

DEFSAT CONFERENCE & EXPOSITION, 7-9 FEBRUARY 2024 – MANEKSHAW CENTRE DELHI CANTT, NEW DELHI
THREE DAYS CONFERENCE PROGRAMME

Start	End	Duration	Description
Day One: Wed 7-Feb 2024			
9:00	9:30	0:30	Registration
9:30	10:45	1:15	<p>GI01: Inaugural Session: Welcome Address: Dr Subba Rao Pavuluri, President SIA-India Thematic Address: AVM Sanjay Bhatnagar VM VSM (Retd), Offcg Director, CENJOWS Defence Space Address: Lt Gen PJS Pannu, PVSM, AVSM, VSM (Retd), Chairman Space Committee on Defence, SIA-India Special Address: Padma Shree Dr Shailesh Nayak, Director NIAS, Former Secretary Ministry of Earth Science Special Guest Message: Shri S Somanath, Secretary DOS & Chairman ISRO Special Address: His Excellency, Australia’s High Commissioner to India, Mr Philip Green Inaugural Address: General Anil Chauhan, PVSM, UYSM, AVSM, SM, VSM, Chief of Defence Staff Vote of Thanks: Anil Prakash, Director General, SIA-India</p>
10:45	11:30	0:45	Exhibition Open at RXN and Networking Tea Break
11.30	12.40	1:10	<p>GI02: Panel Discussion Meshed Intelligence: Multi-sensor Payloads and Analytical Platforms Engage in in-depth conversations about Military Remote Sensing, covering topics such as advanced payloads, Data Fusion, AI integration, Edge AI applications, and the groundbreaking concept of Multi payload Spacecrafts. Join us as experts unravel the ELINT intricacies and strategic implications, offering a comprehensive view of the synergies shaping the future landscape of military intelligence and surveillance technologies. <u>Chair & Moderator:</u> Dr Radhadevi, Director ADRIN-ISRO <u>Panellists:</u></p> <ul style="list-style-type: none"> • Mr Damodaran Ramn, Director, Deloitte Consulting • Mr Suyash Singh, Chief Executive Officer, Galaxeye Space • Mr Akash Yalagach, CTO, KaleidEO • Mr Kannan Kesavapillai, Co-Founder & Chief Executive Officer, Augsense Labs • Mr Gurvinder Chohan, Chief Executive Officer, QSTC Inc
12:40	13:55	1:15	Networking Lunch
13:55	15:05	1:10	<p>GI03: Panel Discussion C5I2STAR2-Space enabled Precision and deep battles Explore the nuances of remote sensing tailored to diverse military branches, addressing the convergence of Earth Observation Sensors for ISR and Positioning, Navigation, and Timing (PNT), communication, and data for precision battles. Uncover the critical role of these technologies in tactical decision-making on the battlefield, providing a comprehensive understanding of</p>

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			<p>how precision and deep battles are orchestrated through cutting-edge C5I2STAR2 strategies.</p> <p><u>Chair & Moderator:</u> Air Marshal Anil Chopra, PVSM, AVSM, VM, VSM (Retd), DG CAPS</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Air Cmde Abhijit Tokekar VM, Comdt. DIPAC, Head Quarters, IDS • Dr Rituraj Kumar, Director CAIR, DRDO • Prof Brejesh Lall, Indian Institute of Technology, Delhi • Mr Anurag Garg, Head of Strategy – India, Thales • Col Amandeep Singh, Specialist, Indian Army • Capt Nitin Cariappa, Directorate of Naval Intelligence
15:05	16:15	1:10	<p>GI04: Panel Discussion Collaborative Frontiers: Synergising the Defence Innovation Ecosystem</p> <p>Uncover valuable lessons that will shape the future landscape of defence innovation initiatives, fostering collaboration and pushing the boundaries of technological advancements in national security. Explore insights from the groundbreaking IDEX 75 challenges, a monumental leap in defence innovation offering crucial lessons for shaping future initiatives at the intersection of academia, defence, and entrepreneurship.</p> <p><u>Chair & Moderator:</u> Maj Gen C S Mann, VSM, Additional DG, Army Design Bureau</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Lt. Col Sanjay Mahala, Program Director, Defence Innovation Organisation* • Mr Anagh Singh, Assistant Vice President, Invest India O/o PSA to GOI • Air Commodore Atul Anand, Directorate of Aerospace Design, IAF • Cmde T Ajit, WESEE • Cmde Arun P Golaya, OiC, Technology Development Acceleration Cell, NIIO • Dr Roshan Srivastava, Director, Technology Innovation Hub, IIT Tirupati • Prof Manan Suri, Indian Institute of Technology, Delhi
16:15	16:45	0:30	Networking Tea Break
16:45	17:55	1:10	<p>GI05: Panel Discussion Redefining Aerospace – Near Space and Space Sovereignty</p> <p>Explore the cutting-edge developments shaping the future of warfare as experts converge to decode the evolving landscape of air and space dynamics. Engage with experts as they delve into crucial topics, including ISR and operations in near space, the complexities of space, challenges in manufacturing assets for near space, and strategies for seamlessly integrating all domains. Networking and stitching seamless Outer Space, Near Space and Air Domains. Discussing autonomous systems HAPS, Drones and innovative solutions.</p> <p><u>Chair & Moderator:</u> Air Marshal GS Bedi, AVSM, VM, VSM (Retd) Former DG (FIS)</p>

