

2012

Thirteenth Kenneth C. Schraut Memorial Lecture (Poster)

University of Dayton. Department of Mathematics

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Math Events 2012

University of Dayton

The Thirteenth Kenneth C. Schraut Memorial Lecture

Saturday, November 3, 2012, 12:45 p.m. – 1:45 p.m.
UD Science Center Auditorium



Creating Macroscopes with Technology and Analytics: New Possibilities in Our Lives – The Important Role of Tomorrow’s Mathematics Professionals

Dr. Lilian S. Wu, Program Executive, Global University Programs, IBM Technology Strategy and Innovation

Abstract: Our world is increasingly computerized, interconnected, and instrumented with sensors. Massive amounts of data are being captured in computer systems about our natural environment and man-made engineered structures, processes, and systems. But it is necessary to make sense out of all this data. With new computer methods computers can in effect become macroscopes, enabling us to see the world portrayed by our data.

Much of our smart world so far has been built using highly structured data; but a large portion of information today is unstructured; much is based on natural language which is often highly contextual and full of ambiguity. The sheer mass of this unstructured data makes it difficult for unassisted humans to assimilate, and we are just beginning to explore what computers can do to assist.

In this talk I will give examples of our smarter world today and a variety of possibilities for the future.

Biennial Alumni Seminar

Saturday, November 3, 2012, 1:55 – 4:45 p.m.

UD Science Center Auditorium

Panel Session, 1:55 – 3:10

Statistics

- Kennon R. Copeland (75), Sr. Vice President and Director, Statistics and Methodology, NORC at the University of Chicago

Biostatistics

- Rafe Donahue (87), Senior Director, Statistics, BioMimetic Therapeutics, Inc.

Business

- Diane Schulte (75), Director, Strategic Initiatives, Noblis

Information Technology

- Judith W. Miller (82), Senior Software Engineer, Hurco Manufacturing Co.

Government

- Robert Karkoska (73), Mathematician, USG/Department of Defense

Engineering

- Vincent J. Velten (82), Technical Advisor, Electro-Optical Exploitation Technology Branch, Air Force Research Laboratory

High School Teaching

- Erin Schultz (01), Curriculum Specialist, Butler Technology and Career Development Schools

College Teaching

- David Prier (06), Assistant Professor of Mathematics, Gannon University

Operations Research

- David Applegate (84), Lead Member of Technical Staff, AT&T Labs Research

Actuarial Science

- Stephen P. Hodges (77), FSA, CERA, MAAA, Vice President Asset/Liability Management, Nationwide Financial

Finance

- Curtis Schultz (01), Senior Vice President, Citigroup, Business Planning & Analysis

Women in Mathematics

- Lilian S. Wu, Program Executive, Global University Programs, IBM Technology Strategy and Innovation

You are invited! Lunch is served beginning at 11 am.

Additional details and registration at:

<http://academic.udayton.edu/MathEvents/Fall12>