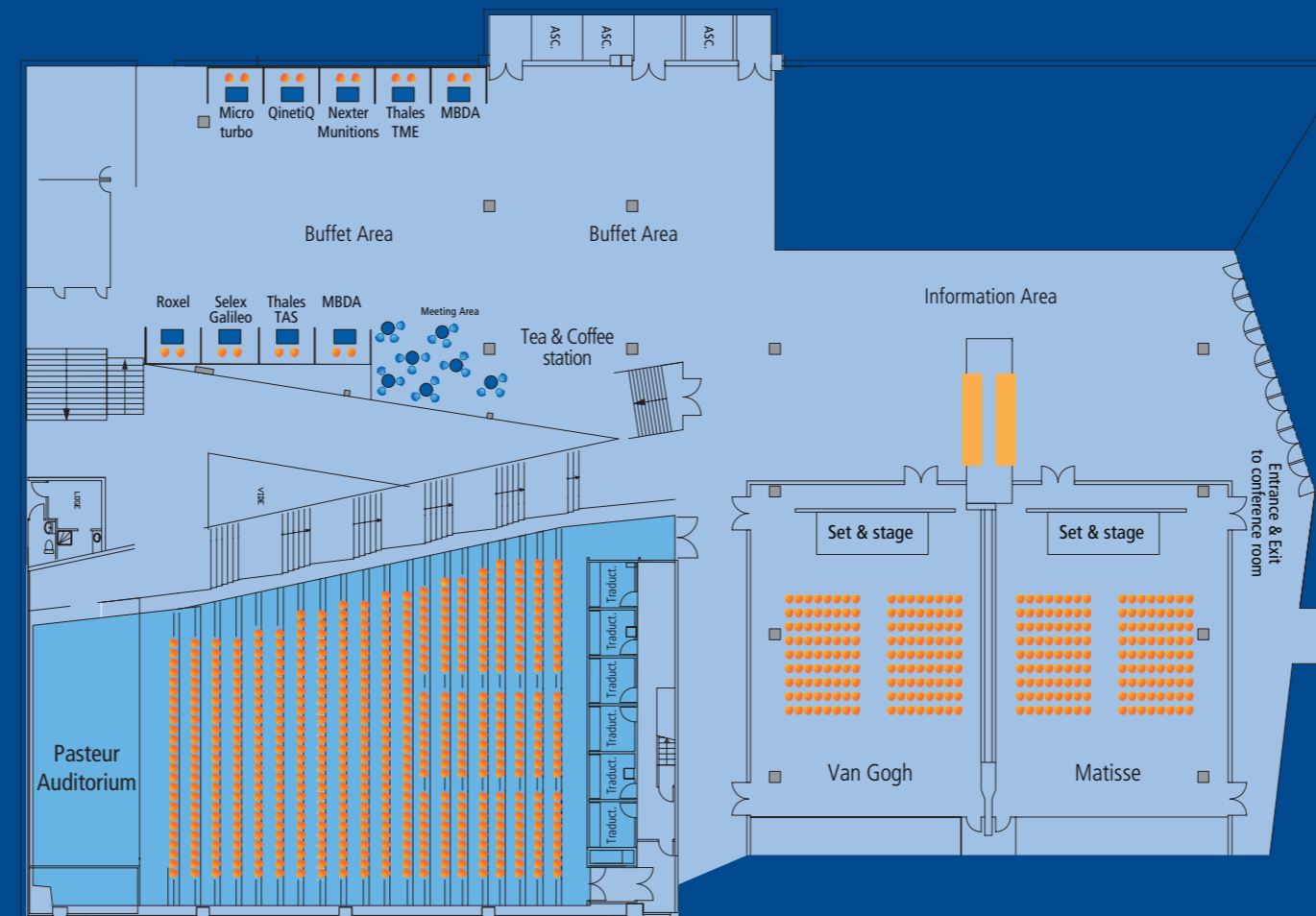


Chamber of Commerce and Industry
Place du Théâtre
59020 Lille, France
+33 (0)3 20 63 77 77

The ITP conference is pleased to host a 3 course dinner for all delegates on Monday 22 June at the impressive Chamber of Commerce and Industry in the centre of historic Lille. This is a fantastic opportunity to meet and network with all delegates attending the conference.

MCM-ITP CONFERENCE

GRAND PALAIS EXHIBITION SPACE



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PROGRAMME

MCM-ITP CONFERENCE

Materials & Components for Missiles Innovation & Technology Partnership

22 & 23 JUNE 2009

PROGRAMME DAY 1- MONDAY 22 JUNE 2009

Registration, Tea & Coffee & Exhibition - 09:00 - 10:30

Plenary Session - Pasteur Auditorium 10:30 - 11:45

Introductions & Key Note Speakers including:

IGA Blandine Vinson Rouchon (DGA) - Dr. Chris Mace (MoD) - Mark Slater (MBDA)

Conference overview & instructions

VAN GOGH ROOM

11:45 - 13:20

Electro-Optics (EO) Sensors

Introduced by: Robert Shears (SELEX) - Frédéric Loaëc (DGA)

Conformal Optics

Mike Roberts (Qioptiq)

UV Fluorescence

Jason Lepley (Selex)

Super Resolution Testbed

John Northfield (MBDA)

Wave Front Coding

Nick Bustin (Qioptiq)

Lunch and Exhibition - 13:20 - 14:20

14:20 - 15:30

Systems Level Studies

Introduced by: Graham Wallis (MBDA) - Ivan Catchpole (DSTL)

Micromunitions

James Hickey (MBDA) - Dr. Yoge Patel (BBSR)

Vehicle ID

Hedi Harzallah (INRIA Alpes)

