

Vincent Perrot

Lab affiliation at MIT: Gas Turbine Lab

Research interests: I am doing my research on jet engine compressors design with enhanced stability. The main objective of this research is to optimize the shape of the blades of each blade row inside the compressor so that the performance is maximized keeping in mind though that the aerodynamic stability also has to be kept above a given level. Hence, this research is in direct relation with the MSDO class.

Class project: I do my class project in collaboration with Josep Dorca. Josep and I already worked together for our research at GTL. We chose a class project close to our research. The aim of this project is to modify the geometry of a 2-stage compressor in order to improve its performance, improve its stability and minimize its cost.

Short Biography:

- 2002-2003 Master of Science candidate at MIT. Research in the Gas Turbine Lab.
- 2000-2002 Student at Supaero, the French engineering school for aeronautics and astronautics.
- 1998-1999 Post secondary studies in a national preparatory program leading up to competitive nationwide entrance examinations to engineering schools.