

**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

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

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

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 | **Session 4: Innovator presentations – Breakout rooms 1-4 running concurrently**
- BREAKOUT ROOM 1, Theme 1: Cyber, big data and support for military personnel
- □ Challenge 11 (CFP3): Beyond the Classroom: Innovative language learning and retention
- BREAKOUT ROOM 2, Theme 2: Sensing, Detection and Optimizing Field Operations
- □ Challenge 6 (CFP2): Persistent maritime surface sensor system
- BREAKOUT ROOM 3, Theme 3: Innovation Networks – Autonomous systems and Advanced materials
- □ Innovation Networks: Advanced materials for defence & security
- BREAKOUT ROOM 4, Theme 4: COVID-19 and Innovations for combat in the Arctic  
 Closed!
- 15:40 - 15:50 | **Closing Remarks**
- Speaker **Mr. Philippe Hébert, Director General R&D Innovation (DGRDI)**  
*Department of National Defence*
- 15:50 - 16:00 | **Innovator Exhibition Space Closes**

**IDEaS Marketplace 2023** *Shaw Centre*

*Friday, May 31*

- 09:00 - 16:00 | **Innovator Exhibition Space Opens**  
 IDEaS MARKETPLACE