



Governor's Office of Economic Development

BUSINESS • TOURISM • FILM

State of Utah

GARY R. HERBERT
Governor

SPENCER P. ECCLES
Executive Director

GREG BELL
Lieutenant Governor

Embargoed For Release

5:00 p.m., January 9, 2012



Contact:

Tami Goetz
State Science Advisor
801-538-8871
tgoetz@utah.gov

Michael Sullivan
Dir. of Communications, GOED
801-538-8811
mgsullivan@utah.gov

State Advisory Council for Science and Technology Announces Governor's Science and Technology Medals for 2011

Nine recipients to be honored at gala for their contributions and achievements

Salt Lake City, UTAH - Governor Gary R. Herbert and State Science Advisor Dr. Tami Goetz, along with the State Advisory Council on Science and Technology, have announced the winners of the Governor's Science Medals for 2011.

Over the last 24 years, the State of Utah has recognized innovators, entrepreneurs, educators and science industry pioneers with the annual Governor's Science Medals.

In an award ceremony that will be held in the Discovery Gateway Children's Museum on January 10, 2012, the Governor will recognize individuals and organizations that have made significant contributions to the furthering of scientific knowledge, education and industry in Utah and the nation.

Outstanding leaders from four professional sectors have been selected to receive awards:

Academia: Byard D. Wood – USU; Bruce Bugbee – USU; Edward Eyring – UofU

Industry: Tim Miller – Echelon Biosciences; Kelly B. Powers – CRBard Access Systems

Government: Amanda Smith – Dept. of Environmental Quality; Hugo Rossi – UofU

Special Recognition Award: Richard R. Nelson – Utah Technology Council; and the Utah Advanced Composites Team including Gary Harter – GOED, Jeff Edwards – EDCUtah, and Steve Rodgers – EmergenTek

The Governor's Medal award program was initiated in 1987 to recognize those who made career achievements and/or provided distinguished service that has benefited the State of Utah and the country in the areas of Science and Technology. Specific criteria were developed to determine the significance of these contributions to the economic development of the State.

The awardees and their areas of contribution are listed below:

Academia

Byard D. Wood

Department Head and Professor of Mechanical and Aerospace Engineering

Utah State University

Dr. Wood has impacted Utah's science and technology base through a five-decade career and commitment to developing sustainable, renewable energies including solar and biofuels, and to educating the next generation of Utah's bright and promising engineers. He launched the Utah Science, Technology and Research (USTAR) Biofuels Initiative to develop research facilities and infrastructure for biofuels and bioproducts research and development. Under his eight-year leadership, USU's Mechanical and Aerospace Engineering program has increased its undergraduate student population by one-third from 432 to more than 670, and graduate students have nearly doubled at 100. He has also demonstrated commitment to diversity and has doubled the number of female undergraduate students in the program.

Organization Contact: Tim Vitale, 435-797-1356, tim.vitale@usu.edu

Bruce Bugbee

Professor, Plants Soils and Climate Department

Utah State University

Dr. Bugbee's work has been guided by the idea that teaching is the highest form of understanding. Over a 30-year career at Utah State University, he has had a profound impact on both teaching and research. He has mentored 32 graduate students, taught over 1000 undergraduate students, and is internationally known for his work with NASA on food production in space. He is now collaborating with colleagues in the Colleges of Science and Engineering on algal biofuels. In 1996, he founded Apogee Instruments, a company that develops innovative sensors for measuring climate change, sustainable food production, and renewable energy. Apogee currently employees 16 people, most of whom are graduates of USU.

Organization Contact: Tim Vitale, 435-797-1356, tim.vitale@usu.edu

Edward "Ted" Eyring

Professor, Department of Chemistry

University of Utah

Dr. Eyring is a world-renowned expert in physical chemistry. Over his 50-year professional career at the University of Utah, he pioneered new experimental methods to study the rates of chemical reactions of metal ions in solution by rapidly perturbing conditions of the sample (temperature, electric-field, pressure). He was the first to combine photoacoustic detection with Fourier-transform spectroscopy, which provided the capacity to powerfully probe for chemical interaction occurring on solid surfaces. This work led to his current research in

developing new catalytic materials that improve the speed and efficiency of chemical reactions. He is also an award-winning classroom instructor and has been previously honored for his excellence in teaching.

Organization Contact: James DeGooyer, 801-581-3124, jdegooyer@science.utah.edu

Industry

W. Tim Miller
President/CEO

Echelon Biosciences, Inc. (EBI)

Mr. Miller is an experienced CEO, has been president of EBI for nearly 10 years and has for 30 years built successful teams in public and private companies. Utah successes include an IPO for a transdermal drug delivery company (Iomed) and building a bio-pharmaceutical company — EBI. He orchestrated the purchase EBI by Aeterna Zentaris, and subsequently the sale of EBI to Frontier Scientific Inc. of Logan, UT. He has been recognized as one of Utah's top 100 entrepreneurs three times (2005, 2006, 2008), received his MBA with honors from the University of Utah (first in his class) and is an Adjunct Professor of Business at the University of Utah.

