

International Armoured Vehicles

THE WORLD'S PREMIER ARMoured VEHICLES FORUM

Focus Day

Modernisation, Retrofit & MRO
25th January 2016

Main Conference

26th-27th January 2016

Evening: Gala Dinner

Hosted by Textron Systems
26th January 2016

Post-Conference Workshop Day

28th January 2016

Venue

Twickenham Stadium,
London, UK



“ We’re having a lot of targeted conversations with real key decision makers, instead of just having a very broad industry discussion. It’s been a great conference

Textron Systems, Lead Partner,
International Armoured Vehicles 2014-2016 ”

Lead Partner:

TEXTRON Systems

Conference Partners:

BAE SYSTEMS

GENERAL DYNAMICS

LOCKHEED MARTIN

nexTER

**RHEINMETALL
DEFENCE**

Together
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A company of ST Engineering

MILSPRAY
Military Technologies
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Patria



Dear Colleagues,

It gives me great pleasure to invite you to join professionals from across the globe at next year's International Armoured Vehicles Conference to be held at Twickenham Stadium, London at the end of January 2016. Now in its 15th year, the conference will bring together practitioners, providers and wider stakeholders to take an in-depth, contemporary look at armoured vehicles in the Defence and Security context.

At last year's conference, our first at Twickenham, we were yet again reminded of the wide utility of the armoured vehicle capability. Ministers outlined the policy related to the capability and explained how much would be invested in it. Senior and expert speakers from 6 continents provided first hand accounts of how this capability was being employed, adapted and more often than not, extended for tomorrow's needs. And industry outlined how they planned to meet these changing requirements and sustain this key capability with more than just a nod to 'value for money'. But in the background there was a constant exchange of ideas, lessons learned, valued contacts and experiences. In short, a profitable and enjoyable experience.

**CONFERENCE
CHAIRMAN**
**Lieutenant General
(Rtd) Sir Gary
Coward KBE CB,**
Former Quartermaster
General, DE&S,
UK MoD

Gary spent his early career in the Royal Artillery, serving in Germany and Northern Ireland. He trained as a helicopter pilot in 1978 and continued at regimental duty in the UK, Germany, Hong Kong and Brunei, transferring to the Army Air Corps in 1983. On the staff, Gary has held posts in the USA, UK and Bosnia. He commanded C Flight in Brunei, 656 Squadron in the UK and 1 Regiment AAC in Germany and the Balkans. More recently, Gary has served in the MOD, the Joint Helicopter Command and the Permanent Joint Headquarters. In his final tour in the Army he was both Chief of Materiel (Land) and Quartermaster General. He was appointed OBE in 1996, CB in 2008 and KBE in 2012. Since retiring from the Army at the end of 2012, Gary has established a portfolio of non-executive and charitable roles. He maintains links with the Army through being a Trustee of the Sandhurst Trust, President of both the AOP Officers' Association and the AAC Veterans' Association and is a Deputy Colonel Commandant of the AAC.



Both Ukraine and Syria were high on the agenda last year and I sense they will stay there for this event too. To this we must add Iraq as IS/ISIL continues to advance, despite the attentions of coalition air-power and the Iraqi Army and Militias. Events in Libya, Yemen, Afghanistan and West Africa will also beg our attention from an operational employment perspective. Such conflicts highlight the roles armoured vehicles play in protecting people, delivering mobility and lethality, but also expose their vulnerabilities and the challenges in training and sustainability.

Any effective military capability requires an industrial hinterland to sustain existing platforms and to develop even more capable successors. Those who attended last year's conference will recall that a number of nations had embarked upon programmes to prolong and enhance venerable AFVs and that a few had launched programmes to develop home-grown capability. I hope to hear this year how these programmes are progressing and how others have embarked on similar or other initiatives. We should also be able to hear how technological advances and novel solutions can drive down costs, improve the operator experience, raise standards through better training and drive up overall capability.

The list of confirmed international speakers is already impressive and I am confident that other significant players will add even greater diversity and insight. This conference offers an unparalleled opportunity to share these varied experiences in this vital field, at a venue that offers the space to exhibit, confer and network with a wide variety of international colleagues on one site. Whether you are a military practitioner, acquisition staffer, decision maker, programme manager, technical expert, industrial supplier or strategic leader, I believe you will all benefit considerably from attending and look forward to welcoming you to Twickenham early next year.

Best Wishes,

Lieutenant General Sir Gary Coward KBE CB
Chairman
International Armoured Vehicles Conference 2016

KEYNOTE SPEAKERS



Major General Robert Talbot-Rice,
Head of Armoured Vehicle Programmes, DE&S

The British Army's go-to armoured vehicle chief. He heads a team of 300 experts, overseeing fleet projects worth £10bn in the next ten years.

Together they support all British Army in-service core equipment, such as Challenger and Warrior; new projects, including the Scout Specialist Vehicle (SV), Warrior Capability Sustainment Programme (CSP), Challenger 2 Life Extension Programme (LEP); the Utility Vehicle programme and the Armoured Platform Support Vehicle (APSV). They are also responsible for overhauling vehicles purchased under Urgent Operational Requirements (UOR) for Iraq and Afghanistan ready for incorporation into the core fleet.



General Dennis L Via,
Commanding General, US Army Materiel Command, US Army

Assumed duties as the 18th Commander of the U.S. Army Materiel Command (AMC) August 7, 2012. AMC is the Army's premier provider of materiel readiness to ensure dominant land force capability for the U.S.

Warfighter and our allies.

General Via's prior assignment was as AMC's Deputy Commanding General. He deployed to Southwest Asia in October 2011 as the Commander, AMC Responsible Reset Task Force with the mission of leading the strategic integration of the Materiel Enterprise for the Retrograde of equipment and materiel out of Iraq at the conclusion of Operation NEW DAWN. General Via holds the distinction of being the only Signal Corps officer in U.S. Army history to be promoted to 4-Star General.



Lieutenant-General Anatoliy Pushnyakov,
Commander of Ground Forces, Ukrainian Armed Forces

Ukrainian acting President Oleksandr Turchynov appointed Lieutenant-General Anatoliy Pushnyakov as the commander of the Ukrainian Ground Forces in

May 2014. He will deliver an authoritative and strategic level update of current developments in the security situation of Ukraine.

Since Ukraine's independence from the Soviet Union in 1991 Ukraine retained its Soviet-era army equipment and have not replaced nor upgraded it. Since the start of the War in Donbass in April 2014 in eastern Ukraine, the county is investing heavily in upgrading its Armed Forces.



Lieutenant General Seppo Toivonen,
Commander, Finnish Army

Lieutenant General Toivonen was assigned Commander of the Finnish Army on 1 July 2014. Prior to that he led the Planning Group for the Reform of Finnish Defence Forces at the Defence Command. LTG Toivonen's additional military education includes Battalion Command and Higher Officers (COL, BG) courses, the NATO Flag Officers Course (GFOAC) at NDC, Rome along with a variety of other courses such as the National Defence Course.

LTG Toivonen's awards and decorations include: Commander of the Order of the White Rose of Finland, Knight, First Class, of the Order of the Lion of Finland, the Medal for Military Merits and the NATO Non-Article 5 Medal. He was promoted to Major General in June 2011 and Lieutenant General in June 2014.



H.E. General Qadam Shah Shaheem,
Chief of General Staff, Afghan National Army

General Shaheem is from Tashkan district of Badakhshan. From the early 1980s, he was fighting with Jamiat-e Islami against the Soviets and then, against other mujahedin factions during the civil

war and then against the Taleban. In 1994 he was appointed commander of 82 regiment in Qargha and in 1997) made brigadier (appointments by the mujahidin Islamic State administration of Burhanuddin Rabbani). In 2002 Qadam Shah was the commander of 37th brigade of commandos. He was appointed Chief of the General Staff in early 2015.

