**Advanced Materials**

Materials are basic components of all defence systems. Advances in materials technology coupled with novel and creative use of materials with special properties will lead to enhanced capabilities or even new capabilities in a host of systems. Protective materials like those used in armour for military vehicles and body armour are good examples where advances in materials system technology have led to significantly high protection levels without a corresponding increase in mass, thickness and volume. In energetic materials research, there is a continual search for new oxidizers, binders and reactive metals/materials that will enhance performance and improve safety.

Candidates applying for the Temasek Research Fellowship should demonstrate outstanding research in advanced materials and can contribute towards research and development of materials and material engineering and fabrication processes that can be applied to a host of defence applications, e.g. armour, electromagnetics, electro-optics and energetics.

**For enquiries on specific research areas:**

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