1. **Innovative Air Vehicle Eco-design Concepts**
   a. New material technology developments
   b. Aerodynamics advancements
   c. More electric aircraft

2. **Eco-design Tool Developments**
   a. Enhanced design tools and methodologies (including CAD/CAM)
   b. Optimization techniques (MDO) for sustainability
   c. Aviation Life-Cycle Analysis (LCA) methodology improvements

3. **Environmentally-friendly Manufacturing & Green Supply Chain**
   a. Manufacturing technology developments
   b. Management of manufacturing and chemical waste (recycling)
   c. “Green” as a Lean (economic) enabler
   d. Greener aerospace supply chain (forward & reverse logistics)

4. **Powerplant Advancements**
   a. Propulsion technology developments
   b. Challenges to retrofitting the existing fleet for sustainability

5. **Alternative Fuels & Sustainable Operations**
   a. Greener fuels
   b. Operational best practices for sustainability
   c. Environmental aspects of Maintenance/Repair/Overhaul (MRO)
   d. Route optimization technology
   e. End-of-service life issues (Recycle/reuse/ remanufacture/safe disposal)

6. **Noise in the Community**
   a. Psychoacoustic aspects of helicopter noise
   b. Noise abatement lessons learned from the fixed-wing community

*Conference will include key-note speakers, panel discussions, invited technical papers and industrial exhibitions.*