CONFIRMED SPEAKERS INCLUDE:



Vice Admiral Mathew Quashie, *Chief of Defence Staff, Ghana Armed Forces*



Major General Payenda Mohammad Nazim, *Inspector General, Afghan Ministry of Defence*



Major General Richard Opoku-Adusei, *The Chief of the Army Staff, Ghana Armed Forces*



Major General Francesco Paolo Figliuolo, *Chief of Logistics Department, Italian Army General Staff*



Colonel John B. Atkinson, *Director, Fires and Maneuver Integration Division, CD&I, HQ United States Marine Corps*



Brigadier General Charles Beaudouin, *Director Technical Section, French Army*



Brigadier Ian Gibb, *Director Combat Capability, British Army Headquarters*



Brigadier General Simon Barwabatsile, *Commander 3 Brigade Group, Botswana Defence Force*



Brigadier General Juma'h .T. AL HROUT, *Commanding General, 3rd Armored Division, Jordanian Armed Forces*



Brigadier General Norbert Huber, *Director Armament and Procurement, MoD Austria*



Brigadier General Jack Singyangwe, *Chief of Policy, Doctrine and Strategic Branch, Zambian Army*



Brigadier General Bernhard Liechtenauer, *Chief of Staff and Deputy Director, Army Concepts and Capabilities Development Centre, German Army*



Colonel Glenn A. Dean, *Stryker Program Manager, US Army*



Colonel Shane Fullmer, *Joint Light Tactical Vehicle Joint Program Office Manager, US Army*

Continued overleaf...

6 KEY REASONS NOT TO MISS INTERNATIONAL ARMoured VEHICLES 2016

- 1** Recognised as the must-attend annual event for valuable **two way information exchange** between armour operators, OEMs, tier-two manufacturers and ancillary system suppliers, giving you an **unrivalled view of the future of armoured land capability 2035+**
- 2** Exchange ideas with over 400 peers and prospects, **develop new strategies** tailored to your customer needs and compare notes on the evolution of armoured vehicles
- 3** Take away strategic analysis of the evolving threat spectrum to **evaluate potential capability gaps** and to **ensure that resources are invested effectively** to match end user requirements
- 4** Conduct face-to-face meetings, build relationships, and gain insight from military and industry attendees in order to **assess the evolving operating environment** and future fleet acquisition
- 5** Take part in briefings on dozens of armoured vehicle programmes led by **senior influencers and decision-makers** from UK and other international military – identify cost-saving and **business winning opportunities**
- 6** Receive **first hand insight** into recent operations, testing and exercises to assess how Army leaders are likely to structure their modernisation **priorities over the immediate, medium and long-term future**

INDUSTRY INSIGHT FROM:

Kevin J. Kennedy,
Vice President, International Business Development

TEXTRON Systems

Per Samuelsson,
Deputy Director, Business Development

BAE SYSTEMS

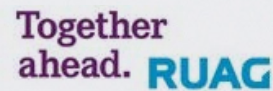
Winston Toh,
Chief Marketing Officer



Senior Business Development officer, **GDLS**

GENERAL DYNAMICS

Lars Bruhlmann, Vice President Strategy & Technology,



Peter Pietralski, Director Research Engineering, **Lockheed Martin UK – Amptill**



Patrick Langlois, VP Marketing Eurasia,



Mike Duckworth, Executive VP International Affairs



Niklas Alund,
Director Marketing and Business Development



Hugo Torstensen,
Business Development Manager

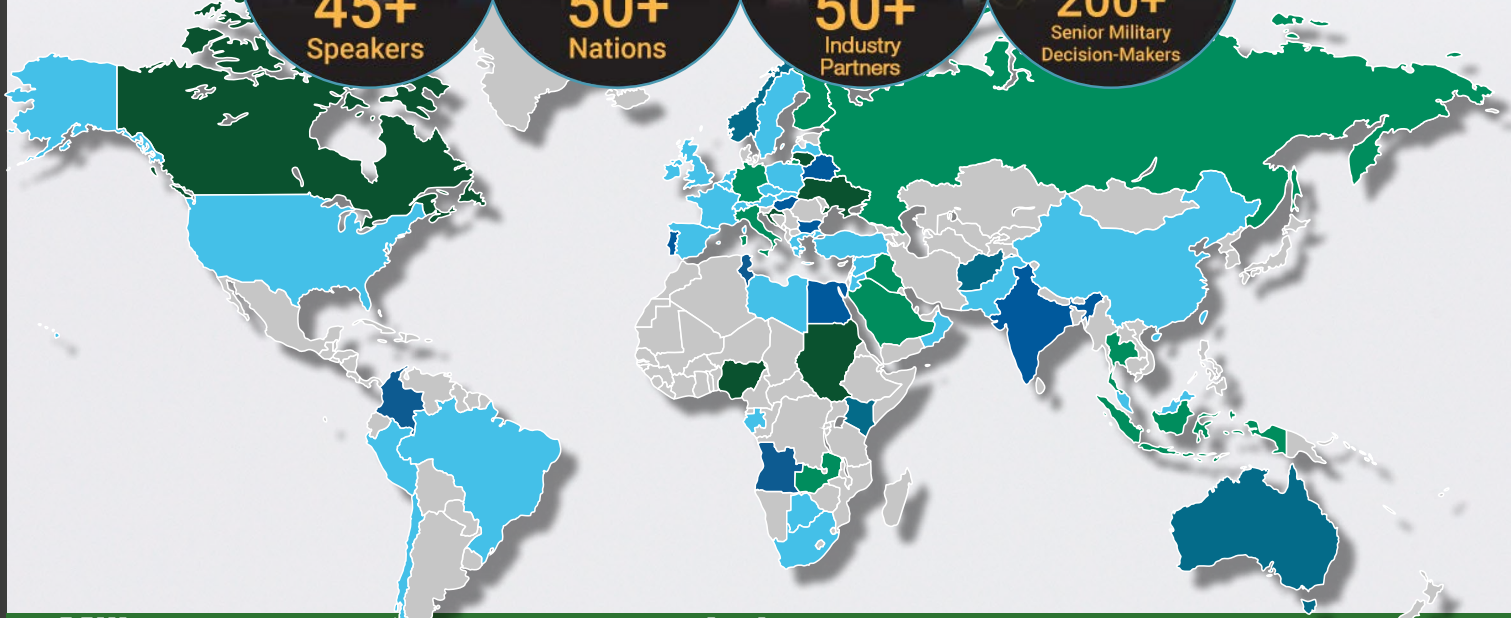


Joseph Gerschutz,
Director of Engineering

MILSPRAY

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GSA Contract Holder Certified Small Business

