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## **Infrared imaging and spectroscopy using synchrotron light sources**

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### **Abstract content**

In this talk I will motivate why and when a synchrotron is a desirable infrared source for FTIR spectroscopy and microscopy. I will then present a series of scientific examples spanning many disciplines from Biology to Physics to Chemistry to Environmental Science. Infrared beamlines are part of every new synchrotron being built world-wide because they are cost-effective and produce high-impact science for the facility. The user community for IR beamlines continues to grow, and I will point out the new technical directions that future IR beamlines will exploit for even greater scientific impact.

### **Summary**

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