

<b>Paper Number</b>	<b>Paper Title</b>
GT2010-22569	Hotwire measurements in a high speed Counter Rotating Turbo Fan rig
GT2010-22792	Multidisciplinary 3D-Optimization of a Fan Stage Performance Map with Consideration of the Static and Dynamic Rotor Mechanics
GT2010-22118	An Assessment of Gas Foil Bearing Scalability and the Potential Benefits to Civilian Turbofan Engines
GT2010-22420	OPTIMIZATION OF TURBOFAN PROPULSION CYCLE USING A GENETIC ALGORITHM
GT2010-22701	Short And Long Range Mission Analysis For A Geared Turbofan With Active Core Technologies
GT2010-23152	Study on Rubbing Failure between Fan Vanes and Spacer Ring of a Turbo-Fan Engine
GT2010-22290	On Reliable Performance Prediction of Axial Fans with Respect to Relative Roughness, Reynolds Number and Operating Point - a Generalized Scale-Up Method Validated by Experiments
GT2010-23105	Effects of Bowed Stator on A Fan Characteristic with Distorted Inlet
GT2010-22519	OPTIMIZING THE OPERATION OF THE INTERCOOLED TURBOFAN ENGINE
GT2010-22808	Heat transfer performance of fan-shaped film cooling holes. Part I ? Experimental analysis.
GT2010-22809	Heat transfer performance of fan-shaped film cooling holes. Part II ? Numerical analysis
GT2010-23308	Fan Shaped and Cylindrical Holes Studied in Vane Film Cooling Test Rig
GT2010-22046	CALIBRATED NON LINEAR DISSIPATIVE MODEL OF FAN BLADED DISK
GT2010-22187	Rotor Tip Flow-Field near Inception Point of Modal Disturbance in an Axial-Flow Fan
GT2010-23357	Effects of the Swirl Velocity of Jets in Crossflow from Fan Assemblies Mounted on Lifting Surfaces
GT2010-22565	Rotordynamic Analysis Method of Small Turbo-Fan Engine Based on Finite Element Models
GT2010-22365	CFD analysis of an aero-engine fan damaged by a bird strike
GT2010-22415	STUDY OF SAND PARTICLE TRAJECTORIES AND EROSION INTO THE FIRST FAN STAGE OF A TURBOFAN
GT2010-22555	Non-linear Flutter in Fan Stator Vanes with Time Dependent Fixity
GT2010-22082	Influence of Tip Clearance on the Acoustic and Aerodynamic Characteristics of Fans
GT2010-22753	Detection of Stall Regions in a Low-Speed Axial Fan. Part 1: Azimuthal Acoustic Measurements
GT2010-22754	Detection of Stall Regions in a Low-Speed Axial Fan. Part 2: Stall diagnosis by visualization of sound signals
GT2010-22381	Impact of Fan Gap Flow to the Centrifugal Impeller Aerodynamics
GT2010-23910	Pratt & Whitney Geared Turbofan Technology
GT2010-22825	Results of an Advanced Fan Stage Operating Over a Wide Range of Speed and Bypass Ratio ? Part I: Fan Stage Design and Experimental Results

GT2010-23386	Results of an Advanced Fan Stage over a Wide Operating Range of Speed and Bypass Ratio. Part II: Comparison of CFD and Experimental Results
GT2010-22554	Rotor Interaction Noise in Counter-Rotating Propfan Propulsion Systems
GT2010-23280	Internal Flow and Noise Investigations about the Cross-flow Fan with Different Blade Angles
GT2010-22148	High Propulsive Efficiency Turbofan With Variable Pitch Fan
GT2010-22719	CONCEPTUAL STUDY OF A HYBRID TURBOFAN ENGINE WITH INTER TURBINE BURNER
GT2010-22770	CONCEPTUAL STUDY OF A CONTRA ROTATING FAN ENGINE
GT2010-22969	Mechanical Design Of A Variable Pitch Fan For Turbofan Engines
GT2010-22398	Shape optimization of a laidback fan-shaped film-cooling hole to enhance cooling performance
GT2010-23183	EFFECTS OF FAN SPEED ON ROTATING STALL INCEPTION AND RECOVERY
GT2010-22914	A study of fan-distortion interaction within the NASA Rotor 67 transonic stage
GT2010-22543	Aeroacoustics and Performance Modeling of a Counter-Rotating Propfan