WHO ATTENDS INTERNATIONAL ARMOURED VEHICLES



Military

Industry

- | | | | | | | |
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| <ul style="list-style-type: none"> ■ ARMSCOR ■ Academy of Armored Forces Engineering ■ Afghanistan Army ■ Afghan Ministry of Defence ■ Australian Army ■ Brazilian Army ■ Brazilian Navy ■ British Army ■ Botswana Defence Force ■ Bulgarian Army ■ Canadian Army ■ Canadian DoD ■ Colombian Army ■ Colombian Marine Corps ■ Constellium ■ Switzerland A.G. ■ Cyprus National Guard ■ Czech Ministry of Defence ■ Danish Army ■ DARPA ■ Defence Logistics Organisation ■ DGA ■ DLO ■ DRDC-RDDC ■ DRDO ■ Dstl ■ Egyptian Armed Forces ■ Embassy of Chile ■ FFI Norwegian Defence Research Establishment ■ Finnish Army ■ Finnish DoD ■ FIRE Finnish | <ul style="list-style-type: none"> ■ Defence Intelligence Research Establishment ■ FMV ■ FOI Swedish Defence Research Institute ■ French Army ■ Gabonese Armed Forces ■ German Army ■ German MoD ■ Indian Army ■ Indonesian Army ■ Iraqi Army ■ Irish Defence Forces ■ Israel Defence Force ■ Italian Army ■ Italian DoD ■ Italian Navy ■ JSDGF ■ Kuwaiti Army ■ Latvian Ministry of Defence ■ Malaysian MoD ■ Malaysian Army ■ Ministry of Defence, Saudi Arabia ■ Ministry of the Interior, Saudi Arabia ■ NATO ■ Nigerian Army ■ Nigerian Ministry of Defence ■ Norwegian Army ■ Norwegian DoD ■ NSPA ■ Pakistan Police Force | <ul style="list-style-type: none"> ■ Philippines Army ■ PINDAD ■ Polish Army ■ Polish DoD ■ Qatari Emiri Land Force ■ Republic of Korea ■ Romanian Army ■ Royal Army of Oman ■ Royal Danish DoD ■ Royal Danish Navy ■ Royal Marines ■ Royal Netherlands Army ■ Russian DoD ■ SA Army ■ SANDF ■ Serbian Army ■ Slovenian Army ■ Sindh Police, Pakistan ■ Singapore Army ■ Spanish Army ■ STRIDE ■ Swedish Army ■ Swedish DoD ■ Tunisian Ministry of Defence ■ Turkish Army ■ Turkish MoD ■ UAE Ground Force ■ UK MoD ■ Ukraine DoD ■ Ukraine Army ■ UKTI DSO ■ United Nations ■ US Army ■ US Army RDECOM ■ US DoD ■ USMC ■ Zambian Army | <ul style="list-style-type: none"> ■ Aish Technologies ■ Alcoa Defense ■ AmSafe ■ Ares Security Vehicles ■ BAE Systems ■ Barco ■ Bertel O. Steen Spesialkjoretoy AS ■ Beth-El Zikhron ■ Yaaqov Industries ■ BMT Isis ■ Booyco Engineering PTY ■ Caterpillar Defence Products ■ C E Niehoff ■ Chaiseri Metal & Rubber Co. Limited ■ Cinch Connectors ■ CMI Defence ■ Curtis Wright ■ DCM Design ■ DEIHL Defence ■ Land Systems ■ DEW Engineering & Development ■ DRS Environmental Systems ■ DSM Dyneema ■ Du Pont ■ Dynamit Nobel Defence ■ EKA ■ Elbit Systems Land and C4I ■ Farymann Diesel ■ FFG | <ul style="list-style-type: none"> ■ FN Herstal ■ General Dynamics Land Systems ■ Greaves Cotton ■ Honeywell ■ Horstman Defence System ■ Hutchinson Brasil Automotive ■ Hutchinson Defence & Security UK ■ IAI ■ Image Precision ■ IMCA Elektronik ■ iRobot Corporation ■ ITT Corporation ■ Iveco Defence Vehicles ■ Jankel ■ JCB Defence Products ■ Jeep ■ Kent Modular Electronics ■ Kent Periscopes ■ Kongsberg Defence Systems ■ KTK ■ Lockheed Martin ■ Lorica ■ Lumi Glass Industries ■ Mahindra ■ MBDA UK Limited ■ Meggitt Training Systems ■ METRAVIB ■ Millbrook Proving | <ul style="list-style-type: none"> ■ Ground ■ Milspray ■ MJ Services ■ MTU Friedrichshafen ■ Nexter Systems ■ NIMR ■ NP Aerospace ■ OBRUM ■ ODERBRECHT ■ Optex Systems ■ Osprea Logistics ■ Palomar Display Products ■ Panair International ■ Patria Land Systems ■ Pearsons Engineering ■ Plasan ■ PPG Aerospace ■ PRACT ■ Proengin ■ Prox Dynamics ■ QinetiQ ■ Rafael Advanced Defence Systems ■ Raytheon ■ Renault Trucks Defense ■ Rheinmetall Waffe Munition ■ Ricardo ■ RUAG Defence ■ SAAB ■ Sagem Défense Sécurité | <ul style="list-style-type: none"> ■ Saxon Armor ■ Schaublin ■ SCHOTT ■ SCHROTH Safety Products ■ Secomak ■ Selex ES ■ Shield Technologies Corporation ■ Sika Services ■ Singapore Technologies Kinetics ■ Soucy Defense ■ SpanSet ■ Stream Environmental ■ Streit Group ■ Stromsholmen AB ■ ST Engineering ■ Tata Motors ■ Tencate ■ Textron Systems ■ The Will-Burt Co ■ TriMark Europe ■ Thales ■ Timoney Technology ■ TNO Defence ■ Transhield Inc. ■ Tyron Runflat Limited ■ Universal Engineering Group ■ Vital Seating and Systems ■ Warn Industries ■ Xtreme Concepts ■ Yugoimport SDRP |
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2015 EVENT HIGHLIGHTS

The **International Armoured Vehicles 2015** event saw the leading edge of armoured vehicle integrators, component manufacturers, high ranking military officials, internationally renowned speakers and authorities gather for the community's annual landmark event.

Lt. Gen. (ret.) Sir Gary Coward, the UK's former Chief of Materiel (Land), opened proceedings by noting that investment in defence R&D particularly within the context of developments in Eastern Europe, the Middle East and North/West Africa should remain a critical priority for governments.

Philip Dunne, UK Minister for Defence Equipment, Support and Technology, built on this theme, remarking that, in an age when we face a kaleidoscope of threats...our armed forces will continually be called upon. The imperative to maintain a battle fleet of vehicles is as complicated as ever.

Lt. Gen. Michael Williamson, Principal Military Deputy to the Assistant Secretary of the Army for Acquisition, Logistics and Technology, DoD, stated that we in the United States see armoured vehicles as key to future operations.

Other keynote briefings were provided by the **French Army's Brig. Gen. Charles Beaudouin** on the country's armoured vehicle modernization progress, and **Lt. Gen. Ben Hodges, Commanding General of U.S. Army Europe**, who announced plans to station equipment in Eastern Europe in response to Russia's illegal annexation of Crimea.

Meanwhile, the **annual G6 industry panel debate** saw executives from **Textron Systems, Nexter Systems, BAE Systems Hagglunds, IVECO, Milspray and RUAG Defence** discuss the current trends in design and how these will translate into future programmes, as well as the use of hybrid drives and current guidance for governments.

Coward summarised the themes of the conference as **balance, partnership and affordability**. This was particularly noted against the backdrop of a cooler Eastern Europe and the critical need for partner nations to maintain robust and effective armoured vehicle capabilities.

“ **The whole event was extremely well organised and ran very smoothly; the perfect mix of debate and defence industry.** ”

Colonel David Swann MBE,
British Army

FOCUS DAY: MODERNISATION, RETROFIT & MRO

25TH JANUARY 2016

08:30 **Morning Registration**

08.50 **CHAIRMAN'S OPENING REMARKS**

09.00 **THE IMPORTANCE OF MAINTAINING EQUIPMENT AND MODERNISING THE FLEET IN ORDER TO MEET COMMITMENTS TO UN AND REGIONAL PEACE SUPPORT MISSIONS**

- The importance of investing in armour in the context of the Peace Support missions
- Experience and use of the Piranha I 4x4, 6x6 and 8x8 vehicles by the Army of Ghana
- Maintenance and upgrade plans for the existing APC fleet as part of a wider effort in modernising the capabilities of the Army
- The future threat environment and expected mission set to develop the requirements for further investment in protected mobility



Major General Richard Opoku-Adusei, *Chief of Staff, Ghana Army*

09.30 **DIGIPACK: UPGRADE ANY VEHICLES WITH FIRST LEVEL DIGITISATION TO DELIVER ESSENTIAL CAPABILITIES TO LAND FORCES**

- Connectivity with simultaneous voice data exchanges
- C5i kit for shared situational awareness and force coordination
- Enhanced protection of crew members

Laurent Letellier, *Product Line Manager – Defense C4I, Thales Communications & Security*

THALES

10.00 **JORDANIAN ARMORED VEHICLES MODERNIZATION**

The King Abdullah II 3rd Armored Division is equipped and trained for high intensity combat operations against militarily organized enemies as well as peacekeeping missions.



Brigadier General Juma'h .T. AL Hrouf, *Commanding General, 3rd Armored Division, Jordanian Armed Forces*

10.30 **Morning Coffee**

11.00 **ASSESSMENT OF MODIFICATION REQUIRED TO CORE EQUIPMENT FOR PEACE SUPPORT OPERATIONS**

- Retrofitting to improve the effectiveness of Armoured Fighting Vehicles (AFVs) deployed in African Peace Support Operations (PSOs)
- Understanding of Threat Dynamics for appropriate equipment selection; Strategy of irregular warfare Insurgency and terrorism; Employment of Improvised Explosive Devices (IEDs); Rocket Propelled Grenades (RPGs)
- Zambian Vehicle overview; BRDM-2 and WMZ 551 WAV and their 5 Key capabilities; Armoured car capability or High-Mobility Combat Capability; MBT capability or High-Intensity Combat Capability; Counter-Armour capability; Armour reconnaissance capability; Strategic landward lift capability
- Upgrades required on AFVs to meet emerging threats in PSOs



Brigadier General Jack Sinyangwe, *Chief of Policy, Doctrine and Strategic Branch, Zambian Army*

11.30 **OPTEX SYSTEMS INDUSTRY SHOWCASE**

Optex Systems, Inc. started in 1987 with a team of optical and mechanical engineers who have since earned a reputation for delivering the most reliable and high-quality systems available while reducing the total cost of ownership.