Image Processing PhD

Michael May (University of Manchester)

Sam Proctor (Manchester)

Coffee - Tea & Exhibition - 15:30 - 16:00

16:00 - 17:05

Systems Level Studies continued

Cooperative Guidance

Stéphane Le Menec (MBDA) - Hélène Piet-Lahanier (ONERA)

Antonios Tsourdos (Cranfield)

Use of Particles

Lyudmila Mihaylova (Lancaster)

Dynamic Controllers

Jean Philippe Harcaut (MBDA)

Emmanuel Prempain (University of Leicester)

Drinks and Exhibition - 17:05 - 17:45

MATISSE ROOM

11:45 - 13:05

Materials

Introduced by: Azad Hussain (MBDA) - Dr. Peter Brown (DSTL)

C-SiC Composites for High Temperature Application

Dave Walker (MBDA)

Dr. Geoff Gould (Surface Transforms)

Materials & Barrier Coatings

for Hypersonic Structures

Michel Blin (MBDA) - Michel Parlier (ONERA)

Materials & Methods for Smart Control & Morphing

Dr. Lorenzo Iannucci (Imperial College, London)

Lunch and Exhibition - 13:05 - 14:05

14:05 - 15:25

Warheads (and Lethal Mechanisms)

Introduced by: Mike Firth (QinetiQ) & Deborah Baricos (Nexter)

John Christensen (DSTL)

Tuneable Warheads

Peter Frankl (QinetiQ)

Selectable Volumetric Warheads

Peter Frankl (QinetiQ)

Tri-axial testing of Concrete

Phil Church (QinetiQ) - Mihail Petkovski (Sheffield)

Coffee - Tea & Exhibition - 15:25 - 15:55

15:55 - 17:15

Warheads (and Lethal Mechanisms) continued

Fragment Mitigation Study

Phil Church (QinetiQ)

Response of Powdered Material

Phil Church (QinetiQ)

Short Lethal Area Warhead

Nicole Forrichon (Nexter)

Penetrators with Low Cost Ogive

Nicolas Eches (Nexter)

Composite Penetrator

Emmanuel Hennequin (MBDA)

Drinks and Exhibition - 17:15 - 17:45

Champagne Reception 20:00 - Conference Dinner 20:30

Chamber of Commerce and Industry - Place du Théâtre - Lille

PROGRAMME DAY 2- TUESDAY 23 JUNE 2009

Registration, Tea & Coffee & Exhibition - 08:00 - 09:00

VAN GOGH ROOM

09:00 - 10:45

Fuzes and Safety & Arming Units (SAUs)

Introduced by:

Richard Clutterbuck (Thales - TME) - Yannick Le Sciellour (DGA)

Anti FIAC Fuze

Gary Buzzard (TME)

Hardware Assisted Architecture

Richard Hewitt (TME)

MEMS SAU Architectures

David Combes (QinetiQ)

Solid State Firing Circuit

Pierre Magnan (Nexter)

Coffee - Tea and Exhibition - 10:45 - 11:15

11:15 - 12:20

Fuzes and SAUs continued

Semi-Conductor Bridge Detonator

Christophe Rivière (T2M)

Tuneable Initiator

Tracey Vine (QinetiQ)

Post-Launch Explosive Synthesis

Jean Caillard (MBDA)

Open discussion (future research possibilities)

Lunch & Exhibition - 12:20 - 13:20

13:20 - 14:50

Radio-Frequency (RF) Sensors

Introduced by: Antoine Brus (Thales - TAS) - Graham Sharples (DSTL)

Ka Band Reflect Array Antenna

Michèle Labeyrie (Thales)

GaN Solid State Power Structures

Dr. Trevor Martin (QinetiQ)

Optically Remote Antenna

Loïc Menager (Thales)

Coffee - Tea and Exhibition - 14:50 - 15:10

15:10 - 16:15

RF Sensors continued

Dual Mode Material

Bernard Dumont (Thales)

IR Assisted RF Seeker

Chris Carter (MBDA)

MATISSE ROOM

9:00 - 10:45

Rocket Propulsion

Introduced by: Stéphane Favre (Roxel) - Adam Cumming (DSTL)

Low Cost Thruster Valve

Fabien Doreau (Roxel)

Thrust Vector Control

Andre Pfiffer (Roxel)

Combined DVT - TVC

Andrew Strickland (Roxel)

Discrete Variable Thrust

Andrew Strickland (Roxel)

Coffee - Tea and Exhibition - 10:45 - 11:15

11:15 - 12:50

Turbojet Propulsion

Introduced by:

Jean-François Rideau (Microturbo) - Jérôme Le Gall (DGA)

Low Cost ECU

Jean-François Rideau (Microturbo)

High Speed Turbojet

Fabien Silet (Microturbo)

Air Inlet Interface Optimisation

Jean-François Rideau (Microturbo)

Engine Durability vs Profile

Jean-François Rideau (Microturbo)

Lunch & Exhibition - 12:50 - 13:50

13:50 - 14:55

Electronics

Introduced by: Michel Foulon (MBDA) - Gaston Massala (DGA)

Stacked System in a Package (SSiP)

David Manteigas (MBDA)

COTS for the Future

Pr. Chris Bailey (Greenwich University, London)

Coffee - Tea and Exhibition - 14:55 - 15:15

15:15 - 16:15

Electronics continued

Interconnects for High EMC Field

Alain Picard (MBDA)

Future Integrated Safety Electronics

Martin Money (MBDA)

Miniature Data Link

Robin Powel (MBDA)

Closing Plenary Session Pasteur Auditorium 16:15 - 16:45

The closing session will invite ideas for future projects provide an overview of future work and provide information on the ITP MCM - ITP 2010 conference