

AGENDA & CONTENTS*
INFRARED TECHNOLOGY AND APPLICATIONS (ITA-SPE-RA)
Georgia Institute of Technology

8:00 – 8:10 Review of Day 3 Test Answers

8:10 - 10:10 **X. Evaluation Tools**

Modulation Transfer Functions (MTF)
Aperiodic Transfer Functions (ATF)
Typical System MTFs & Super Resolution

9:20 - 9:30 Coffee Break

Cascading MTFs
Example Problem & Solution

10:05 - 12:05 **XI. System Performance Analysis**

Minimum Resolvable Temperature (MRT)
Contrast Threshold Function (CTF)
Performance Prediction Models

10:40 – 10:50 Coffee Break

System Requirements Flowdown
Recent Developments in Modeling & Analysis
Overlooked or Incorrect Analytical Assumptions

12:05 - 12:20 **XII. Summary & Discussion**

12:20 End of Program

*representative only, course is constantly changing due to on-going development to keep pace with rapidly evolving technologies