Optex products are delivered through prime contractors,

direct government buyers, and are installed on a variety of military vehicles both land and sea. These products have earned a reputation for world-class field performance. Optex products and services are widely known within our customer organization, and are viewed as the optical standard within our industry.



12.00 **PANEL DISCUSSION: GENERIC VEHICLE ARCHITECTURE: INTELLIGENTLY RETROFITTING LEGACY AND NEW COTS VEHICLES TO ENSURE AVAILABILITY FOR FUTURE REQUIREMENTS AND DIVERSE MISSION SETS**

As the main focus for new generations of armoured fighting vehicles is to become increasingly digitalised with enhanced capabilities and enabled rapid deployment, significant considerations must be made on how legacy vehicles that form the majority of the fleet are kept at pace with the new technologies and mission subsystems being developed. Without such considerations, cross-fleet missions may have a number of associated risks in terms of legacy platforms availability.

- Standardisation with modular and open electronic architectures presents a solution to having a platform 'ready for deployment' but how easy or feasible is this from technology and finance to fit the legacy fleet accordingly
- Drawing on the lessons of the Generic Vehicle Architecture (GVA) and NATO GVA, it is the aim of our panel to investigate intelligent approaches to retrofitting legacy vehicles alongside new platforms and support cross-fleet missions
- Buying Commercial Off the Shelf (COTS) is often the stated policy of MoDs, what are the implications for non-GVA compliant architectures on the market?
- Examining COTS requirements to change and conform to the GVA /NGVA standard and what are industry doing about this?

Moderated by:

Merfyn Lloyd, *Former Chief Science Officer, DE&S*

Discussants:

Professor Elias Stipidis, *Director, Vetronics Research Centre*

Dr William Suttie, *Land Equipment Science Gateway, DSTL*

Ian Burch BSc(Hons) CEng MIMechE MAPM, LE PEng

Open Systems Assistant Head, DE&S

Antony White, *Director of Advanced Technology, Ultra*

Electronics - PRECISION AIR & LAND SYSTEMS

Questions open to the floor

13.00 **Lunch**

14.00 **UPGRADING MALAYSIAN VEHICLES: DESIGN, DEVELOPMENT AND TRIALS**

- How to balance between levels of protection and crew situational awareness: Key considerations of hull shape, systems design and internal configuration
- Affordable, active IED counter-measures are now mission critical on Protected Mobility Platforms
- Suggested processes for integrating the user early and entertaining soldier inspired modifications
- Trials as an offset for the availability of UOR equipment during pre-deployment training, operations, maintenance and logistics
- Enhancing military-industry cooperation by putting the requirement into context and understanding the concept



Dr. Yazid Ahmad, *Director Mechanical & Aerospace Technology Division (STRIDE), Malaysian MoD*

FOCUS DAY: MODERNISATION, RETROFIT & MRO

25TH JANUARY 2016

14:30 **INTEGRATING A CONFIGURABLE POWER MANAGEMENT SYSTEM; ENHANCING YOUR FLEET'S CAPABILITIES**

Tom Spinks, Land Product Manager, EnerSys



15:00 **EXAMINING STRATEGIC TRENDS IN ARMoured VEHICLES IN ORDER TO UNDERSTAND PAST OBSOLESCENCE AND FUTURE AREAS FOR FUTURE PROOFING**



Brigadier (Ret'd) Ben Barry, Senior Fellow for Land Warfare, International Institute for Strategic Studies

15:30 **Afternoon Coffee And Networking**

16:00 **CHANGES OF NATO MEMBER STATES' FLEETS TO COMPLIANCE STANDARDS AND THE EFFECT ON LIFE CYCLE MAINTENANCE**

- Beyond supply and maintenance: Technical assistance, configuration management and training
- How reduction of transport cost can be achieved for the customer state
- Managing strategic on-site support and engineering services to keep member forces operational
- Thoughts on the future recyclability of demilitarized and disposed of platforms
- MRAP/Leopard case studies



Ian Bonallo, Chief of Maintenance, NATO Support Agency

16:30 **TESTING VEHICLES & COMPONENTS AFTER REFURBISHING / UPGRADE / REPAIR**

David Ganzhorn, Vice President, Mustang Advance Engineering



17:00 **ASSESSING THE BENEFITS OF RETROFIT VERSUS NEW PROCUREMENT IN ORDER TO OPTIMISE FUTURE FORCE STRUCTURE AND FLEET MAKEUP**
SESSION RESERVED FOR:



Lieutenant General Leonard M Ngondi, Kenya Army Commander, Kenya Defence Force*

17.30 **CHAIRMAN'S SUMMATION**

18.00 **Ice Breaker Drinks Reception**



An excellent opportunity to break the ice, network and build relationships ahead of the main conference.

Contact Amar Karia if you are interested in hosting this networking event on the eve of the first day. Amar Karia, Head of Armoured Vehicles Portfolio, Defence IQ



MAIN CONFERENCE DAY ONE

26TH JANUARY 2016

07:15 **Morning Registration and Coffee**

08.15 **CHAIRMAN'S OPENING REMARKS**



Lieutenant General Sir Gary Coward KBE CB,
Former Chief of Materiel (Land) & Quartermaster General

08.30 **AMC RESEARCH AND DEVELOPMENT: PROVIDING MATERIEL TO THE U.S. ARMY**

Commanding General's statement: "AMC will continue to be a global logistics command that not only responds to the needs of today's war fighters but anticipates the future and provides the advanced equipment and materiel solutions that will ensure our Army remains the most dominant land power force the world has ever known."

AMC'S MAJOR SUBORDINATE COMMANDS:

- Army Contracting Command
- Army Aviation & Missile Command
- Army Sustainment Command
- Communications-Electronics Command (LCMC)
- Joint Munitions Command
- Joint Munitions & Lethality Life Cycle Management Command
- Military Surface Deployment & Distribution Command
- Tank-armaments & Automotive Life Cycle Management Command
- Research, Development & Engineering Command
- U.S. Army Security Assistance Command



General Dennis L Via, *Commanding General, US Army Materiel Command, US Army*

09.00 **HOST NATION INTERACTIVE QUESTION AND ANSWER SESSION**



Major General Robert Talbot-Rice, *Head of Armoured Vehicle Programmes, DE&S*

Questions are currently being collected to put to the General. If you have a questions you would like to raise please do get in contact with the Conference Director Alexander.Stephenson@iqpc.co.uk

09.30 **THE FUTURE ARMoured VEHICLE MARKET: BEING SHAPED MORE FROM THE OUTSIDE THAN FROM THE INSIDE**

Textron Marine & Land Systems designs, produces and supports advanced wheeled combat vehicles and cutting-edge maritime craft used by U.S. and international armed forces, as well as civilian entities around the globe. Its COMMANDOTM family of armoured vehicles offers a full range of vehicle options delivering enhanced survivability, mobility, lethality and sustainability. Textron Marine & Land Systems' innovative turret technology and related subsystems also deliver outstanding performance and reliability. Textron Marine & Land Systems is an operating unit of Textron Systems.

Kevin J. Kennedy,
Vice President, International Business Development,
Textron Systems Corporation*

TEXTRON Systems

10.00 **ASSUMING FULL SECURITY RESPONSIBILITIES: WHAT ARE THE EXPECTATIONS OF ARMoured SUPPORT?**

- Role and effectiveness' of armoured forces especially in the south
- Current gap of armoured capabilities after the drawdown of ISAF forces
- Effectiveness of armoured vehicles in the strike force structure
- Mobile Strike Force (MSF) Vehicles types; Ghala Baze MSF Vehicle; Ghala Dar MSF Vehicle; MSF Ambulance Vehicle
- The MSF Vehicle is viewed as a capable platform for the current operating environment and in support of other ANSF elements.
- The MK19 equipped MSFV provides a lethal capability for operations against the enemy.
- The MSFV has an acceptable resistance to SAF, RPG and IED attack.



