

1st COPPE/UFRJ Workshop on Aviation Safety
"Technical aspects of the AF447 accident: One year review"

June 1st, 2010 – Conference Center, CGTEC Building
Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa em Engenharia
COPPE/UFRJ - Universidade Federal do Rio de Janeiro

Coordinators:

Prof. Atila P. Silva Freire, Laboratory of Turbulence Mechanics PEM/COPPE/UFRJ.

Prof. Robert E. Breidenthal – Department of Aeronautics and Astronautics, UW/Seattle.

9:00-9:15h Opening: Prof. Luiz Pinguelli Rosa - Director - COPPE/UFRJ.

9:15-9:30h General Remarks on Aviation Safety. Overview of the AF447 Accident and the BEA Report : Prof. Átila P. Silva Freire - Laboratory of Turbulence Mechanics, COPPE/UFRJ.

9:30-10:00h Atmospheric Flight Mechanics: Prof. Robert Breidenthal – Department of Aeronautics and Astronautics, UW/Seattle.

10:00-10:30h Airlines and Demands of a Price-Competitive Environment: Prof. Elton Fernandes, Coppe/UFRJ.

10:30-11:00h Ice Accretion Modeling Review: Prof. S. A. Sherif, University of Florida at Gainesville.

11:00-11:20h Coffee Break

11:20-11:50h Residual Strength of Cracked Aeronautical Materials: Prof. Fernando Luiz Bastian, COPPE/ UFRJ.

11:50-12:20h Meteorological Data Review: Prof. Luiz Claudio Gomes Pimentel, Meteorology Institute, UFRJ.

12:20-14:00h Lunch

14:00-14:30h Ice Accretion Simulation on Wings with Anti-Icing System: Prof. Otavio de Mattos Silvas, Instituto Mauá de Tecnologia, São Paulo.

14:30-15:00h Thermography Applied to Anti-Icing Systems: Dr. Olivier Fudym, École des Mines d'Albi.

15:00-15:30h Coffee Break

15:30-16:00h Testing and Certification of Pitot Probes: Dr. Guilherme Araújo Lima da Silva, ATS4i Aero-Thermal Solutions for Industry, São Paulo.

16:00-16:30h Simulation and Wind Tunnel Testing of Heated Pitot Tubes: Eng. José Roberto Brito, COPPE/UFRJ, and Dra. Juliana Braga Loureiro, National Institute of Metrology, INMETRO.

16:30-17:00h Discussion and Final Remarks: Prof. Atila P. Silva Freire, COPPE/UFRJ.