Start	End	Duration	Description
			<u>Panellists:</u> <ul style="list-style-type: none"> • Air Vice Marshal D V Khot (Retd), Former DSA and Fellow CAPS • Mr Pawan Kakkar, Managing Director, Jugapro India Private Limited • Gp Capt TH Anand Rao, Senior Fellow, CAPS • Mr. Sameer Joshi, Chief Executive Officer, Newspace Research & Technologies
17:55	18:00	0:05	GI06: Closing Remarks: Mr Ravi Ailawadhi, Board Member, SIA-India
End of Day 1 of the Conference and Exhibition			

Start	End	Duration	Description
Day Two: Thu – 8 Feb 2024			
9:00	9:30	0:30	Registration
9:30	10:30	1:00	<p>GI07: Inaugural Session Welcome Address: Dr Subba Rao Pavuluri, President SIA-India Industry Address: Mr Deepak Mathur, Executive Vice President, SES Inc. Special Address: Dr Samir V Kamat, Secretary DDR&D and Chairman DRDO Inaugural Address by the Chief Guest: Lt. Gen Gurmit Singh, PVSM, UYSM, AVSM, VSM (Retd), Hon. Governor of Uttarakhand Vote of Thanks: Lt Gen PJS Pannu, PVSM, AVSM, VSM (Retd), Chairman Space Committee on Defence, SIA-India</p>
10:30	11:00	0:30	Networking Tea Break
11.00	13.30	2:30	<p>GI08: IndSpace Exercise: Industrial Space Wargame - An interactive tabletop exercise, utilizing simulated scenarios, that assesses the space industry's readiness. It's the second in a series with active participation from the Services, MoD, ISRO, DRDO, INSPAcE, NSIL, NDMA, Niti Aayog, Industry, Startups, and Academia. The evaluation includes key factors like resources, logistics, action sequences, and phase durations. Defence practitioners and stakeholders collaborate to identify crucial industrialized solutions, disruptive innovations, and space capabilities vital for India's national security in simulated scenarios.</p> <p><u>Chair:</u> Lt. Gen Vinod G. Khandare, (Retd) Principal Advisor, MOD <u>Conduct and Moderation:</u> Lt Gen PJS Pannu, PVSM, AVSM, VSM (Retd), Chairman Space Committee on Defence, SIA-India <u>Thought Leadership:</u></p> <ul style="list-style-type: none"> • Vice Admiral Pradeep Chauhan, AVSM**VSM (Retd), Director General, NMF • Air Marshal Anil Chopra, PVSM, AVSM, VM, VSM (Retd), DG CAPS • Lt Gen Dushyant Singh PVSM AVSM, Director General, CLAWS • AVM Sanjay Bhatnagar VM VSM (Retd), Offcg Director, CENJOWS • Dr P K Jain, Director-PMAD, INSPAcE
13:30	14:45	1:15	Networking Lunch
14:45	15:55	1:10	<p>GI09: Panel Discussion Smart Satellites for Defence: Balancing Robustness, SWAP and Flexible Design & Manufacturing Join us for an enlightening discussion on how the convergence of technology and manufacturing is revolutionizing the landscape of military satellite systems and bolstering national security. Explore the intricate interplay between robustness, Size, Weight, and Power (SWAP), and innovative manufacturing practices. Our expert panellists will dissect the latest breakthroughs shaping defence satellites, emphasizing the pivotal role of flexible design and advanced manufacturing.</p> <p><u>Chair & Moderator:</u> Vice Admiral Pradeep Chauhan, AVSM**VSM (Retd), Director General NMF</p>