H.E. General Qadam Shah Shaheem, *Chief of General Staff, Afghan National Army &*



Major General Payenda Mohammad Nazim, *Inspector General, Afghan Ministry of Defence*

10.30 **Morning Coffee**

11.15 **THE ROYAL MARINES' AMPHIBIOUS CAPABILITY**



Brigadier Richard Spencer, *Deputy Commandant General, Royal Marines*

11.45 **COMBAT VEHICLE CAPABILITIES FOR THE 21ST CENTURY**

Per Samuelsson,
Deputy Director, Business Development,

BAE SYSTEMS

12.15 **PANEL DISCUSSION: G9 INDUSTRY SHOWCASE**

This panel discussion invites OEMs and key industry players to debate the topics currently driving the community. Proposed questions for panellists include:

- What are the current trends in vehicle design and how will these translate into future programmes?
- OEM partnership models and local content: What are the offerings and benefits?
- Government-government sales and the role industry can play in maintaining capability
- Homogenising fleets and cost efficiencies for the procurer: Examples, facts and future thinking

TEXTRON SYSTEMS | BAE SYSTEMS HAGGLUNDS | ST KINETICS | NEXTER SYSTEMS | GENERAL DYNAMICS LAND SYSTEMS | RHEINMETALL DEFENCE | PATRIA | MILSPRAY | RUAG Defence



13:00 **LUNCH**

MAIN CONFERENCE DAY ONE CONTINUED

PROTECTION STREAM

Chaired by:

Lieutenant Colonel (Ret'd) Alan Bolster,
Former Director of Land Requirements,
Armoured Fighting Vehicle Systems,
Department of National Defence Canada

14.00

WHAT ARE THE REAL PRIORITIES FOR FUTURE ARMOUR SYSTEMS?

- Lower weight, reduced bulk and lower cost are obvious requirements, but is this all?
- What are the factors that make armour developments viable and result in real benefits?
- Migrating technical developments into practical applications in a return to contingency.
- Electric armour as a viable future system?



Bryn James,

Head - Armour & Protection
Science & Technology Centre, Dstl

14.30

MISSION SPECIFIC SURVIVABILITY: THE ROLE OF REVERSIBLE SOLUTIONS IN SECURING FORCE AGILITY

Armed forces find themselves needing to be ready for more eventualities with less resources. RUAG Defence explores how survivability can be secured across a wider range of mission types and vehicle fleets, through the use of an innovative holistic approach to protection. This approach brings together complex technology with modularity, achieving reversible solutions for agile forces

Together
ahead. **RUAG**

Lars Brühlmann,

Vice President
Strategy &
Technology,
RUAG Defence

15.00

GROUND FORCES COMMAND WEAPON DEPARTMENT: TROPHY ACTIVE PROTECTION SYSTEM (APS)

- Active protection systems: First operation impressions
- From dream to reality: Integrating the system into ground forces
- 'APS' as a significant leap in ongoing development
- Operational conclusions from the recent conflict in the Gaza Strip
- Supporting armoured vehicles survivability technologies



Israel Defence Force

FIREPOWER STREAM

Chaired by:

Lieutenant General Sir Gary Coward
KBE CB, Former Chief of Materiel (Land)
& Quartermaster General

BRITISH ARMY KEYNOTE ADDRESS



Brigadier Ian Gibb,

Director Combat Capability,
British Army Headquarters

WEAPON SYSTEMS: IS BIGGER BETTER?

CMI Defence is the partner of land armed forces through the provision of integrated weapon systems (20-120mm) and related solutions. Independent of any and all vehicle manufacturers, it is the undisputed leader in multifunctional, high-power weapon systems for light and medium weight armoured vehicles.



Patrick Langlois,

Vice President of
Marketing,
CMi Defence

ENHANCING FIREPOWER THROUGH LEOPARD 2 A7 AND AIFV PUMA MODERNISATION

- DEU Army in a Joint Environment
- DEU Army Concepts and Capabilities
- Development Centre - COLOGNE (AC&CDC)
- Conceptual Development of Armoured
- Vehicles
- Modernisation/Future Projects
- Trends – Visions



Brigadier General

Bernhard Liechtenauer,
Chief of Staff and Deputy Director,
Army Concepts and Capabilities
Development Centre,
German Army

MOBILITY STREAM

Chairman TBC

THE ITALIAN APPROACH TO ARMoured VEHICLES FOR ARMY UNITS

- Future operational environment
- Reconnaissance Cavalry units of Italian Army
- Italian reconnaissance wheeled vehicles
- Future developments
- Conclusions



Major General

Francesco Paolo Figliuolo,
Chief of Logistics Department,
Italian Army General Staff

PMMC G5 - A NEW DIMENSION OF ARMoured COMBAT SUPPORT VEHICLES

- Who is FFG
- Concept PMMC G5
- Protection
- Variants



Kay Dittloff,

Project Manager
PMMC G5 / APC G5,
FFG

JLTV PROGRAM UPDATE

- Overview of key lessons learnt that helped achieve program success in times of austerity
- Payload performance protection trade-offs
- Low-rate initial production and demonstration phase - the anticipated figures and timelines



Colonel Shane Fullmer,

Joint Light Tactical Vehicle Joint
Program Office Manager,
US Army

MAIN CONFERENCE DAY ONE CONTINUED

PROTECTION STREAM

15.30 THE ART OF DECEPTION: STAY COOL, ACT FIRST

With over 50 years of experience in signature management, Saab Barracuda is the natural partner for survivability and operational Energy Savings solutions, regardless of whether you are looking for the best protection of your soldiers, vehicles or a fixed installation.



SAAB

Mr Niklas Alund,
*Director Marketing and Business Development, Saab Barracuda**

FIREPOWER STREAM

40MM CTA: AN OPERATIONAL REALITY

nexTER **Mike Duckworth,**
Executive VP International Affairs, Nexter

MOBILITY STREAM

RUBBER BAND TRACK FIELD PERFORMANCE

- Rubber Band Track designed for higher weight Armoured Vehicles
- Rubber Band Track battlefield maintenance
- Integrated Logistic Support (ILS) solutions



Hugo Torstensen,
Business Development Manager, Soucy Defense

16.00

Afternoon Coffee and Networking

16.30 NORWEGIAN CV90 UPGRADE/ EXTENSION PROGRAM

- Upgrade/extension program of CV90. using the current CV9030N IFV as a base
- The program will deliver a number of 5 new variants of CV90 to the Army:
 - Infantry Fighting Vehicle
 - Combat Command Post Vehicle
 - Armoured Reconnaissance Vehicle
 - Armoured Mortar vehicle
 - Combat engineer vehicle



Major Per Kleiven,
CV90 Programme Manager, Norwegian Armed Forces

MOUNTED COMBAT: THEMES FOR FUTURE CAPABILITY

- How does Mounted Close Combat capability fit in the new Army 2020 structure?
- How should the combat arms evolve to deliver the required capability following the recent focus on mission specific requirements?
- How does the Army plan to re-invest in Mounted Close Combat over the next 10 years?
- How could the British Army achieve a more balanced, agile contingent force?



Dr Mike Dalzell,
Capability Advisor: Mounted Close Combat, Dstl

AN OVERVIEW OF THE BRAZILIAN ARMY'S NEW RECONNAISSANCE VEHICLE



Brigadier General Guido Amin Naves,
Chief of the Project Management Office, Brazilian Army

17.00

NEW THREATS - NEW PROTECTION NEED FOR INTEGRATED SURVIVABILITY COMBINED WITH ADVANCED PROTECTION TECHNOLOGIES

- Threat development
- Vehicle Integrated Survivability
- New protection technologies



Gero Voss,
CEO, IBD Deisenroth Engineering

INCREASING THE LETHALITY AND EXTENDING THE RANGE AND REACH OF MEDIUM WEIGHT PLATFORMS

- Engineering, Land Platform Integration, Human Factors, Integrated Survivability, Test and Evaluation

Peter Pietralski,
Director Research Engineering, Lockheed Martin UK – Ampt Hill

LOCKHEED MARTIN



BATTLE FIELD REQUIREMENT INFLUENCES MOBILITY DESIGN'

Texelis is a developer and manufacturer of high-performance axles and powertrains destined for use in heavy-duty vehicles, especially those used for public transport (underground railways, trams, buses and cars), defence (trucks and armoured vehicles), rescue (fire engines), building (construction equipment).



