



THURSDAY, OCTOBER 21 2:00-2:50PM CM266

# ME Research Seminar

## The Three C's of Engineering: Calculus, Communication & Creativity

### **ANDREA SUROVEK, Ph.D., P.E.**

*Director of Faculty Development &  
Research Scientist, Mechanical Engineering  
South Dakota Mines*

#### **Speaker Bio:**

Andrea Surovek, Ph.D., P.E., is a structural engineer by training, an actress by avocation and an AFOL (adult fan of Lego®) and avid traveler by choice. She is the Director of Faculty Development at South Dakota Mines, and much of her current research is in pedagogy, mentoring and opportunities for all. Andrea received her Ph.D. from Georgia Tech, and holds multiple degrees in engineering and liberal arts from Purdue University.

#### **Talk Abstract:**

May people are aware of brainstorming as a means to help develop innovative solutions. But are we asking innovative questions? And are we really considering a full set of possible solutions?

This talk will discuss why number crunching matters, but why it is only a small portion of what we should be doing as engineers and innovative problem solvers.

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*LIVE on Zoom: [j.mp/F21researchseminar](https://j.mp/F21researchseminar)  
followed by social at 3pm in CM 215  
(The ME Zoo) with light refreshments  
Info & past videos: [me.sdsmt.edu](https://me.sdsmt.edu) > seminars*