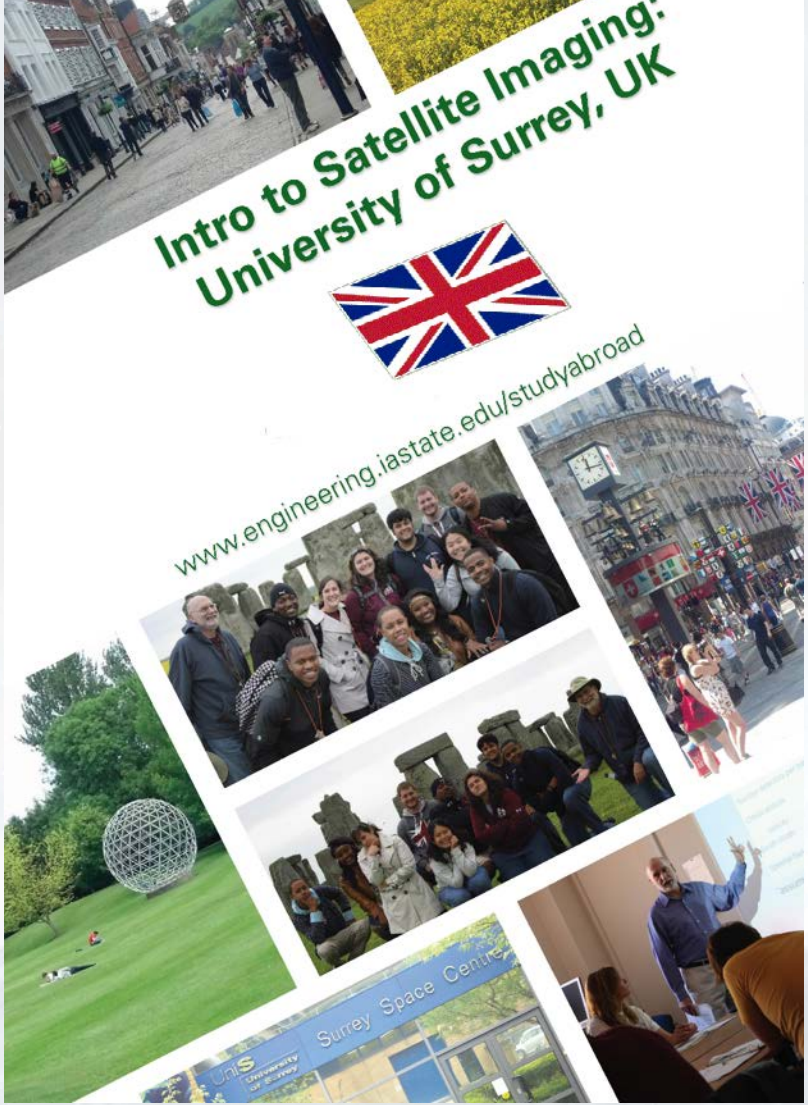
Intro to Satellite Imaging:
University of Surrey, UK
www.engineering.iastate.edu/studyabroad
Surrey Space Centre

Introduction to Satellite Imaging of the Earth

- **Students will receive credit (3 hours) for EE/GEOL/MTEOR/NREM 489/589**
- The content of the course will be delivered in 3 parts:
  - An online mini-course beginning in the second half of the spring semester
  - 3 in person meetings for lecture/discussion related to course content and planning for the overseas travel
- In country portion: one week in the UK based in Guildford, Surrey in association with the University of Surrey

Where is Guildford?

Introduction to Satellite Imaging of the Earth

Half-semester spring online class +
1 week in the UNITED KINGDOM
May 7-15, 2017

✓Study how satellites view and measure properties on Earth using visible light, infrared and thermal energy, imaging radar, and lasers.

✓ Learn how these images are used in different applications including: disaster response, precision agriculture, geology, forestry.

✓The fundamentals of electromagnetic radiation are presented without extensive mathematics (no calculus required).

✓Students will tour the Surrey Satellite Technology Ltd. (SSTL) company where satellites are manufactured and controlled in orbit.

Introduction to Satellite Imaging of the Earth

- *U. Surrey campus is a 10-15 minute walk from the city Centre and train station.*
- *Faculty seminars one day at Surrey Space Centre*
- *Guildford is 30 miles south-west of* ***London*** *with easy train service*
- *Included side trips are:*
    - *Stonehenge and Salisbury*
    - *British Museum, Science Museum, Buckingham Palace*
    - *Royal Observatory Greenwich, Nautical Museum*
- *One day of students' choice!*

Introduction to Satellite Imaging of the Earth

Town center Guildford

Univ. Surrey campus

Introduction to Satellite Imaging of the Earth

Surrey Satellite Technology Ltd.

Guildford cathedral

Introduction to Satellite Imaging of the Earth

Surrey hills

Classic British pubs

Lodging at the Asperion Hotel:

Includes daily full English breakfast

Program fees (preliminary): $2100

- **Program fee includes** lodging, daily breakfast, one dinner, most local transportation (including trip to Stonehenge and Royal Observatory in Greenwich).
- Undergraduate students can apply for a $1500 scholarship from the College of Engineering. The award is for all students from any major, regardless of college.
- GEAT students: a scholarship available with preference to this department (up to $2,000).
- Also apply for additional financial aid on the study abroad web site.

- Program director: Jim Aanstoos
  - aanstoos@iastate.edu