Jean Vandel,
Director, Business Development, Texelis

MAIN CONFERENCE DAY ONE CONTINUED

17:30 FIGHTING ON WHEELS. THE WAY AHEAD



Brigadier General Rajmund Andrzejczak,
Deputy Commander and Chief of Staff,
12 Szczecin Mechanised Division*

18:00 MILITARY VEHICLE ADAPTABILITY TO COPE WITH DIVERSE THREATS & ENVIRONMENTS

- The nature of warfare is constantly changing exposing customers to diverse operational environments and rapidly changing threat scenarios
- Military vehicle systems have typical life cycles of 20-30 years and need to adapt rapidly to these diverse threats and environments many times during their life
- Consideration of the need for a vehicle system to adapt through life is critical to the continued operational utility of a vehicle system
- Examples will be provided from the Rheinmetall Defence portfolio of how adaptability has been considered in the design of our military vehicles

Ben Hudson, CEO Rheinmetall Land Systems,
Rheinmetall Defence



18:30 STRATEGIC UPDATE ON THE CURRENT SITUATION IN UKRAINE

Ukrainian acting President Oleksandr Turchynov appointed Lieutenant-General Anatoly Pushnyakov as the commander of the Ukrainian Ground Forces in May 2014. He will deliver an authoritative and strategic level update of current developments in the security situation of Ukraine.



Lieutenant-General Anatoliy Pushnyakov,
Commander of Ground Forces,
Ukrainian Armed Force

19:00 CHAIRMAN'S CLOSING REMARKS



Lieutenant General Sir Gary Coward KBE CB,
Former Chief of Materiel (Land) & Quartermaster General

19.05 END OF DAY ONE AND START OF RUAG DEFENCE DRINKS RECEPTION

Together
ahead. **RUAG**



20.05 TEXTRON SYSTEMS GALA DINNER

The Gala Dinner is limited to 200 attendees and strictly by invitation only.

TEXTRON Systems



*Denotes speaker subject to confirmation



MAIN CONFERENCE DAY TWO

27TH JANUARY 2016

08:30 MORNING REGISTRATION

08:50 CHAIRMAN'S OPENING REMARKS



Lieutenant General (rtd.) Sir Gary Coward KBE CB,
Former Chief of Materiel (Land) & Quartermaster General

09:00 USMC GROUND COMBAT AND TACTICAL VEHICLE PORTFOLIO AND STRATEGY



Colonel John B. Atkinson, Director, Fires and Maneuver Integration Division, CD&I, HQ United States Marine Corps

09:30 Developing Future Capabilities - Ops-Tech Integration

Singapore Technologies Kinetics Ltd (ST Kinetics) is the land systems arm of ST Engineering. They are one of Asia's leading land systems and specialty vehicles companies, with revenue of over SGD1.4 billion in FY2014 and a comprehensive portfolio of products and services for the commercial, defence and homeland security markets. ST Kinetics capabilities cover the full spectrum value chain of system design and development, integration, manufacturing, aftersales support and through-life management.

Mr Winston Toh,
Chief Marketing Officer,
ST Kinetics



10:00 MECHANISED TROOPS - THE FINNISH PERSPECTIVE

- Finland's threat analysis; regional challenges and international commitments
- The structure and make up of the mechanised force
- Rationale for rapid reaction units (RRUs) to strengthen operational readiness and bolster defence and deterrence capabilities
- Bilateral cooperation in exercises, education, and training for in the area of winter training and mechanised units as well as in common use of training facilities, logistics and material procurement
- Future plans, procurements and capability generation



Lieutenant General Seppo Toivonen,
Commander,
Finnish Army

10:30 PATRIA AMV - THE BATTLEFIELD PROVEN SOLUTION FOR MODERN ARMIES

- Patria Land – Enduring passion of fulfilling customers' needs and expectations
- Patria AMV – established international success with continuous evolution
- One size does not fit all – Flexibility through AMV modularity and Patria business models

Jarkko Savenius,
Marketing Manager,
Patria Land

Patria

11:00 Morning Coffee and Networking Break

11:30 STRYKER PROGRAM MANAGER UPDATE

Stryker is a family of eight-wheel-drive combat vehicles, transportable in a C-130 aircraft. Stryker is based on the GDLS Canada LAV III 8x8 light armoured vehicle, in service since early 2001.

PM Stryker Brigade Combat Team (SBCT) provides proven acquisition, development, and sustainment of the Stryker Family of Vehicles (FoV) that afford the Warfighter quick response maneuvering, enhanced survivability and lethality, expanded fight versatility, and proven tactical agility. The sustainment of the Armored Security Vehicle and Armored Knight FoV is also management under PM SBCT.



Colonel Glenn A. Dean,
Stryker Program Manager,
US Army

12:00 SESSION RESERVED FOR GENERAL DYNAMICS LAND SYSTEMS

GENERAL DYNAMICS

12:30 THE TARDEC PERSPECTIVE



Colonel Kevin A. Vanyo,
Military Deputy,
TARDEC

13:00 Networking Lunch



MAIN CONFERENCE DAY TWO

27TH JANUARY 2016

SURVIVABILITY STREAM

Chaired by:

Christopher F Foss, *Editor, IHS Jane's Armoured Fighting Vehicles and IHS Jane's Land Forces Consulting Editor*

14.00

FUTURE COMBAT VEHICLE – THOUGHTS, VISION AND CHALLENGES

- Overview of the FCV; project time lines and milestones
- Characteristics required of an Armoured Vehicle for the Complex Battlefield
- Threats involved confronting hybrid organisations: Terrorists Guerrilla & Military
- Network Centric Warfare – protection and situation awareness in a network centric environment



Israeli MoD

14.30

GET THERE SAFELY AND IN WARFIGHTING CONDITION

- Saving Lives and Reducing Injury Levels from IEDs, Rockets, and Operational Accidents is About More Than Just Armour
- Armour is important, but what goes on inside the vehicle is critical.
- New seating and restraint technologies save lives, reduce injuries and cut fatigue. They are the Game Changers.
- Result: Mission success; improved morale; lower costs; attained strategic deliverables



David Kiernan,
*Managing Director,
Global Seating Solutions*

15.00

THE MRAP REQUIREMENT AND PROGRAMME DELIVERY FOR FUTURE OPERATIONS



Colonel Ales Vodehnal,
*Director, Land Forces
Development Dept., General Staff,
Czech Republic Armed Forces*

INFORMATION STREAM

Chaired by:

Lieutenant General Sir Gary Coward
*KBE CB, Former Chief of Materiel (Land)
& Quartermaster General*

SCORPION MODERNISATION FOR THE INFORMATION BATTLESPACE

- Modernisation of the LECLERC tank inside the SCORPION program
- The architecture of the SCORPION armoured reconnaissance and combat vehicle JAGUAR
- Lessons learned from MALI
- Perceived future operating scenarios



Brigadier General Charles Beaudouin,
*Director Technical Section,
French Army*

PD VEHICLE RECONNAISSANCE SYSTEM, NANO-SENSORS FOR MOUNTED OPERATIONS

- New dimension of situational awareness for vehicle operations
- Bridging the gap between aerial and ground based sensors
- Easy integration and launch/land



Jarl Eirik Straume,
*Vice President,
Prox Dynamics*

UPGRADES TO AUSTRIAN C4ISR AND SITUATIONAL AWARENESS

- Modification of PANDUR
- Midlife update to ULAN
- Remote Controlled and NLC Weapon Stations
- Multi-spectral protection
- Sensors integration
- C-IED Jamming Kit
- Situational awareness (cameras)
- Laser Warning and Shot Detection Kits



Brigadier General Norbert Huber,
*Director Armament and
Procurement,
MoD Austria*

