Cornell UniversityComputer Science
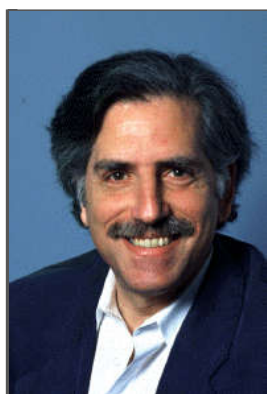
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Tim Teitelbaum

Professor Emeritus
Cornell University
Computer Science Department
Cornell University

CEO
GrammaTech, Inc.
www.grammatech.com

View my CV.

Education:

Carnegie-Mellon University
1975 | Ph.D., Computer Science

Massachusetts Institute of Technology
1964 | B.S., Mathematics

Positions:

2010-present - Professor Emeritus,
Department of Computer Science, Cornell University

1988-present - Chairman and CEO,
GrammaTech, Inc., Ithaca, NY

1973-2010 - Faculty,
Department of Computer Science, Cornell University

1982-83 - Visiting Researcher,
Institut National de Recherche en Informatique et en Automatique (INRIA), Rocquencourt, France

Tim Teitelbaum's research is focused on automatic program analysis with the ultimate goal of solving the important cyber-security concerns of the modern world. Making the cyber-world a safer place includes uncovering bugs and vulnerabilites in software that can be exploited by attackers around the globe.

To protect software from attacks optimally, we must analyze both source code and machine code during software development. Analzying source code is critical for developers to understand the vulnerabilities that may exist in the code they are writing. Analyzing machine code allows organizations to scan components of code, such as libraries or full applications, using stripped executables. By analyzing the code as it will be executed in the final application, we are able to achieve deeper insight than would be attainable from analysis of source code alone.

Dr. Teitelbaum retired from Cornell in June 2011 to devote his time to [GrammaTech, Inc.](), where he is the CEO. He continues to pursue both his research interests and the transition of research to commercial products.

Honors and Awards:

2010
ACM SIGSOFT Retrospective Impact Paper Award for the 1984 paper, "The Synthesizer Generator" co-authored with Dr. Thomas Reps

2003
Recognized as a "Highly Cited Researcher" in the field of Computer Science by the Institute for Scientific Information.

1996
Dean's Award for Outstanding Teaching

1996
College of Engineering Teaching Award

1986
Dean's Prize for Innovation in Undergraduate Teaching

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