

"Randomness and Complexity"

A symposium celebrating Gregory Chaitin's 60th Birthday

November 15, 2007

Watson Auditorium

8:30 - 9:00

Coffee and Refreshments

9:00 - 9:15

-- Dr. Charles Bennett, IBM Research

Opening Remarks

9:15 - 10:00

-- Professor George Markowsky, University of Maine

"Gregory Chaitin and Algorithmic Information Theory"

10:00 - 10:45

-- Professor Cristian Calude, Auckland University, New Zealand

"Most programs stop quickly or never halt"

10:45 - 11:15

Coffee Break

11:15 - 12:00

-- Professor Martin Davis, University of California, Berkeley

"Aspects of Undecidability"

12:00 - 12:45

-- Dr. Daniel Prenner, IBM Research

" Computer Architecture and Programming"

12:45 - 1:45

Lunch

1:45 - 2:00

Remarks by Gregory Chaitin

2:00 - 2:45

-- Professor Jonathan Borwein, University of Halifax, Canada

"Computer-assisted discovery in mathematics"

2:45 - 3:30

-- Professor Doron Zeilberger, Rutgers University

"An Enquiry Concerning Mathematical Understanding"

3:30 - 4:15

-- Professor William Byers, Concordia University, Montreal, Canada

"Mathematics in the Light of Ambiguity"

4:15 - 4:30

Coffee Break

4:30 - 5:15

-- Professor Rebecca Goldstein. Harvard University

"Mathematicians as Philosophers."

5:15 - 6:00

-- Professor Max Tegmark, MIT

"Cosmic Complexity"

6:00 - 7:00

Reception in Cafeteria