

1145-97-1767      **S Lin\*** ([lins@savannahstate.edu](mailto:lins@savannahstate.edu)), 902 Boxwood Dr, Savannah, GA 31410. *Motivating Students with Dynamic Modeling.*

Dr. Winkel, director of SIMIODE promotes using computer modeling to teach Differential Equations. Dr. Panoff, director of SHORDOR.COM promotes using computer modeling to unzipped student's potential. I had a chance to attend both SIMIODE and SHORDOR workshops. I learned how to develop models that can be used in classroom and how to use models to teach classes. I used Dr. Winkel M and M model at all my classes. Different level students have different reports. I started using modeling to motivate student at all level classes. I used Dr. Panoff Have = Had + change model to inspire student working on undergraduate research in the topic of dynamic modeling of real world cases. Since all students have different background. Dynamic modeling is the best way to encourage students working on interdisciplinary field. Differential Equations are the best way to describe the change of any phenomena. However differential equation is a spooky term for many students. If we use difference quotient that students learned in College Algebra to approximate derivative, then even lower level students can enjoy differential equation models. At this presentation, I will introduce some models that I used in my classes. Those are sequence of models of model development. (Received September 24, 2018)