CONFERENCE DAY ONE
25 JUNE 2019

0815 REGISTRATION & COFFEE

0845 IQPC WELCOME SPEECH
Nicholas Waite, Conference Director, IAVUSA

0850 CHAIRMAN’S OPENING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

0900 KEYNOTE ADDRESS: THE FUTURE THREAT CONTEXT AND CAPABILITY GENERATION
AFC will modernize the Army for the future; integrate the future operational environment, develop and deliver future force requirements, design future force organizations and deliver materiel capabilities
General John M. Murray, Commanding General, US Army Futures Command

0940 KEYNOTE ADDRESS: TRADOC LEADERSHIP
TRADOC recruits, trains, and educates the Army’s Soldiers; develops leaders, supports training in units; develops doctrine; establishes standards; and builds the future Army.
General Stephen J. Townsend, Commanding General, US Army Training & Doctrine Command

1020 MORNING COFFEE AND NETWORKING

VEHICLE PROTECTION SUITES & ACTIVE PROTECTION SYSTEMS

1100 STRYKER AND VEHICLE PROTECTION UPDATE
Overview of Stryker Platform Stryker Lethality, Stryker Operator Tablet & Vehicle Protection
2CR Lethality Lessons Learned: Key observations and identified shortcomings
Examining technology gaps such as Active Signature Management, Fuzed Platform-Level Situational Awareness and Improved Offensive Effects
Evolving from ‘Enabling Protection via Lethality’ to ‘Enabling Lethality via Protection’
Colonel Glenn Dean, PEO Stryker, US Army

1200 ISRAELI ACTIVE PROTECTION SYSTEM CAPABILITY
Operating the only fully operational and combat-proven APS in the world
Current APS capability which includes four fire-control radars to track incoming threats such as anti-tank-guided-missiles and rocket-propelled grenades
Plans for further weapons development
Confirmed OF-4 Weapons Development Department, Armored Branch, Israel Defence Force

1340 THE PEO-GCS VEHICLE PROTECTION SUITE PORTFOLIO
VPS tranche 1 efforts and opportunities
Upcoming engagement and study activity for futures/ tranche 2
Scientific qualification for priority technologies
Lieutenant Colonel Daniel Ramos, Program Manager, Vehicle Protection Systems, PEO-GCS, US Army

1420 GETTING TO THE LEFT OF BOOM...LASER WARNING AS A COMBAT MULTIPLIER
Advanced laser threat warning systems for force protection
Providing the extra seconds needed to ensure crew survivability
Chemical detection systems for a range of current and emerging threat environments
Brian Gephart, Senior Program / Business Development Manager – Threat Detection Systems, Collins Aerospace

1500 UK ACTIVE INTEGRATED PROTECTION SYSTEMS RESEARCH AND DEVELOPMENT
Highlighting the importance of APS being integrated to the fighting system for survivability, situational awareness and battle management
An enabling mission system, not just a threat defeat tool
Provide technical guidance, analysis and test of APS to support UK MOD vehicle and systems programs
Develop UK MOD understanding and expertise in APS and related technologies
Guy Powell, Principal Adviser – Mounted Close Combat, Land Platforms Group, Platforms Systems Division, Dstl

1540 AFTERNOON BREAK & NETWORKING

1620 SUPPORTING S&T EFFORTS OF THE NGCV & ROBOTIC COMBAT VEHICLE
Overview of prototyping efforts so far
Test results and operational capabilities for NGCV-RCV
Using data from TARDEC S&T experiments to help define requirements for NOVC-RCV
Colonel Kevin Vanyo, Military Deputy, TARDEC, US Army

1700 PANEL DISCUSSION: VEHICLE PROTECTION
Rocket Propelled Grenade protection Vs. Active Protection systems
Future Trends in Survivability
APS from drawing board to working systems; how developed are they?
Soft kill vs Hard kill – different systems available and trade-offs; what are the effects on the nearby infantry?