Start	End	Duration	Description
			<p><u>Keynote Address:</u> Mr Sudheer Kumar, Director CBPO, ISRO HQ</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Mr Arpan Sahoo, COO, KaleidEO • Mr Sanjay Nekkanti, Chief Executive Officer, Dhruva Space • Mr Rupesh G, Chief Executive Officer, XDLinx Labs • Mr Gurvinder Chohan, Chief Executive Officer, QSTC Inc
15:55	16:25	0:30	Networking Tea Break
16:25	17:35	1:10	<p>GI10: Panel Discussion Acquisition Process for Military-Grade Space Assets</p> <p>The acquisition process for military-grade space assets involves a meticulous journey encompassing research, development, qualification and testing phases. This multifaceted approach encompasses cutting-edge technology, strategic planning, and industry experts collaborating to align this process to the agility desired for defence space requirements. The aim is to secure state-of-the-art space assets, enhancing national security and readiness in the dynamic realm of outer space.</p> <p><u>Chair:</u> Lt Gen (Dr) Subrata Saha, PVSM, UYSM, YSM, VSM** (Retd), Member NSAB</p> <p><u>Moderator:</u> AVM Rajiva Ranjan VM, ACAS OPS Space</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Col Manik Anand, Aerospace Sys Division, Dept of Defence Production, Ministry of Defence • Col. Kuber Kandalai, E&Y • Mr Arvind Khare, Senior Fellow, Manohar Parrikar Institute for Defence Studies and Analyses • Mr Arpan Sahoo, COO, KaleidEO • Mr Vinod Kaul, RVP South and South-East Asia, Gilat Satellite Networks • Wg Cdr Satyam Kushwaha, Director, ISpA
17:35	18:00	0:25	<p>GI11: Closing Plenary Day 2</p> <p>Closing Remarks: Mr DS Govindrajan, Board Member, SIA-India</p>
End of Day 2 of the Conference and Exhibition			

Start	End	Duration	Description
Day Three: Fri 9-Feb 2024			
9:00	9:30	0:30	Registration
9:30	10:30	1:00	<p>GI12: Inaugural Session Welcome Address: Dr Subba Rao Pavuluri, President SIA-India Special Address: Dr PK Jain, Director, PMAD, IN-SPACE Special Address: Mr Mahaveer Singhvi IFS, Joint Secretary, New Emerging and Strategic Technologies (NEST)* Special Address: Air Vice Marshal Pawan Kumar, VM, Director General, Defence Space Agency (DSA) Inaugural Address: Dr Ajay Kumar, Former Secretary Ministry of Defence Vote of Thanks: Mr Sudhir Gupta, Former Secretary TRAI and Board Member SIA-India</p>
10:30	11:00	00:30	Networking Tea Break
11:00	12:00	1:00	<p>GI13: Panel Discussion Space warfare: Space Deterrence and Space Domination. Gain insights into safeguarding our interests in the ever-evolving landscape of space security. Engage with experts as they delve into critical topics such as Space Situational Awareness (SSA), Space Domain Awareness (SDA), threat assessment, and mitigation through redundancies. Discover the strategic importance of agile launch capabilities and the role of Rendezvous Proximity Operations (RPO) and On-Orbit Servicing, Assembly, and Manufacturing (OSAM) in ensuring space dominance. <u>Chair & Moderator:</u> Air Vice Marshal Pawan Kumar, VM, Director General, Defence Space Agency (DSA) <u>Panellists:</u></p> <ul style="list-style-type: none"> • Dr Bulbul Mukherjee, General Manager (Data Synthesis and Modelling), SSOM, ISTRAC, ISRO • Air Cmde Savinder P Singh, Sr Fellow, Centre for Air Power Studies (CAPS) • Air Cmde Terry Van Haren DSM, Retd., Managing Director, LeoLabs Australia • Mr Tushar Jadhav, Chief Executive Officer, Manastu Space • Mr Sakthi Kumar R, Founder & Chief Executive Officer, OrbitAid Aerospace Pvt Ltd. • Mr Tanveer Ahmed, Co-Founder, Digantara
12:00	13:00	1:00	<p>GI14: Panel Discussion Comms Strategies for Modern Military Operations under contested and EW environment. Join our expert panel as they delve into the intricacies of multi-domain communication, addressing challenges such as cybersecurity, threat mitigation, spectrum requirements and the critical decision between dedicated and leased satcom capacity. Gain insights into navigating the complex intersection of emerging technology like SDR and warfare, ensuring effective communication in the face of evolving EW threats. <u>Chair & Moderator:</u> Maj Gen Manjeet Singh SM, Joint Secretary, National Security Council Secretariat <u>Panellists:</u></p> <ul style="list-style-type: none"> • Sri Y Purushotam, Scientist G, Defence Electronic Research Laboratory (DERL), DRDO

