

**Goldschmidt 2020 Virtual Workshop**  
**“Applications of isotope tracers to geochemical kinetics studies”**

**21 June 2020**

[Chen Zhu](#), Indiana University  
Jim Kubicki, University of Texas, El Paso

**Please double-click the title below to access the video recordings.**

09:00 – 9:30: [Welcome & introduction, Zhu](#)

09:30 – 10:00: [Challenges in geochemical kinetics, Sue Brantley, Penn State](#)

10:00 – 10:30: [Reaction mechanisms, activation energy, and rate laws, Kubicki](#)

10:45 – 11:45: [Experimental and modeling approaches in isotope tracer kinetics studies with examples, Zhu](#)

*12:00-12:30 lunch break*

12:30 – 13:30 Instrumentational analysis of non-traditional stable isotopes

- [Analytical methods in non-traditional stable isotopes, Fang-zhen Teng, University of Washington](#)
- [Q-ICP-MS and MC measurement of Si isotopes, Shelby Rader, Indiana Univ.](#)

13:30 – 15:40 Applications of the isotope tracer method

- [Application to borosilicate glasses, Stéphane Gin, CEA France](#)
- [Application to carbonate minerals, Jess Atkins, Cal Tech](#)
- [Applications to near-equilibrium silicate experiments, Zhu](#)
- [Potential applications for studying reaction mechanisms, Kubicki](#)

15:40 – 15:50 Concluding remarks, Kubicki & Zhu