



# 学术报告

## Atom Probe Tomography Overview and Applications to Geoscience

报告专家: **Dr. Yimeng Chen (CAMECA Instruments Inc.)**

报告时间: **8月27日(周一)上午10:00**

报告地点: **综合楼702会议室**



Dr. Yimeng Chen graduated from Tsukuba University with a PhD in Materials Science and Engineering in 2011 with research focused on laser-assisted field-evaporation behavior of oxide materials. He was a postdoctoral researcher at University of Michigan from 2011 to 2014 working on oxidation behavior and irradiation effects in metals and alloys. He is currently an Atom Probe Applications Scientist at CAMECA with an interest in broadening the applications field for APT.

### Program:

■ Atom Probe Tomography (APT): Operational Theory

■ Introduction to APT Sample Preparation

■ Introduction to APT Data Reconstruction

■ APT Applications

- Geological Materials: Geochronology Pb/Pb Dating
- Standard Zircon
- Jack Hills Zircon
- Shocked Baddeleyite
- Pre-Solar Nano Diamond
- Correlative synergy
  - t-EBSD
  - TEM/STEM

■ Atom Probe Tomography Instrumentation

