

IDEaS Marketplace 2023 *Shaw Centre*

Friday, June 2

09:00 - 09:15 | Innovator Exhibition Space Opens

09:15 - 09:25 | Welcome and Housekeeping

Speaker Mr. Philippe Hébert, Director General R&D Innovation (DGRDI)

Department of National Defence

Philippe Hébert, Director General, R&D Innovation, Defence Research and Development Canada (DRDC)

09:25 - 09:35 | Opening Remarks

Speaker Dr. Jaspinder Komal, Assistant Deputy Minister

Department of National Defence

Dr. Jaspinder Komal, Assistant Deputy Minister, DRDC

IDEaS Marketplace 2023 (cont.) *Shaw Centre*

Friday, June 2

09:40 - 10:40	<p>Innovator Presentations Session 1, Breakout Rooms 1-4 Running Concurrently</p> <p>BREAKOUT ROOM 1, Theme 1: Cyber, Big Data and Support for Military Personnel</p> <ul style="list-style-type: none"> • □Challenge 7 (CFP2): Understanding cyber intent • □Challenge 7 (CFP3): Staying four steps ahead - Understanding and predicting the behaviour of adversaries • □Challenge 5 (CFP2): Verification of full motion video integrity <p>BREAKOUT ROOM 2, Theme 2: Sensing, Detection and Optimizing Field Operations</p> <ul style="list-style-type: none"> • □Challenge 12 (CFP3): All systems go! Predicting and optimizing maintenance for military platforms • □Challenge 4 (CFP3): Power up! Portable power for soldiers on the move • □Challenge 2 (CFP2): Respiratory protection for DND/CAF members with facial hair <p>BREAKOUT ROOM 3, Theme 3: Innovation Networks – Autonomous Systems and Advanced Materials</p> <ul style="list-style-type: none"> • □Innovation Networks: Autonomous systems for defence & security <p>BREAKOUT ROOM 4, Theme 4: Covid-19 and Innovations for Combat in the Arctic</p> <ul style="list-style-type: none"> • □COVID-19: Scrubbing your scrubs • □COVID-19: Super Sanitize: Cleaning sensitive equipment and workspaces • □COVID-19: Special projects
10:40 - 11:00	BREAK
11:00 - 11:20	<p>Keynote Address</p> <p>Speaker REAR-ADMIRAL J.B. ZWICK, Chief of Combat Systems Integration <i>Department of National Defence</i> Rear-Admiral J.B. Zwick, OMM, CD, Chief of Combat Systems Integration</p>

IDEaS Marketplace 2023 (cont.) *Shaw Centre*

Friday, June 2

11:20 - 12:00	<p>Session 2: Innovator presentations – Breakout rooms 1-4 running concurrently</p> <p>BREAKOUT ROOM 1, Theme 1: Cyber, big data and support for military personnel</p> <ul style="list-style-type: none"> • Challenge 6 (CFP3): Casting a wide net: Creating secure mobile networks while on the move • Challenge 8 (CFP2): Detecting and responding to hostile information activities <p>BREAKOUT ROOM 2, Theme 2: Sensing, Detection and Optimizing Field Operations</p> <ul style="list-style-type: none"> • Challenge 15 (CFP3): Spring into action - Fast and adaptive logistics planning for military • Challenge 14 (CFP3): Quantum leap: Shrinking sensing technologies for field operations • Challenge 2 (CFP3): Collision course – tracking and de-orbiting space debris <p>BREAKOUT ROOM 3, Theme 3: Innovation Networks – Autonomous systems and Advanced materials</p> <ul style="list-style-type: none"> • Innovation Networks: Autonomous systems for defence & security <p>BREAKOUT ROOM 4, Theme 4: COVID-19 and Innovations for combat in the Arctic</p> <ul style="list-style-type: none"> • COVID-19: Rapid Response – Real-time Insights for pandemic decision-making
12:00 - 13:00	LUNCH

IDEaS Marketplace 2023 (cont.) *Shaw Centre*

Friday, June 2

13:00 - 14:10

Session 3: Innovator presentations – Breakout rooms 1-4 running concurrently

BREAKOUT ROOM 1, Theme 1: Cyber, big data and support for military personnel

- □Challenge 9 (CFP3): Remaining vigilant: Identifying cyber dependencies, vulnerabilities and threats
- □Challenge 13 (CFP3): Spot the hack: Intrusion detection systems
- □for avionics networks and bus technologies
- □Challenge 3 (CFP2): An integrated human resources data management solution

BREAKOUT ROOM 2, Theme 2: Sensing, Detection and Optimizing Field Operations

- □Challenge 3 (CFP3): Now you see me, now you don't! Reducing visual and infrared detection of
- □soldiers and their vehicles
- □Challenge 1 (CFP2): Detection of concealed explosives
- □Challenge 5 (CFP3): Shields up! Defend and protect satellites from natural and artificial threats

BREAKOUT ROOM 3, Theme 3: Innovation Networks – Autonomous systems and Advanced materials

- □Innovation Networks: Advanced materials for defence & security
- □Innovation Networks: Advanced materials for defence & security

BREAKOUT ROOM 4, Theme 4: COVID-19 and Innovations for combat in the Arctic

- □COVID-19: Moral trauma on the front lines – See, prevent and treat
- □Challenge 9 (CFP2): Full spectrum communications in the Arctic
- □Challenge 1 (CFP3): Breaking the ice – Ground solutions for removing
- □frozen contaminants from aircraft missions
- □Challenge 8 (CFP3): A cold wind blows: Seeking smaller, ruggedized wind turbines for the Arctic

IDEaS Marketplace 2023 (cont.) *Shaw Centre*

Friday, June 2

14:30 - 15:40	<p>Session 4: Innovator presentations – Breakout rooms 1-4 running concurrently</p> <p>BREAKOUT ROOM 1, Theme 1: Cyber, big data and support for military personnel</p> <ul style="list-style-type: none"> • Challenge 11 (CFP3): Beyond the Classroom: Innovative language learning and retention <p>BREAKOUT ROOM 2, Theme 2: Sensing, Detection and Optimizing Field Operations</p> <ul style="list-style-type: none"> • Challenge 6 (CFP2): Persistent maritime surface sensor system <p>BREAKOUT ROOM 3, Theme 3: Innovation Networks – Autonomous systems and Advanced materials</p> <ul style="list-style-type: none"> • Innovation Networks: Advanced materials for defence & security <p>BREAKOUT ROOM 4, Theme 4: COVID-19 and Innovations for combat in the Arctic Closed!</p>
15:40 - 15:50	<p>Closing Remarks</p> <p>Speaker Mr. Philippe Hébert, Director General R&D Innovation (DGRDI) <i>Department of National Defence</i></p>
15:50 - 16:00	Innovator Exhibition Space Closes