Organization Contact: Chad Testa, 801-588-0455, ctesta@echelon-inc.com

Kelly B. Powers
Vice President of Research and Development
CRBard Access Systems

Mr. Powers has 30 years of experience in research and development engineering and management, including medical devices, medical diagnostics, implanted devices and process development. He has contributed to the success of Utah companies through his diverse abilities in research and development, product development, business development, clinical insight, knowledge of regulatory processes (both FDA and international), design controls and quality systems, intellectual property and contracts and negotiations. He is engaged as part of the Utah science and technology community through his work with various organizations such as the Utah Technology Council.

Organization Contact: Patrick Gasser, 801-522-5000, patrick.gasser@crbard.com

Government

Amanda Smith
Governor's Energy Advisor and Executive Director
Department of Environmental Quality

Ms. Smith's vision for the Utah Department of Environmental Quality (DEQ) includes safeguarding and improving the quality of life for all citizens of the state through protection of the environment, establishing DEQ as an authoritative voice for environmental protection, and building relationships of trust and transparency with all affected stakeholders. She has supported responsible economic growth by providing an efficient and predictable regulatory process. Under her guidance, the DEQ is applying Lean Six Sigma principles to work processes, which are improving efficiency, streamlining the permitting processes, shortening review times, and improving communication and transparency between the agency and the public.

Organization Contact: Donna Kemp Spangler, Public Information, 801-536-4484, dspangler@utah.gov

Education

Hugo Rossi
Professor Emeritus, Department of Math
University of Utah

Dr. Rossi has had a distinguished career in mathematics for over 50 years, but has also made a significant impact in science and math education. He was instrumental in creating the Center for Science and Math Education, as well as the Master of Science for Secondary School Teachers program. He created the ACCESS program, which helps to prepare high school girls for university science, math and engineering programs. He has also developed innovative online courses that infuse technology into science and math classrooms across Utah. Dr. Rossi's name is synonymous with the passion to improve math and science education opportunities for all of Utah's students.

Organization Contact: James DeGooyer, 801-581-3124, jdegooyer@science.utah.edu

Special Recognition

Richard R. Nelson
Founder and CEO
Utah Technology Council

Mr. Nelson is the founder and CEO of the Utah Technology Council, the premier trade association for Utah's 6,000 high-tech, life science and clean-tech companies. Under his leadership since 1999, the Council's industry-driven agenda helped create the Utah Fund of Funds, helped pass the Utah Science Technology and Research (USTAR) initiative, raised the rigor in high school science requirements, and has grown UTC at 18% a year for the past 8 ½ years. Mr. Nelson has been involved in helping to promote and support science and technology companies for many years. He has been a champion and advocate for the industry and has played a key role in passing landmark legislative efforts. He has been a strong representative of the Utah science and technology community both within and outside of Utah. Few have dedicated their lives to the Utah science and technology community to the degree that Mr. Nelson has in his role as CEO of the Utah Technology Council.

Organization Contact: Judy Young, Executive Director, 801-568-3500, jyoung@utahtech.org

Utah Advanced Composites Team
Gary R. Harter, Managing Director, Governor's Office of Economic Development
Jeff Edwards, CEO, Economic Development Corporation of Utah
Steven Rodgers, Principal, EmergenTek, LLC

The team of Gary Harter, Steven Rodgers and Jeff Edwards championed the cluster strategy with the Utah composites industry. As a result of the heightened awareness and collaboration among the Utah companies, the nation has noticed Utah's excellence and leadership in all aspects of the composites industry from raw fiber to new product design and manufacturing. The Utah composites industry is adding literally thousands of high-value technology jobs. The combination of Government (Gary Harter), Industry (Steven Rodgers), and Public/Private partnership (Jeff Edwards) was absolutely critical in fostering the best and largest example of community partnership and industry cluster economic development in Utah's technology history.

Organization Contacts: GOED, Gary Harter, gharter@utah.gov, 801-538-8784; EmergenTek, Steve

Rodgers, 801-259-8450 steven.r@emergentek.com; EDCUtah, Jeff Edwards, syorkin@edcutah.org, 801-323-4243

###

About the Utah Governor's Office of Economic Development (GOED)

Web: www.business.utah.gov

The Governor's Office of Economic Development (GOED) charter is based on Governor Gary Herbert's commitment to economic development statewide. Utah's economic development vision is that Utah will lead the nation as the best performing economy and be recognized as a premier global business destination. The mandate for this office is to provide rich business resources for the creation, growth and recruitment of companies to Utah and to increase tourism and film production in the state. GOED accomplishes this mission through the administration of programs that are based around targeted industries or "economic clusters" that demonstrate the best potential for development. GOED utilizes state resources and private sector contracts to fulfill its mission. For more information please contact: Michael Sullivan, 801-538-8811 or mgsullivan@utah.gov.