			<ul style="list-style-type: none"> • Mr. Rajshekhar Pullabhatla, Director, Information Sharing and Analysis Center (ISAC) • Mr Shivaji Chatterjee, President and Managing Director - Hughes Communications India Private Limited • Dr V Seshagiri Rao, Advisor AVANTEL, Former Associate Director, ISRO • Mr. Sai Krishna, CEO, Saptang Labs
13:00	14:15	1:15	Networking Lunch Break
14:15	15:15	1:00	<p>GI15: Panel Discussion Managing space control, information and Mosaic C2 enabled by effective ground infrastructure. Explore the pivotal role of earth stations, and user terminals across land, sea, and air domains. Delve into the evolving landscape of satellite communications for insights into the cutting-edge technologies including optical links shaping the ground segment's crucial role in orchestrating seamless, mobile and secure 'space-based operations'.</p> <p><u>Chair & Moderator:</u> Lt Gen PJS Pannu, PVSM, AVSM, VSM (Retd), Chairman Space Committee on Defence, SIA-India</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Lt Gen Karanbir Brar, General Officer Commanding (GOC), Dakshin Bharat Area • Mr Gautam Sharma, Managing Director, Viasat India • Mr Pawan Kalra, General Manager, Business Development, Viking Optimum Solutions • Mr Subhajit Chakraborty, Head of Business Development, Astrogate Labs • Mr. Christopher McIntosh, CEO, Methera Global [Virtual] • Mr. Akshay Singh, MD, EVIGWAY Technologies
15:15	15:45	0:30	Networking Tea Break
15:45	16:45	1:00	<p>GI16: Industry Roundtable Catalysing National Industrial Capabilities for Space and Defence Esteemed representatives from large enterprises and DPSU will share insights on navigating regulatory landscapes, fostering innovation, and addressing technological hurdles. Discover strategies and visionary perspectives that include the Defence industry corridors in shaping the future of national space capabilities. Engage in a thought-provoking dialogue that illuminates the path towards a robust and sustainable space industry, driving economic growth and technological advancement on a national scale.</p> <p><u>Chair & Moderator:</u> Air Chief Marshal R K S Bhadauria PVSM AVSM VM ADC (Retd), Head, UP Defence Corridor</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Dr Subba Rao Pavuluri, Chairman & MD, Ananth Technologies Pvt Ltd • Mr. Vedaprakash G, Head Business Development & Govt. Relations, TASL • Mr Vikas Khitha, Vice President & Head, Corporate Office, Delhi, L&T Defence • Mr Samit Ray, Dy. Vice President South Asia Government Affairs, Raytheon Technologies Corporation • Col Rajneesh Singh (Retd), Research Fellow, Manohar Parrikar IDSA
16:45	17:45	1:00	GI17: Panel Discussion Policies, Doctrines, and Strategies for Securing India's Security Interests

			<p>Distinguished experts will delve into the nuanced landscape of policy formulation, strategic frameworks, and doctrines essential for ensuring the nation's security in space. From orbital challenges to geopolitical considerations, gain profound insights into the measures required to fortify India's position in the cosmic frontier. Join us for a compelling discourse on the multifaceted dimensions of securing India's space interests through astute policies, doctrines, and strategic foresight.</p> <p><u>Chair & Moderator:</u> Lt Gen Ajay K Chandele, PVSM, AVSM (Retd), Chairman, Geospatial World Chamber of Commerce</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> • Mr Vinay Paliwal, INSPACE • Dr Ranjana Kaul, Partner, Dua Associates & Space Law Expert • Cmde Jaspreet S Shergill NM, Former Executive Director, NMF • Capt K. K. Agnihotri (Retd IN), Sr. Fellow, National Maritime Foundation • Dr Aparajita Pandey, Asst. Professor, Amity Institute of Defence & Strategic Studies (AIDSS)
17:45	18:15	00:30	<p>GI18: Closing Session</p> <ul style="list-style-type: none"> • Dr Subba Rao Pavuluri, President SIA-India • Lt Gen PJS Pannu, PVSM, AVSM, VSM (Retd), Chairman Space Committee on Defence, SIA-India • AVM Sanjay Bhatnagar VM VSM (Retd), Offcg Director, CENJOWS • Mr Pawan Kapur, Board Member, SIA-India
End of Day 3 of the Conference and Exhibition			