

THE COLLEGE OF ENGINEERING AND THE
CORNELL UNIVERSITY SUSTAINABLE DESIGN TEAM
PRESENT

**DR. JOHN A. SWANSON '61,
BME '62, MS ME '63**

President, Swanson Analysis Services, Inc.

***The Future of Small Scale
Photovoltaic Solar Energy***



Wednesday, October 9—5:00 p.m.—155 Olin Hall

An internationally recognized authority and innovator in the application of finite-element methods to engineering, **Dr. John Swanson**, who holds a Ph.D. in applied mechanics from the University of Pittsburgh, founded ANSYS, Inc. in 1970 as Swanson Analysis Systems, Inc., serving as President and CEO until 1994, and as Chief Technologist until his retirement in March 1999. An industry leader, ANSYS develops and globally markets engineering simulation software and technologies widely used by engineers and designers across a broad spectrum of industries. Prior to founding ANSYS, Dr. Swanson worked at Westinghouse Astronuclear Laboratory. **Dr. Swanson recently invested in Applied Quantum Technology (AQT), a California startup company with the objective of reducing the cost of PV Solar Power by another factor of two.**

In 2009, Dr. Swanson was elected a member of the National Academy of Engineering, the highest honor bestowed in the field of engineering. Other recognition and awards include: 2011 William Metcalf Award from the Engineers' Society of Western Pennsylvania; 2006 ASME President's Award; 2004 John Fritz Medal from the American Association of Engineering Societies; 1998 Distinguished Alumnus Award from the University of Pittsburgh School of Engineering; 1996 Washington & Jefferson College Outstanding Entrepreneur of the Year; 1994 Industry Week's "Top 5 out of Top 50 R&D Stars in the U.S."; 1991-93 ANSYS CAD/CAM Leader Award voted by Machine Design; 1990 Computers in Engineering Award for outstanding contributions to the engineering and computing industries; 1986-87 Pittsburgh Engineer of the Year by ASME. The John A. Swanson School of Engineering at the University of Pittsburgh is named in his honor. Dr. Swanson is currently on the Board of Trustees at the University of Pittsburgh and was on the Board of The ASME Foundation and served two terms as a Trustee of Washington & Jefferson College. He is a member of the Engineering College Council at Cornell.