

**ISTeC**



**Colorado  
State  
University**

**The Information Science & Technology Center**

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**Colorado State University's  
Information Science and Technology Center (ISTeC)  
presents two lectures by**



**Norm Augustine**  
**Retired Chairman & CEO**  
**Lockheed Martin Corporation**

## **ISTeC Distinguished Lecture**

**in conjunction with the  
Electrical and Computer Engineering Department and  
Computer Science Department Seminar Series**

### **“The Rise and Fall of Systems Engineering”**

**Monday, September 28, 2009**

Reception: 10:30 a.m.

Lecture: 11:00 – 12:00 noon

Location: Lory Student Center Cherokee Park Ballroom



## **ISTeC Special Seminar**

### **“The Expanding Role of Education in America's Competitiveness”**

**Monday, September 28, 2009**

Reception: 3:30 p.m.

Lecture: 4:00 – 5:00 p.m.

Location: Lory Student Center Room 228

# ABSTRACTS

## **“The Rise and Fall of Systems Engineering”**

As solutions to technological challenges have become more and more complex exploding demand has been created for engineers possessing the breadth of knowledge to address systems issues. One of the attributes of good systems engineers is, unfortunately, the prior accumulation of scar tissue. This lecture seeks to provide the listener with “virtual” scar tissue, based upon the lessons learned by the speaker during nearly a half-century career.

## **“The Expanding Role of Education in America’s Competitiveness”**

The twenty-first century has been characterized as the Knowledge Age; an era of “the global village”; “technology’s greatest moment.” Each would seem to be true, and each has serious consequences for America’s educational system from pre-kindergarten to post-doc. Increasingly, the nation’s ability to compete for jobs will depend upon the excellence of its overall educational system—a system that today finds itself perilously positioned.

## **SPEAKER BIOGRAPHY**

**Norman R. Augustine’s** distinguished career in the science and technology arena has included prominent positions in government, industry, academia, and the nonprofit sector. He is widely known for chairing the National Academies committee that produced the report “Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future.” Dr. Augustine has served as under secretary and acting secretary of the Army, Chairman and CEO of Martin Marietta Corporation and later of Lockheed Martin Corporation, and professor at Princeton University. He has been chairman of the National Academy of Engineering, the Defense Science Board, the American Red Cross, and the Aerospace Industries Association, and was a 16-year member of the President's Council of Advisors on Science and Technology. He is a Regent of the University System of Maryland, a former trustee of MIT and Princeton University, and a trustee emeritus of Johns Hopkins. His honors include the National Medal of Technology and the Vannevar Bush Award. He is a five-time recipient of the Defense Department's Distinguished Service Medal and holds 23 honorary degrees.

**ISTeC (Information Science and Technology Center)** is a university-wide organization for promoting, facilitating, and enhancing CSU’s research, education, and outreach activities pertaining to the design and innovative application of computer, communication, and information systems. For more information, please see [ISTeC.ColoState.edu](http://ISTeC.ColoState.edu).

**Both lectures are open to the public.**