SPECIALIST VEHICLE STREAM

Chairman TBC

COUNTER-POACHING MISSIONS AND VEHICLE REQUIREMENTS

- Overview of the BDF Fleet
- Examination of the terrain, logistical and operational requirement for specialist vehicles in CP missions
- Protecting the Khama Rhino Sanctuary, no poaching for the past 24 years
- Importance of maintenance and maintainability in remote environments



Brigadier General Simon Barwabatsile,
*Commander 3 Brigade Group,
Botswana Defence Force*

APPLICATION OF ELECTRIC AND HYBRID DRIVES IN LIGHT AND ULTRALIGHT TACTICAL VEHICLES

- Unique benefits of electric and hybrid drivetrain vehicles
- Integration and operational solutions
- Light and ultra-light vehicle applications



Military Technologies
GSA Contract Holder Certified Small Business

Joseph Gerschutz,
*Director of
Engineering,
Milspray Military
Technologies*

RANGE OF VEHICLES IN SUPPORT OF OUR INFANTRY BRIGADE COMBAT TEAMS

- Ground Mobility Vehicle
- Light Reconnaissance Vehicle
- Mobile Protected Fire-power



Ted Maciuba,
*Deputy Director, Mounted
Requirements,
US Army Maneuver Center of
Excellence*

MAIN CONFERENCE DAY TWO CONTINUED

BLAST PROTECTION STREAM

15.30

PLATFORM INTEGRATED SURVIVABILITY

- How do we ensure survivability, as far as realistically practical, within the constraints of size, weight, power and cost?
- Understand the threats to the platform
- Inform, through analysis, capability trades
- Provide survivability solutions in support of current operations
- Enhance protection to personnel and assets in operational bases
- Enhance protection of platforms and their occupants
- Develop enabling analytical techniques in protection modelling
- Develop the fundamental understanding of threat mechanisms and protection solution interactions
- Support development of the generic vehicle architectures

 **Tim Jones**, *Vehicle Systems Team Leader, QinetiQ*

Dr Mark French, *Principal Engineer Vehicle Survivability, QinetiQ*

INFORMATION STREAM

KEY DIFFERENTIATORS AND TECHNOLOGY OPTIONS FOR ARMoured VEHICLE DISPLAYS

- Requirements Definition E-commerce-based Decision Making Define the Need, not the Availability
- Industrial and Custom Display Differentiators
- Near Term Cost vs. Through Life Cost



Jamie Boulet,
Manager,
American Panel Corporation

SPECIALIST VEHICLE STREAM

HYBRID MILITARY VEHICLE R&D RESULTS

- Lessons to increase the fuel efficiency rate
- Control systems to optimise electric power
- Implications of the test data for military applications of hybrid electric vehicles



Dr Dong Hyun Kim,
Director for Mobility & Automotive R&D, Agency for Defense Development, Republic of Korea

16.00

Afternoon Coffee and Networking

16.30 THE FUTURE DEVELOPMENT OF GHANA LAND COMPONENT

- Overview of the Ghana Armed Forces
- The role of the land component
- Current priorities of the Ghana Army
- AV-specific considerations, upgrades and procurements
- Regional threat assessment in Ghana and the wider region including asymmetric threats and Boko Haram



Vice Admiral Mathew Quashie, *Chief of Defence Staff, Ghana Armed Forces*

17.00 MANAGING THE COGNITIVE BURDEN PLACED ON THE MOUNTED CLOSE COMBAT SOLDIER

- Why is Information Overload an issue
- Complex Systems
- General trainability vs. Cognition
- How we process information



Lieutenant Colonel Jak Walker, *Commanding Officer, ATDU, British Army Headquarters*

17.30 NEW DEVELOPMENTS IN RUSSIAN ARMOUR

- Russia recently displayed new tracked and wheeled AFVs now being trialled Russian Army.
- Including: T14 Armata MBT, T15 HIFV, Kurganets 25 IFV, Boomerang (8 x 8) APC, Coalition 152 mm self-propelled artillery system, Tigr (4 x 4) with anti-tank guided weapons
- Current Russian tracked and wheeled AFVs
- Planned upgrades to these vehicles
- Latest Russian AFVs developments
- Russian airborne forces and their equipment including BMD-4M, 2S25 SPRUT SDM1 125 mm SPATG and the BTR-MDM airborne APC



Christopher Foss, *Editor of Jane's Armour & Artillery, Janes Defence Weekly*

18.00 END OF DAY TWO



MEET THE TEAM



Alexander Stephenson
IAV 2016 Director



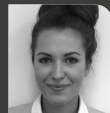
Amar Karia
Head of Armoured Vehicles Portfolio



Demetri Skinitis
Government & Military Liaison Manager



Elizabeth Crawley
Senior Operations Manager



Phoebe Walker
Senior Operations Manager



Jane Cook
Marketing Manager

ABOUT DEFENCE IQ



Defence IQ is host to a series of global events and runs an online community of military and private sector professionals. We provide the platform on which leading defence experts share their experience, knowledge and strategic thoughts.

We are dedicated to providing military personnel and the private sector with strategic defence resources covering current defence issues.

Join the community: www.defenceiq.com/join.cfm

*Denotes speaker subject to confirmation

POST-CONFERENCE WORKSHOP DAY

28TH JANUARY 2016

WORKSHOP A: THE COGNITIVE BURDEN AND THE MOUNTED CLOSE COMBAT SOLDIER

09.00 **Registration and Coffee**

09.30 **How the mind works/
Cognition**
Dr Karen Carr

10.00 **Ajax Experiment and
Information Overload**
Al Roan & Maj Sloan

10.30 **Networking Coffee Break**

11.30 **Round Table Discussions**

*What technical approaches can
be taken to manage the burden?*

*Cognitive Burden vs Information
Overload.*

*Implications of standardised
architecture vs Individual menu
choice.*

Burden sharing and automation.

13.00 **End of Workshop and Lunch**

Led by **British Army Armoured Trials
and Development Unit**



The Armoured Trials and Development Unit is based in Bovington in Dorset. Bovington has been the home of the Royal Armoured Corps since the first World War and, in the last 10 years, its role has expanded such that it is now responsible for all armoured vehicle training in the Services.

As platforms have become increasingly complex, the cognitive burden on AFV crews has increased in equal measure. The British Army looked at the issue in a number of experiments in 2015 and views the precept as an important, but oft-overlooked part of AFV design.

The British Army's Armoured Trials and Development Unit will be running a 3 hour workshop to discuss the issues. They will be joined by industry and academic partners that have helped them to carry out ground-breaking research in the area:

- **What is, and isn't being done about lessening the burden for the soldier?**
- **There are significant implications for both industry and military. What are they?**
- **How will this change expectations and the user requirement in the future?**
- **Where is the tipping point for automation and how will this affect the role of the future operator?**
- **What training consequences has system complexity introduced and what is the solution?**

Beyond conducting trials and experimentation tasks, ATDU represents the user community and provides an armoured perspective on operations, preparation for deployment, maintenance, logistics and training. The unit also offer specialist armoured advice and support for other users. They are the key influencer for the UK's equipment programme and work side-by-side with DE&S and Land Capability to deliver armoured capability for the UK.

Join us to discover the findings of the experiments- findings that will shape the future systems design requirement and training programmes for operators. If you are a systems design specialist, OEM or training solution provider, this information will be mission-critical for your product strategy as industry works towards sustaining a user-friendly environment for the future vehicle operator.



PARTNERSHIP OPPORTUNITIES AT INTERNATIONAL ARMoured VEHICLES 2016

FIVE WAYS YOU WILL BENEFIT FROM OPPORTUNITIES AT THE CONFERENCE

- 1** Benefit from personal on-site introductions from our team, allowing you to identify key VIPs that you want brought to your exhibition stand
- 2** Position your products in an academic, technical and operational context; greatly enhancing your ability to pitch your product to the community
- 3** As a partner you will be able to reach prospects that can experience your product capabilities in a more time and cost effective manner than individual sales calls or visits
- 4** Increase your face-to-face networking and raise awareness while learning business winning insight in the area of AV
- 5** Partnering at IAVs has been proven to increase sales, build prospect lists and improve market awareness by positioning yourself as thought leaders in the domain



International Armoured Vehicles balances the unique advantages of a superbly attended, high-level conference; large exhibition space complete with static displays and a comprehensive range of OEM and sub-system suppliers. These features allow your organisation to simultaneously place your products into an academic, technical and operational context, thus greatly enhancing your ability to put your product to the community.

