

## Miniature avionics, smart sensors future of aerospace: Top

Integrated miniaturised avionics, smart sensors and innovative guidance schemes would be the backbone of futuristic aerospace and defence systems, G Satheesh Reddy, Scientific Advisor to the Defence Minister, said today. "Integrated, miniaturised avionics and smart sensors will be the backbone for futuristic aerospace and defence systems.

We need to establish necessary infrastructure to provide highly accurate and effective algorithms for the control and guidance of fighter aircrafts, missiles and launch vehicles to make them into next generation systems," Reddy said. He was addressing the third International Federation of Automatic Control (IFAC) Conference on Advances in Control and Optimisation of Dynamical Systems (ACODS-2018), organised by the DRDO here.

Synergetic efforts of research and development institutes, academia and industries had enabled our country to achieve self-reliance on several technological fronts, he said, adding that technologies had been evolving quickly and the need was to focus on smart and adaptive systems to make our aerospace vehicles cost effective and state-of-the-art.

DRDO Chairman and Secretary, Department of Defence Research and Development, S Christopher said, "Control and guidance technologies are crucial technologies that find widespread applications in both civil and defence sectors. Futuristic weapon systems will be smart, intelligent, complex and technologically advanced.

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