



Research Assistant Professor at the University of Tennessee's Center for Renewable Carbon. In addition to his research projects, Dr. Chmely is interested in in-reach and outreach efforts to enable the meaningful participation of women and underrepresented groups in STEM. He lives with his wife, daughter, and cat in Happy Valley, and enjoys cooking and playing the piano in his spare time.

Register Today for Future City in Colorado – as a Mentor or Judge

What is Future City? Future City is a project-based learning program where students in 6th, 7th, and 8th grades imagine, research, design, and build cities of the future. See more [HERE](#) about Future City. This program cycle, Future City challenges 6th, 7th & 8th grade students to: Design a waste-free city using the principles of a circular economy. What is a circular economy? It is a sustainability approach based on nature's circular system and the idea of designing waste out of the production process. [Learn More Here!](#)

Student teams work with their educator and STEM mentor to create their competition deliverables:

Essay: 1,500 words to describe their future city.

Model: Teams get creative and build one model or multiple model segments to show off different parts of their city.

Project Plan: Keeps students organized and on top of all the details.

Speaker Biography: Dr. Stephen Chmely is an Assistant Professor of Agricultural and Biological engineering at Penn State. Dr. Chmely's research involves catalytic transformations of biomass and biomass fractions to produce innovative platform molecules. Work in his lab also focuses on producing novel bio-based soft materials that are relevant to additive manufacturing and 3D printing. Steve received an AS in Chemistry from Volunteer State Community College (Gallatin, TN, Go Pioneers!) in 2003, a BS in Chemistry and Physics from Western Kentucky University (Bowling Green, KY, Go 'Tops!) in 2006, and a PhD in synthetic inorganic chemistry from Vanderbilt University (Nashville, TN, Go 'Dores!) in 2010. He spent 2 years as a postdoctoral research associate at the National Renewable Energy Laboratory in Golden, CO, where he studied lignin valorization strategies, and 6 years as a

AIChE Meetings

2021

- Nov 2-4 [3rd Global Symposium on Waste Plastic](#)
Virtual
- Nov 3-5 [4th Int'l Conference on Microbiome Engineering](#)
Virtual
- Nov 7-19 [2021 AIChE Annual Meeting](#)
Boston Nov 7-11
Virtual Nov 15-19
- Nov 15-17 [5th Int'l Conference on Plant Synthetic Biology, Bioengineering & Biotechnology](#)
Virtual
- Dec 1-3 [4th Water Conference](#)
Virtual
- Dec 3 [8th Int'l Conference on Stem Cell Engineering 2021](#)
Virtual

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MEETING SCHEDULE

The Rocky Mountain Local Section (RMLS) of AIChE generally meets the second or third Tuesday of every month, September through May.