



Applied Mathematics Virtual Fall School 2021

September 20th - October 1st, 2021

Eligibility

- Advanced undergraduate or a current master's student in the related area of study- Mathematics, Physics, Engineering, and Computer Science
- Highly ranked among your class
- Good command of English
- Pass all KAUST interviews

Benefits

- Certificate of attendance that can add to your CV
- Internship opportunities to students who perform excellently in the school

Application Requirements

- Up-to-date CV outlining your experience and interests
- Current transcripts, in English
- Copy of your passport

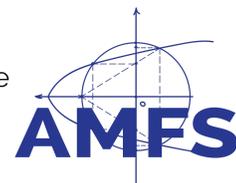
Wants to know more?
Visit: amfs.kaust.edu.sa

Contact us at:

CEMSE.internships@kaust.edu.sa

The AMFS 2021 school is 10 days online school that introduce models and algorithms and demonstrates the effect of advanced mathematical modeling and simulation approaches in practical problems from the life sciences.

It will present examples as paradigms for the process of modeling and simulation in biosciences.



Applied Mathematics
Virtual Fall School

Program and Topics

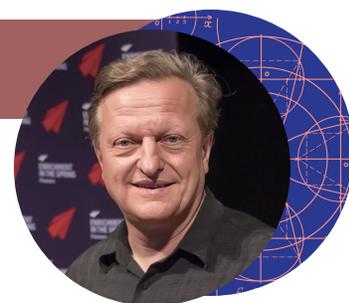
Modeling and Simulation of Biological Systems

The school includes theoretical and practical parts and will discuss the following topics:

- Modeling with PDE
- Discretization of PDE
- Solvers for large sparse systems of algebraic equations
- Modeling and Simulation of Diffusion through Human Skin
- Modeling and Simulation of Signal Processing in Neurons
- Modeling Biomass Fermentation

Meet our Host!

Dr. Gabriel Wittum is a Professor of Applied Mathematics and Computational Science and a member of the Extreme Computing Research Center at KAUST. [Read more](#)



HOW TO APPLY?

Participants are selected on a highly competitive basis. The application is online. Please scan the QR code above to apply.

Or apply here: amfs.kaust.edu.sa

Apply before August 15th, 2021