

# Honeywell Nobel Initiative

## Honeywell-Nobel Laureate Lecture Series

In Association with



The Honeywell-Nobel Laureate Lecture Series is the centerpiece of the Honeywell-Nobel Initiative, a global science education effort that connects university students with recipients of the world's most prestigious award, the Nobel Prize. This series of live, on-campus events brings Nobel Laureates in chemistry and physics to selected universities in the United States, Europe, India and China for two days of direct, high-impact interactions and experiences with students and faculty in a variety of educational settings designed to link one generation of leading scientists with the development of the next.

## CREATIVITY, DISCOVERY AND RISK: NOBEL PRIZES PAST AND FUTURE

A Lecture by Alan J. Heeger  
Nobel Laureate in Chemistry

Tuesday, May 13, 2008 10:00 a.m.

Brno University of Technology, Brno, Czech Republic  
Faculty of Information Technology, Bozotechnova 2

### ABOUT THE LECTURE:

In his lecture, Professor Heeger will focus on creativity and discovery in science and the close association of creativity with risk-taking in scientific research. He will use examples from his life to illustrate creativity, and will distinguish discovery and creativity in past Nobel Prizes. He will also summarize the early discoveries in the field of semiconducting and metallic polymers, and the risks associated with that early work. His lecture will focus on some of his current scientific and entrepreneurial activities that range from polymer based solar cells to biosensors. His talk will conclude with advice to young and aspiring scientists, to the Nobel Laureates of the future.

Tune in LIVE at [www.honeywellscience.com](http://www.honeywellscience.com)

## ABOUT ALAN J. HEEGER:

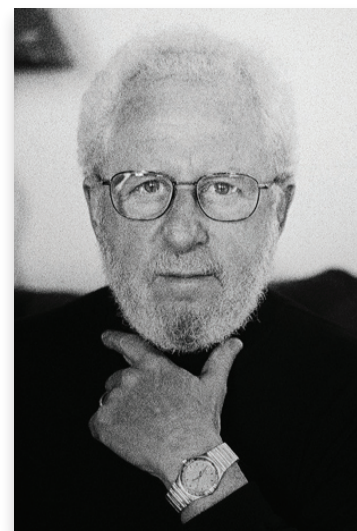
Alan Heeger completed his Bachelor of Science degree at the University of Nebraska and his PhD in Physics from UC Berkeley in 1961. He began his academic career as Assistant Professor at the University of Pennsylvania in 1962 and was made Professor in 1967 and served at PENN as Director of the Laboratory for Research on the Structure of Matter and, subsequently, as Vice Provost for Research.

Professor Heeger moved to UC Santa Barbara in 1982 where he was a founding member of the Materials Department (in Engineering) and he was a founder and first Director of the Institute for Polymers and Organic Solids. He currently holds the Presidential Chair at UCSB where he serves as Professor of Physics and Professor of Materials.

Widely known for his pioneering research in and the co-founding of the field of semiconducting and metallic polymers, Professor Heeger is also the recipient of numerous awards, including the Nobel Prize in Chemistry (2000), the Oliver E. Buckley Prize for Condensed Matter Physics, the Balzan Prize for the Science of New Materials, the Eni Italgas Prize for Energy and the Environment, the President's Medal for Distinguished Achievement from the University of Pennsylvania, the Chancellor's Medal from the University of California, Santa Barbara, and honorary doctorates from more than a dozen universities in the United States, Europe and Asia.

Professor Heeger has more than 800 publications in scientific journals and holds approximately 50 patents. He founded UNIAX Corporation in 1990, which was acquired by DuPont in 2000 and is a Venture Partner in NGen Partners, a materials-based venture capital firm in Santa Barbara. He is Chairman and Co-Founder of CBrite Inc. in Santa Barbara, a start-up that is focusing on opportunities for printing "plastic electronics". He is Vice-Chairman and Co-Founder of CytomX, a biotechnology start-up with new technology that is relevant to a variety of problems in biotechnology. He is Chief Scientist and Co-Founder of Konarka Technologies; Konarka is focused on developing low-cost plastic solar cells comprising semiconducting polymers, which is based upon Professor Heeger's science and subsequent patents.

His research group in the Center for Polymers and Organic Solids continues to focus on the science and technology of semiconducting and metallic polymers.



## ABOUT BRNO UNIVERSITY OF TECHNOLOGY:

Brno University of Technology (BUT, <http://www.vutbr.cz>) was founded in 1899 in Brno as the first technical university in Moravia, the eastern part of the Czech Republic. As the only technical university in the Czech Republic, BUT covers the whole spectrum of technical disciplines from the faculties list, including Faculty of Mechanical Engineering, Faculty of Civil Engineering, Faculty of Electrical Engineering and Communication, Faculty of Information Technology, Faculty of Chemistry, Faculty of Business and Management, Faculty of Architecture and Faculty of Fine Arts.

With more than 21,000 students, the Brno University of Technology is one of the largest universities in the Czech Republic. BUT provides education in Bachelor, Master, and Doctoral (Ph.D.) study programs covering nearly 160 fields of study. The university promotes interdisciplinary branches such as materials science and engineering, mechatronics, mathematical and physical engineering, ecological engineering, biomedical engineering and medical informatics and industrial design. BUT received a prestigious certificate of European Commission, "Diploma Supplement Label," in 2006 and received high recognition by the scientific community worldwide for results achieved within several research fields.



## ABOUT HONEYWELL:

### Honeywell



With a history that dates back to 1885, today's Honeywell is a \$34 billion technology leader employing 118,000 people in nearly 100 countries, delivering high-quality innovations to customers every day through our four business units: Aerospace, Automation and Control Solutions, Transportation Systems and Specialty Materials. Honeywell is renowned for our world-class products and services. To sustain our leadership position, we hire the best people; give them every possible opportunity to learn, grow, and develop; and reward them for their contributions. We offer career paths that span product lines, job types, businesses and countries. All of this makes Honeywell an attractive place to build a career.

[www.honeywell.com/sites/cz/](http://www.honeywell.com/sites/cz/)

**Learn about Honeywell Innovations first-hand. Visit the Honeywell Technology Experience May 13 – 14, located in FIT VUT, Bozetechova 2, Hall Aula D-105.**

**To learn more about the Honeywell-Nobel Initiative, visit [www.honeywellscience.com](http://www.honeywellscience.com).**