

SIAM Conference on Mathematics of Planet Earth
Assessing Risks to Global Food Systems

Molly Jahn, University of Wisconsin

Public Lecture, Saturday, 10/1/2016, 1:00-1:45PM

Doubletree Hotel, 237 S Broad Street, Philadelphia, PA



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DoubleTree by Hilton Hotel Philadelphia Center City
Philadelphia, Pennsylvania, USA

Climate change, biodiversity, infectious diseases, sustainability, energy, food, and water are among the areas of greatest global concern. The Mathematics of Planet Earth activity group of the Society for Industrial and Applied Mathematics (SIAM) provides a forum for mathematicians and computational scientists engaged in these critical priority areas.

It is estimated that the world's food production will have to double by 2050 to feed a growing global population. But this depends on a number of assumptions about technology, infrastructure, dietary demand, conflict, and other factors. At the same time, climate change, political instability, and environmental degradation all are impacting the global food system. It is of vital interest to understand how the resulting risks and uncertainties affect our food system.

Prof. Jahn will describe risks and opportunities related to the food system. She will report on recent work in which mathematicians and statisticians collaborated with food system experts and decision makers to study the impact of acute disruptions to the global food supply. This effort was commissioned by Lloyd's of London.

Molly Jahn is professor of agronomy at the University of Wisconsin-Madison. She served as dean of UW's College of Agricultural and Life Sciences and as Director of the Wisconsin Agricultural Experiment Station. In 2009-10, she was Acting Under Secretary of Research, Education and Economics at the U.S. Department of Agriculture.



This event is free and open to the public.