

## Special Colloquium

### Department of Mathematics University of Florida



## George Andrews

Evan Pugh Professor Mathematics  
Penn State University

*Immediate Past President*  
American Mathematical Society

*Member*  
National Academy of Sciences

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Introduced by

## Burt Singer

Emerging Pathogens Institute  
University of Florida

*Member*  
National Academy of Sciences

## *The Data Deluge as the Wave of the Future*

**ABSTRACT:** We live in a world that is increasingly dominated by data. There are some very exciting scientific achievements that exploit the deluge of data. This talk will be devoted to some of the less appealing side effects when data is the chief way to make new discoveries and to convey trustworthy information.

After supplying some background, I will discuss a variety of metrics designed to provide meaningful evaluation of various data sets. I will concentrate on metrics that already affect academic life. The final portion of the talk will be devoted to the impact of all this on education. One of my biggest concerns is that many of the problems to be described go almost unnoticed by everyone. *The talk is a revised version of my Retiring Presidential Address given to the American Mathematical Society on Jan. 5, 2012.*

4:05-4:55 pm  
February 6, 2012  
LIT 109  
Refreshments follow in  
LIT 339