Other - PETE 7999 Graduate Seminar

## Computational Mathematics

**Susanne C. Brenner, Louisiana State University**

Boyd Professor

Patrick F. Taylor Hall 1253
September 06, 2019 - 03:00 pm

**Abstract:**

This is a general talk about computational mathematics. We will trace its fascinating history from ancient times to modern day in terms of people, machines and algorithms. We will discuss the goals and practices of computational mathematics, and the challenges and opportunities that it provides.

---

**Speaker's Bio:**

Susanne C. Brenner is a Louisiana State University System Boyd Professor. She holds a joint appointment with the Department of Mathematics and Center for Computation and Technology (CCT). At CCT she is also serving as the Associate Director for Academic Affairs since 2008. In 2005 she was awarded a Humboldt Forschingspreis (Humboldt Research Award) from the German Alexander von Humboldt Foundation. In 2011 she was awarded the AWM-SIAM Sonia Kovalevsky Lecture. She is a SIAM Fellow (Class of 2010), AMS Fellow (Inaugural Class 2013) and AAAS Fellow (2012). Currently she serves as Managing Editor of Mathematics of Computation. She also serves on the editorial boards of the SIAM Journal on Numerical Analysis, Numerische Mathematik, Numerical Algorithms, Electronic Transactions on Numerical Analysis, the Journal of Numerical Mathematics and SIAM Classics in Applied Mathematics. She serves on the National Science Foundation Advisory Committee for the Mathematical and Physical Sciences (since 2016) and the AMS Council (since 2012). She is currently also a Member-at-Large of the American Association for the Advancement of Science (Section A). In addition, she was a member of the Electorate Nominating Committee for the American Association for the Advancement of Science (Section A) and the SIAM Fellows Selection Committee (2014-2016; Chair 2015-2016). She is a past SIAM Vice President for Publications and served on the SIAM Council.



Center for Computation & Technology
2003 Digital Media Center • Telephone: +1 225/578-5890 • Fax: +1 225/578-8957