INVITED DISCUSSANTS:
Colonel Glenn Dean, PEO Stryker, US Army
Lieutenant Colonel Daniel Ramos, Program Manager, Vehicle Protection Systems, PEO-GCS, US Army
OF-4 Weapons Development Department, Armored Branch, Israel Defence Force
Guy Powell, Principal Adviser – Mounted Close Combat, Land Platforms Group, Platforms Systems Division, Dstl

1740 CHAIRMAN’S CLOSING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

1800 ICEBREAKER DRINKS RECEPTION HOSTED BY
THE WORLD’S LEADING ARMORED VEHICLE CONFERENCE ARRIVES IN THE US

CONFERENCE DAY TWO
26 JUNE 2019

0835 REGISTRATION & COFFEE

0905 CHAIRMAN’S OPENING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

0910 KEYNOTE ADDRESS: REQUIREMENTS AND ACQUISITION COOPERATION 2020 AND BEYOND
Providing world-class affordable, relevant and sustainable ground combat equipment to Joint Warfighters
Beneficially supporting U.S. national security and foreign policy objectives, allowing our allies to promote peace and stability in their region
PEO-GCS portfolio overview and hosting the CFT
Major General Brian Cummings, Program Executive Officer, Ground Combat Systems, US Army

0940 BRITISH ARMY CAPABILITY DEVELOPMENT CHALLENGES
Major General Chris Tickell CB, Director Capability, British Army

1010 MORNING COFFEE AND NETWORKING

1040 LEADING THE ARMY’S EFFORT TO MODERNIZE THE ARMY’S NEXT GENERATION OF COMBAT VEHICLES
The Vision for Future Warfare
NGCV Portfolio Overview & Review which includes: Optionally Manned Fighting Vehicle, Robotic Combat Vehicles, Armored Multi-Purpose Vehicle, Mobile Protected Firepower, Joint Light Tactical Vehicle and Future Decisive Lethality
Working to synchronize the capability development process and rapidly transitioning the requirement to a leader-approved capability in the Army Acquisition System
Brigadier General Richard Coffman, Director, Next Generation Combat Vehicle Cross-Functional Team, US Army

1110 LAND 400 PROGRAM – TRANSITION TO ARMOURED VEHICLE DIVISION
Overview of programme which includes:
- LAND 400 program
- LAND 907-2 Main Battle Tank upgrade
- LAND 810 Under Armorm Breaching and Gap Crossing Capability
- Sustainment of existing fleets: M1A1 MBT, ASLAV and M113 fleets
- LAND 400 Phase 3 – Status Update
- LAND 400 Phase 4 – Capability Assurance Program (Integrated Training System)
Armoured Fighting Vehicles Team, CAS-G, Australian Army

1140 COMPOSITE RUBBER TRACK OPERATE AT REACH - LOWER LOGISTIC NEED - FIGHT FOR LONGER
What is Composite Rubber Track?
Examining the benefits which include: Enhanced Operations, Increased Crew Efficiency, Better Combat Performance, Increased Durability & Reduces Logistics
User trials and results
Challenges
What’s next?
Senior Representative: Soucy Defense

1210 NETWORKING LUNCH

FUTURE VEHICLE SYSTEMS DESIGN

1400 FUTURE DEVELOPMENTS OF THE ENLARGED SCORPION PROGRAM
Overview of the $6.7 billion Army’s Scorpion modernization program
Planned delivery of 780 Griffin multirole troop carriers and 248 units of the light multiplayer Jaguar combat vehicle by 2020
Upgrade of the Leclerc tank with a new battle management system, crew training with onboard 3D simulation, and maintenance
The architecture of the SCORPION armored reconnaissance and combat vehicle JAGUAR
Lessons learned from recent operations and their impact on modernization program
Major General Charles Beaudouin, Deputy Chief of Staff, Plans & Programs, French Ministry of Defence

1440 POWERING PROTECTION – THE RIGHT LITHIUM SOLUTION FOR YOUR PLATFORM NEEDS
Innovative battlefield energy solutions to protect the soldier and the platform
Delivering mission survivability through signature and penetration management, reducing platform acoustic and thermal logistic signatures
Tailorable, scalable and reconfigurable platform power solutions for improved power density, reduced platform weight and greater power to weight ratios
Prolonged performance at high loading - supplying high capacity and maintenance free, operational energy independence
Steve Carkner, Head of Innovation, Revision

