

Modeling and Simulation Body of Knowledge (MSBOK)

Some Vision Quotations

updated by Dr. Tuncer [Ören](#): 2018-02-02

"Until we attempt to simulate a system, we don't realize how little we know about it."

Donald Knuth

"Man, who wish to know about the world must learn about it in its particular details."

Heraclitus of Ephesus

"The wealth of detail guarantees the truth of the tale."

Mason Cooley

"Truth emerges more easily from error than from confusion."

Francis Bacon

"I never perfected an invention that I did not think about in terms of the service it might give others... I find out what the world needs, then I proceed to invent"

Thomas Edison

In a [letter addressed to the President](#), (Congressman Randy) Forbes states: "Modeling and Simulation is the most powerful tool available to support our nation's international competitiveness in a wide variety of economic sectors. . . . The [Modeling and Simulation Caucus](#) offers you and your Administration a distinctive and imaginative opportunity to highlight your commitment to America's international economic competitiveness. . . . There is much promise in what Modeling and Simulation can offer to our country. I look forward to working with you to ensure that the United States remains a world leader in science and technology through the application of innovative solutions such as Modeling and Simulation" 2006 April 26.*

** from MSIAC M&S Newsletter, May 2006*

"Seldom have so many independent studies been in such agreement: simulation is a key element for achieving progress in engineering and science."

Report of the National Science Foundation (NSF)

Blue Ribbon Panel on [Simulation-Based Engineering Science](#), May 2006

"Simulation is like a gem; it is multi-faceted. Without a comprehensive and integrative view of modeling and simulation, any attempt to develop an M&S BoK would miss some of its important aspects."

Tuncer Ören