Sponsoring an event makes people remember you. Event and face-to-face networking is one of the most effective marketing tools that you can have in your armoury. No other medium stimulates the senses like a conference and exhibition - sponsoring and exhibiting at a live event has been proven to increase brand memory, improve brand connection and increase sales.

Opening up possibilities for your business...

Exhibiting provides a chance for prospects and customers to experience your product capabilities in a more time and cost effective manner than individual sales calls or visits. You can gain invaluable insights and feedback, first hand, from your buying audience.

Up-armour your sales approach at International Armoured Vehicles

Sponsoring/exhibiting makes buying easy – cut out the back and forth of emails, returning phone calls, sending brochures. Showcase your products, invite your existing customers to see your product developments and latest ideas, meet prospects and make buying easy for you and your end user.

“ **It's always good to get our suppliers together, our analysts, friends and colleagues from other armed forces, to compare notes on the evolution of armoured vehicles.** ”

General Sir Peter Wall,
Chief of the General Staff, British Army



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PROTECTION IS EVERYTHING



Focus Day
Modernization, Retrofit & MRO
25th January 2016

Main Conference Day One
26th January 2016

Evening: Gala Dinner
hosted by Textron Systems

Main Conference Day Two
27th January 2016

Post-Conference Workshop Day
28th January 2016

Venue
Twickenham Stadium,
London, UK

To speed registration, please provide the priority code located on the mailing label or in the box below.

My registration code

PDFW

Please contact our database manager on +44(0) 207 368 9300 or database@iqpc.co.uk quoting the registration code above to inform us of any changes or to remove your details.

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Email: armouredvehicles@iqpc.co.uk

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129 Wilton Road, Victoria, London, SW1V 1JZ

Online: www.iavevent.com

Package Options	Platinum Package	Gold Package	Silver Package	Bronze Package
Access to Exhibition Hall	✓	✓	✓	✓
Main Conference (26th-27th January 2016)	✓	✓	✓	✓
Access to post-event presentations on B2B Shop at www.b2biq.com	✓	✓	✓	✓
Post-Conference drinks reception & networking (26th January 2016)	✓	✓	✓	✓
Discounted Defence Industry Bulletin Membership Subscription**	✓	✓	✓	✓
Post-Conference Workshop Day (28th January 2016)	✓	X	✓	X
Pre-Conference Focus Day (25th January 2016)	✓	✓	X	X

International Military/Government/Public Sector***	Platinum Package	Gold Package	Silver Package	Bronze Package
Book before 23rd October 2015*	SAVE £400 £699+VAT	SAVE £400 £499+VAT	SAVE £400 £449+VAT	SAVE £350 £449+VAT
Book before 20th November 2015*	SAVE £300 £799+VAT	SAVE £300 £599+VAT	SAVE £300 £549+VAT	SAVE £300 £499+VAT
Book before 18th December 2015*	SAVE £100 £999+VAT	SAVE £100 £799+VAT	SAVE £100 £749+VAT	SAVE £100 £699+VAT
Standard Price	£1,099+VAT	£899+VAT	£849+VAT	£799+VAT

Industry Pricing	Platinum Package	Gold Package	Silver Package	Bronze Package
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Book before 20th November 2015*	SAVE £300 £2,599+VAT	SAVE £300 £2,399+VAT	SAVE £300 £2,099+VAT	SAVE £300 £1,799+VAT
Book before 18th December 2015*	SAVE £100 £2,799+VAT	SAVE £100 £2,599+VAT	SAVE £100 £2,299+VAT	SAVE £100 £1,999+VAT
Standard Price	£2,899+VAT	£2,699+VAT	£2,399+VAT	£2,099+VAT

* To qualify for discounts, bookings must be received with payment by the discount deadline. Only one discount/offer applicable per person.

** I do not wish to subscribe to DIB, please remove £50 from my event registration package.

***Military and government discounted rates apply to serving military officers, government and university personnel only.

All serving Generals/Flag Officers 1 Star and above may attend the conference free of charge. Please contact enquire@defenceiq.com for further details.

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Focus Day
Modernisation, Retrofit
& MRO
25th January 2016

Main Conference
26th-27th January 2016

Evening: Gala Dinner
Hosted by Textron
Systems
26th January 2016

**Post-Conference
Workshop Day**
28th January 2016

Venue
Twickenham Stadium,
London, UK

International Military/Government/Public Sector**	Platinum Package	Gold Package	Silver Package	Bronze Package
Industry Pricing	Bronze Package	Silver Package	Gold Package	Platinum Package

DELEGATE DETAILS

Please photocopy for each additional delegate

Mr Mrs Miss Ms Dr Rank Other

First Name

Family Name

Job Title

Tel No.

Email

Yes I would like to receive information about products and services via email

IQPC Point of contact

Organisation

Nature of business

Address

Postcode Country

Telephone

Fax

Approving Manager

Name of person completing form if different from delegate

I agree to IQPC's cancellation, substitution and payment terms

Special dietary requirements: Vegetarian Non-dairy Other (please specify)

Please indicate if you have already registered by: Phone Fax Email Web

Please note: if you have not received an acknowledgement before the conference, please call us to confirm your booking.

PAYMENT METHOD

Total price for your Organisation: (Add total of all individuals attending):

Card Number: VISA M/C AMEX

Exp. Date: _____ Sec: _____

Name On Card: _____

Billing Address (if different from above): _____

City/County/Postcode _____ Cheque enclosed for: £ _____ (Made payable to IQPC Ltd.)

(Please quote 11363.009 with remittance advice)

Bank account details: Account name: International Quality & Productivity Centre Ltd.

Bank: HSBC Bank Plc 67 George Street, Richmond Surrey TW9 1HG, United Kingdom

Account No: 51304143 Sort Code: 40 38 18 Swift Code: MIDLGB2112V IBAN No: GB59 MIDL 4038 1851 3041 43

CONFERENCE CODE: 11363.009

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VENUE & ACCOMMODATION

Venue:

Twickenham Stadium
200 Whitton Road, Twickenham London,
TW2 7BA, United Kingdom
Website: <http://www.twickenhamexperience.com/conferences-events/>
Phone: 0208 744 9997

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Payment Terms Upon completion and return of the registration form full payment is required no later than 5 business days from the date of invoice. Payment of invoices by means other than by credit card, or purchase order (UK Plc and UK government bodies only) will be subject to a £49 (plus VAT) per delegate processing fee. Payment must be received prior to the conference date. We reserve the right to refuse admission to the conference if payment has not been received.

IQPC Cancellation, Postponement and Substitution Policy You may substitute delegates at any time by providing reasonable advance notice to IQPC. For any cancellations received in writing not less than eight (8) days prior to the conference, you will receive a 90% credit to be used at another IQPC conference which must occur within one year from the date of issuance of such credit. An administration fee of 10% of the contract fee will be retained by IQPC for all permitted cancellations. No credit will be issued for any cancellations occurring within seven (7) days (inclusive) of the conference. In the event that IQPC cancels an event for any reason, you will receive a credit for 100% of the contract fee paid. You may use this credit for another IQPC event to be mutually agreed with IQPC, which must occur within one year from the date of cancellation. In the event that IQPC postpones an event for any reason and the delegate is unable or unwilling to attend in on the rescheduled date, you will receive a credit for 100% of the contract fee paid. You may use this credit for another IQPC event to be mutually agreed with IQPC, which must occur within one year from the date of postponement. Except as specified above, no credits will be issued for cancellations. There are no refunds given under any circumstances. IQPC is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. IQPC shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency. Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. As such, IQPC reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on our web page as soon as possible.

Discounts All 'Early Bird' Discounts require payment at time of registration and before the cut-off date in order to receive any discount. Any discounts offered whether by IQPC (including team discounts) must also require payment at the time of registration. All discount offers cannot be combined with any other offer.

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PAYMENT MUST BE RECEIVED PRIOR TO THE CONFERENCE