

Mathematics & Statistics

The 2009 James "Duke" Sehnert Memorial Lecture

Soap Bubbles and Mathematics

Monday, October 12, 2009 at 7:30 p.m.

BP 200 Auditorium

Soap bubbles continue to fascinate and confound mathematicians. The show will include demonstrations, explanations, and prizes. Public welcome, fifth graders and above.

Dr. Frank Morgan studies optimal shapes and minimal surfaces. He has published 150 articles and six books, including "Calculus Lite" and "The Math Chat Book," based on his live, call-in TV show and column. He is the founder of the NSF "SMALL" Undergraduate Research Project, the inaugural winner of the Haimo National Teaching Award of the Mathematical Association of America, and current Vice-President of the American Mathematical Society.



Photo courtesy of Jeff Bauer of Citco

Dr. Frank Morgan

Professor of Mathematics

Williams College, MA

Professor Morgan went to MIT and Princeton, where his thesis advisor, Fred Almgren, introduced him to minimal surfaces. He then taught for ten years at MIT, where he served for three years as Undergraduate Mathematics Chairman, received the Everett Moore Baker Award for excellence in undergraduate teaching, and held the Cecil and Ida Green Career Development Chair.

He spent leave years at Rice, Stanford, and the Institute for Advanced Study, served on the NSF Math Advisory Committee from 1994-97, and as chair of the Hudson River Undergraduate Mathematics Conference in 1997.

In January, 1993, he received one of the first MAA national awards for distinguished teaching. In 1995 he represented mathematics research at the exhibition for Congress by the Coalition for National Science Funding. He received the Allen High School Distinguished Alumni Award and an honorary doctorate from Cedar Crest College. For 1997-98 he held the first Visiting Professorship for Distinguished Teaching at Princeton University. From 2000-2002 he served as Second Vice-President of the Mathematical Association of America.

Sponsored by the NKU Department of Mathematics and the NKU Center for Integrative Natural Science and Mathematics. For further information, contact Dr. Andy Long at longa@nku.edu or by phone at (859) 572-5974 or (859) 572-5377.

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