



# SYMPOSIUM SPEAKERS

*Speakers are listed in the order of their presentations.*

## Charles Gay

President, Applied Solar Applied Materials, Inc.

Dr. Charlie Gay was named president of Applied Solar and chairman of the Applied Solar Council at Applied Materials, Inc. in 2009. As president of Applied Solar, Dr. Gay is responsible for positioning Applied and the company's solar efforts with important stakeholders in the industry, technical community, and particularly governments around the world. As chairman of the Applied Solar Council, Dr. Gay leads a cross-company



forum to assure cohesiveness on solar-related initiatives and strategy related to technology and market development. An industry veteran with over 30 years of

experience in the solar industry, Dr. Gay joined Applied in 2006 as corporate vice president and general manager of the Solar Business Group.

Dr. Gay has a doctorate in physical chemistry from the University of California, Riverside. He holds numerous patents for solar cell and module construction and is the recipient of the Gold Medal for Achievement from the World Renewable Energy Congress.

## Norman Yeong-Jgi Chen

Former Deputy Director, Chemical Systems, Chung-Shan Institute of Science and Technology, Taiwan Ministry of National Defense

Norman was the first international student to receive a Ph.D. degree from UCR's Department of Chemistry (1970), under the supervision of Professor William H. Orttung. He completed his postdoctoral work at the University of Colorado, Boulder. After returning to his home country of Taiwan, Norman joined



the Chemical Systems division at Chung-Shan Institute of Science and Technology (CSIST), the primary R&D institution of the Taiwan Ministry of National Defense. He

served as the group leader of the physical chemistry division in Chemical Systems from 1972 to 1983. He became the deputy director of the CSIST Chemical Systems division in 1983 and served in that position for 20 years.

Norman was a board member of the Plan Evaluation and Progress Review committee for CSIST until his retirement in 2007. During his 32-year career at CSIST, he participated in and supervised research projects ranging from rocket propellant formulation to warhead technology to chemical warfare detection devices.

## Richard A. Gibbs

Professor of Medicinal Chemistry and Molecular Pharmacology, Purdue University

Dr. Gibbs was raised in Riverside, but went to the East Coast for his B.A. degree, at Johns Hopkins University in

1983. He returned home and obtained his Ph. D. in 1988 from UC Riverside for work on Vitamin D analogs and the development of new synthetic methods



with Professor William Okamura. From 1988 to 1991 he was an NSF post-doctoral fellow at Penn State University with Professor Stephen Benkovic, where

he worked on catalytic antibodies. He joined the Wayne State University faculty in 1992, and was promoted to Associate Professor in 1998. He moved to Purdue University in 2001, where he is currently Professor of Medicinal Chemistry and Molecular Pharmacology. Dr. Gibbs also serves as leader of the Medicinal Chemistry program in the Purdue University Center for Cancer Research. He was the recipient of a PhRMA Foundation Research Award (1992) and an American Cancer Society Junior Faculty Research Award (1996-1998), and is currently a University Faculty Scholar at Purdue. Professionally, he has served as Vice Chair (2005), Chair (2006), and Past Chair (2007) of the Division of Medicinal Chemistry of the American Chemical Society. He has served on a number of NIH and other study sections, and was a member of the NIH Drug Metabolism and Pharmacology study section (2006-2010).

Dr. Gibbs's research interests are focused on the enzymology and biological consequences of protein post-translational modifications. Specifically, he is interested in inhibitors of protein prenylation and associated posttranslational modifications as anticancer agents. As a part of this work, he has developed new synthetic methods useful in the generation of isoprenoid analogs. He and