



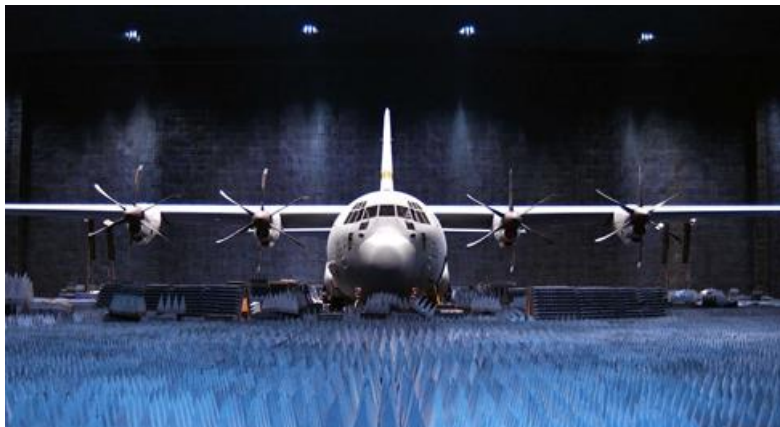
## EMI/EMC Training Aeronautics Fundamentals

**Date: April 25<sup>th</sup> & 26<sup>th</sup>, 2019**

Place: Parque Tecnológico São José dos Campos – PqTec

### SUMMARY

This course aims to assure a sound understanding on basic concepts such as electromagnetic compatibility & interference and immunity to high intensity radiated fields.



Carried out by highly qualified professionals, the training will also provide insights on subjects like lightning, static electricity discharge, bonding requirements and portable electronic device testing.

All topics are presented in a clear, objective way and specifically designed for aircraft application, featuring discussions about fuel tank ignition compliance and general aircraft electro-mechanical design.

### LOCATION

#### **PqTec**

Av. Dr. Altino Bondensan, 500  
Distrito de Eugênio de Melo  
São José dos Campos, SP

### DATE & TIME

**April 25<sup>th</sup> & 26<sup>th</sup>, 2019  
(Thu-Fri)**

8:00AM - 5:00PM  
(both days)

### INVESTMENT

**Enrollments up to April 5**

R\$ 2,000.00 (Reais)

**From April 6 up to April 19**

R\$ 2,250.00

**From April 20 on**

R\$ 2,500.00

### REGISTER & INFORMATION

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## Program Content

### Section 1: EMI/EMC Introduction

- EMC – electromagnetic compatibility
- EMI – electromagnetic interference
- EMC/EMI aeronautical requirements
- HLCL – HIRF lightning criticality level

### Section 2: HIRF (High Intensity Radiated Field) & IEL (Indirect Effects of Lightning)

- Full vehicle tests
- System integrated tests
- 14 CFR 25.1317 and 14 CFR 25.1316

### Section 3: Conducted and Radiated Emissions

- Radiated emissions tests
- Conducted emissions tests
- Aircraft intersystem tests

### Section 4: Aircraft Bonding Requirements

- Bonding techniques
- Aircraft fuel tank ignition compliance

### Section 5: ESD (Electrostatic Discharge) Effects

- ESD aircraft testing
- Aircraft assurance plan to avoid ESD issues



*LACE can tailor EMI/EMC courses to the needs of its clients, including the possibility of in-house trainings.*