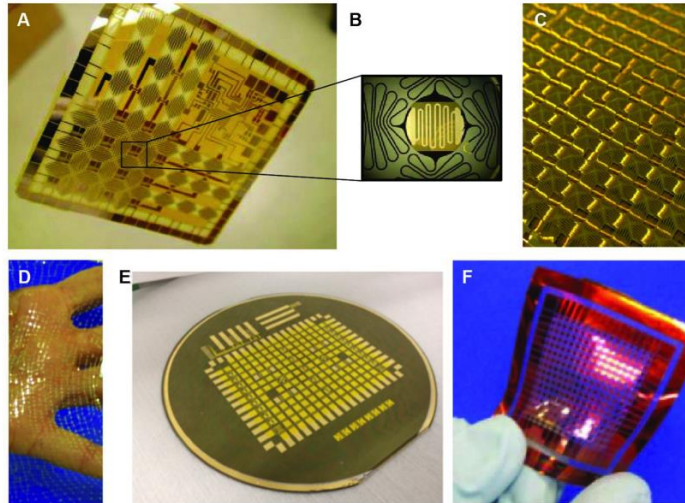
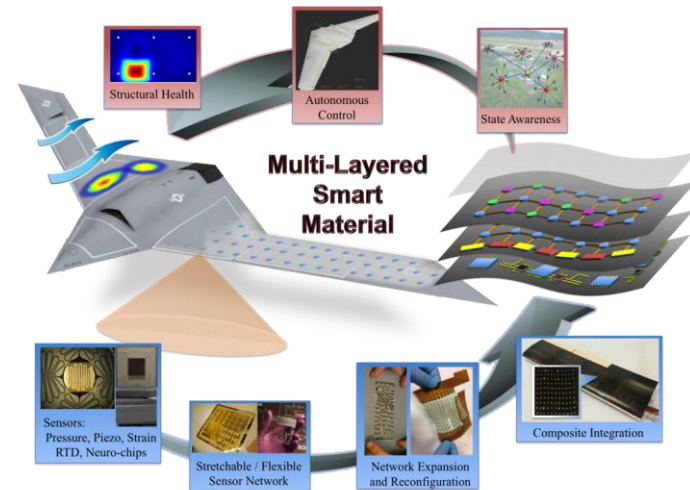


Title: Manufacturing of Distributed, Flexible and Stretchable Asset Monitoring Sensor Networks

DEVELOPMENT, MATURATION, TESTING



SCALE-UP, FULL-SCALE TESTING, IMPLEMENTATION



Program Objectives:

- 1) Advance the state-of-the-art of flexible hybrid manufacturing approaches relevant to asset monitoring technology
- 2) Manufacture a stretchable sensor network prototype capable of measuring strain, temperature, dynamic vibration and pressure on a complex airfoil wing structure.
- 3) Create collaboration among industry and academia members capable of contributing to the advancement of asset monitoring technology
- 4) Create and develop a workforce responsive to flexible hybrid manufacturing needs

Project Teams:

United Technologies Research Center (Lead)
Stanford University (Participant)
Acellent Technologies (Participant)