1520 PANEL DISCUSSION: CAPABILITY DEVELOPMENT AND GENERATION
Using open systems software and hardware architectures for integrating warfighter capabilities more efficiently, faster and with greater interoperability
Autonomous systems and optionally manned systems’ role within the near-term future fleet
What are the disadvantages of Remotely Controlled Weapon systems?
What is the optimum combination of capabilities for the modern IFV? Firepower, Protection, Mobility, Adaptability, Autonomy and Connectivity?
EARLY CONFIRMED DISCUSSANTS
Brigadier General (Ret.) Didi Ben-Yoash, Team Leader, Future Combat Vehicles, Israel Ministry of Defence
Lieutenant Colonel Armin Dirk, Material Development Armoured Corps, Army Concepts and Capabilities Development Center, Bundeswehr

1600 LOW COST CVG FOR HIGH GRADE TARGETING SYSTEMS
How to achieve High first hit probability in harsh environment and at low cost?
Inertial Systems, price-performance trade-off
InnaLabs’ Coriolis Tactical Grade Gyros & Navigation grade accelerometers
Jose Bellita, CTO, InnaLabs

1640 AFTERNOON BREAK AND NETWORKING

www.asdevents.com - www.asdevents.com/event.asp?id=20317
CONFERENCE DAY TWO
26 JUNE 2019

1720 NGCV ROBOTIC COMBAT VEHICLE
An Army-wide solution to delivering decisive lethality by leveraging unmanned vehicles that every unit in the Army can tailor to its mission set
Survivable vs. Replaceable platforms
Treating autonomy as an adjustable variable
System variants specific to a units’ mission set
Amphibious Capability


1800 PANEL DISCUSSION: LEVERAGING DISRUPTIVE AND INNOVATIVE TECHNOLOGIES AND SUPPORTING US ARMY ACQUISITION
This panel discussion will welcome civilian and commercial entities to discuss program management and vehicle design enablers that could contribute to US Army development and acquisition of the future. Bridging the so-called “valley of death” where good technologies developed in laboratories fail to make it to useful products for warfighters.
What would you say are the main pitfalls of current US Army acquisition process?
What lessons can be learnt from civilian entities for delivering innovative and successful programs of record?
What are the critical challenges that non-traditional defence industry face in doing business with the US DoD?
What are the next steps to be taken forward from here to derive maximum value from technological opportunity?
This future-scaping session will be supplied with refreshments and will wind down the conference after the formalities of the day.

1830 CHAIRMAN’S CLOSING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

What I always take away is that there are a lot of things out there that I didn’t know, so I go away already more aware and knowledgeable. It also brings me to the conclusion that we senior officers need to be in closer contact with each other... We can learn from each other stay ahead of the development of a possible opponent.”

“Major General Engelbrektson, Swedish Army, International Armoured Vehicles Speaker 2017, 2018, 2019

www.asdevents.com - www.asdevents.com/event.asp?id=20317
CONFERENCE DAY THREE
27 JUNE 2019

0830 REGISTRATION & COFFEE

0900 CHAIRMAN’S OPENING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

0910 KEYNOTE ADDRESS: SUPPORTING COMBAT AND MATERIEL DEVELOPMENT FOR THE FUTURE ARMY VEHICLE USER
Lieutenant General Paul A. Ostrowski, Principal Military Deputy, ASA(ALT) & Director for Combat Systems, US Army Futures Command

0940 KEYNOTE ADDRESS: PROVIDING RELEVANT AND READY LAND POWER TO COMBATANT COMMANDERS
FORSCOM trains, mobilizes, deploys, sustains, transforms, and reconstitutes assigned conventional forces, providing relevant and ready land power to combatant commanders.
Senior Leadership, US Army Forces Command

