ABOUT THE COURSE:
This comprehensive workshop will provide an awareness of all aspects for EME, HIRF, Lightning (systems/structure/ fuel tank), including aircraft testing/modeling, in regard to compliance to the existing rules.

With recent revisions to guidance material and FAA policy towards Fuel Tanks (25.981) and PED tolerance, it is critical that anyone working in this field be up to date on the developments.

TOPICS INCLUDE:
- Background and why HIRF/Lightning is important
- The FAA/European requirements to demonstrate compliance
  - FAA/EASA Harmonized HIRF and System Lightning requirements
- DO-160 Equipment Qualification
- Full Aircraft Certification and Testing, including methods for data reduction
- Pitfalls and problems
- Installation design issues
- Discussion of 25.981/25.954 Rule Revision and Compliance
- EME Modeling
- Direct Effects of Lightning Design and Compliance
- Discussion on PED tolerance Policy and Compliance

With emphasis on practical experience to certification and design guidance, this workshop is particularly relevant to engineers and technicians involved in all aspects of EME compliance, including aircraft HIRF and Lightning Clearance. As part of the practical presentations, the class will be provided demonstrations within the EME lab demonstrating critical aspects of the HIRF/IEL Compliance testing and design.

REGISTER:
www.wichita.edu/research/NIAR/Workshops/hirf.php