1020 FUTURE DEVELOPMENTS IN MILITARY VEHICLE REQUIREMENTS
- The military vehicle global market context
- Design trends in future vehicle developments and future-proofing vehicles
- The market drivers faced by OEMs that are shaping future military vehicle requirements
Miles Chambers, Director of Business Development, EDIC

1050 MORNING COFFEE AND NETWORKING

1100 KEYNOTE ADDRESS: MANEUVER IN MULTI-DOMAIN OPERATIONS
AirLand Battle and Multi-Domain Operations: What is the Difference?
- Identifying trends in the current operational environment and the capability modernization required
- Contested in all domains
- Increasingly lethal and expanded battlefield
- Increasingly complex environment
- Challenged deterrence
Major General Gary M. Brito, Commanding General, Maneuver Center of Excellence, US Army

1130 ARMORED VEHICLES PAST, PRESENT AND FUTURE
- Changes and challenges of modern conflicts and wars
- Armoured vehicle performance and trends today
- New solutions, add on systems for vehicles and troops on the ground
Hagai Shmuel, Director Marketing & Sales, IAI RAMTA

1200 THE US ARMY’S MOBILE PROTECTED FIREFORCE PROGRAM
- Overview & Senior Leader Direction
- History & Schedule
- Acquisition Strategy, Evaluation Criteria & Organization
- Concerns & Path Forward
Mr. David Dopp, Program Manager, Mobile Protected Firepower, PEO-GCS, US Army

1250 ROUTE PROOFING AND CLEARANCE (RP&C) – LATEST DEVELOPMENTS
- The RP&C concept model - covering Pearson Engineering Limited (PEL) contribution
- In Service Vehicle Options
- The ‘Swiss Army Knife’ approach
- Modularity and Interoperability
- The future - remote control and beyond
Richard Beattson, Business Development Director, Pearson Engineering

1320 NETWORKING LUNCH

1420 FMS AND PLATFORM PERFORMANCE IN THE AMERICAS
Senior decision maker/Armor subject matter expert under invitation
MEXICO / BRAZIL / PERU / CHILE / ARGENTINA

1450 MODERNIZE AND SUSTAIN PREMIER TANK AND SUPPORT SYSTEMS TO EQUIP THE WARRIGHTER AND STRATEGIC PARTNERS
- PD MBTS Product Lines
- Providing orientation to the M1A2 and M88 program including production, sustainment and modernization planning
- Evolution of the Abrams Main Battle Tank – examining major baseline changes and modernization efforts
- M88 Family of Vehicles Program – current program activities and potential technologies
David Marck, Project Director, Main Battle Tank Systems, PEO-GCS, US Army

1520 Senior decision maker/Armor subject matter expert under invitation
MEXICO / BRAZIL / PERU / CHILE / ARGENTINA

1550 AFTERNOON TEA AND NETWORKING

1620 AMPHIBIOUS VEHICLES
- SUSTAINING AND MODERNIZING THE USMC’S FAMILY OF LIGHT ARMORED VEHICLES
- PM LAV ‘Lines of Effort’ and current LAV capability
- The USMC Next Generation Armored Reconnaissance Vehicle (ARV): seeking a balanced set of performance, payload, and protection attributes with sufficient design reserve to ensure the platform is readily adaptable over its service life
- ARV Path Forward
John “Steve” Myers, Program Manager Light Armored Vehicles, Marine Corps Systems Command

1650 ACHIEVEMENTS OF DEVELOPMENT OF ARMORED VEHICLES IN JAPAN AND OUR FUTURE AMBITIONS
- Acquisition Technology & Logistics Agency (ATLA) & History of Armored Vehicle Development in Japan
- Features Overview of Type 10 Main Battle & Type 16 Mobile Combat Vehicle (MCV)
- Future Amphibious Technology
- Conclusions
Directorate for Ground Systems, ATLA, Japan Ministry of Defense

1720 CHAIRMAN’S CLOSING REMARKS
Major General William Hix, Former Director of Strategy, Plans & Policy, Deputy Chief of Staff G-3/5/7 Headquarters, US Army, Conference Chairman

1730 END OF CONFERENCE