

# ACS BANQUET



**ACS**  
Chemistry for Life™

**Friday, 20-JAN-2012**  
**5:30 PM—8:00 PM**  
⇒ **Dinner: 5:30 PM**  
⇒ **Program: 6:30 PM**

**Location: University Center**  
**University of North Florida**  
**12000 Alumni Drive**  
**Jacksonville FL 32224**  
**Phone: 904-620-4222**  
**Free Parking**  
**Casual Dress**

Please join the Jacksonville Section of the American Chemical Society for an informative evening featuring Dr. Thomas J. Meyer, Professor of Chemistry, University of North Carolina, Chapel Hill. Dr. Meyer's presentation is titled "*Solar Energy and our Energy Future. Science and Technology Challenges of the 21st Century.*" Prior to the featured presentation, Jax-ACS will recognize outstanding high-school teachers.

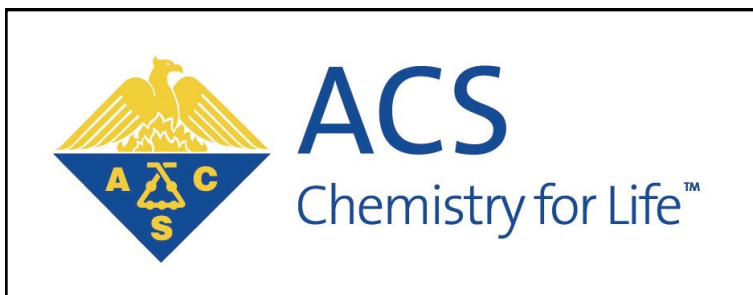
**Dinner will be provided for a small fee, \$5. Seating is limited thus reservations must be made in advance. We must receive your reservation and payment by 6 PM, 13-JAN-2012.**

**Complete the attached form and mail with your payment-check, made out to "Jacksonville Section-ACS" to:**

**Dr. Michael Lufaso**  
**Dept. of Chemistry 50/2716**  
**University of North Florida**  
**1 UNF Drive**  
**Jacksonville, FL 32224**



Dr. Thomas J. Meyer

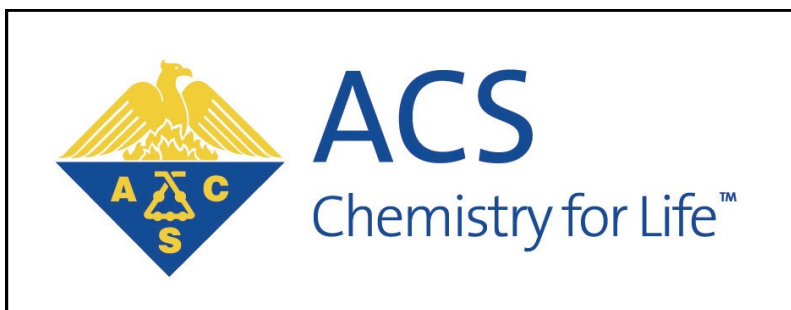


## **Thomas J. Meyer**

### ***Solar Energy and our Energy Future. Science and Technology Challenges of the 21st Century***

Energy is at the heart of our economic well-being but with a future clouded by uncertainties about oil and gas supplies and the impacts of global warming on the environment. In this talk Thomas J. Meyer, Arey Professor of Chemistry, Director of the UNC Energy Frontier Research Center on “Solar Fuels”, and former Associate Director of Strategic Research at the Los Alamos National Laboratory, will discuss this increasingly important global issue. He will discuss emerging and future technologies that could increase sustainability and efficient use of existing energy supplies with a focus on solar energy, its current status, its limitations, and its promise for the future.

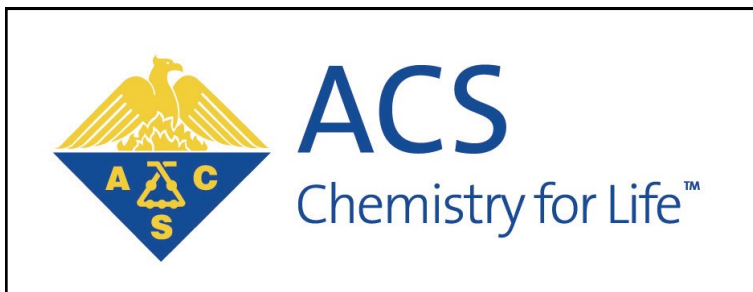
**Thomas J. Meyer**, is the Arey Professor of Chemistry and Director of the Energy Frontier Research Center on Solar Fuels, and Chief Scientist of the Research Triangle Solar Fuels Institute. In 2000 he was named Associate Director for Strategic Research at Los Alamos National Laboratory, NM. At Los Alamos, he oversaw research in support of nuclear weapons, threat reduction, and energy and environmental programs and was the LANL lead for economic development, intellectual property, and DOE programs in Science, Energy Efficiency and Renewables, and Nuclear Energy. From 1994 to 1999, he was Vice Chancellor for Graduate Studies and Research at UNC-CH where he oversaw a graduate and professional student program of over 8000 students and a research portfolio of > \$300 million. He led planning efforts that resulted in campus wide initiatives in genomics and bioinformatics, Arts Carolina, The Center for the Study of the American South, and others, enhanced graduate student support from the State of North Carolina and, the UNC Science Complex and other campus construction projects.



- continued -

Dr. Meyer holds a BS from Ohio University (1963) and a Ph.D. from Stanford (1966), under Henry Taube, Nobel Prize winner for Chemistry (1983). He was a NATO postdoctoral fellow at University College, London (1967) with Sir Ronald Nyholm. Dr. Meyer joined the faculty at UNC in 1968, was promoted to Professor in 1975, Smith Professor in 1982 and Kenan Professor in 1987. He was the Head of Chemistry from 1985 to 1990, Chair of the Curriculum in Applied Sciences from 1994 to 1997 and Vice Chancellor/Vice Provost for Graduate Studies and Research from 1994 to 1999. He served on the North Carolina Board of Science and Technology, the Executive Committees of the North Carolina Biotechnology Center, the Research Triangle Institute, the Triangle University Center for Advanced Study Inc., and on the Board of Associated Universities Inc. He has served on the Boards of the Mind Institute, the International Informatics Society, the National Center for Genome Research, the Coronado Ventures Forum, the Science and Technology External Advisory Board of Sandia National Laboratory and the Commission on Higher Education for the State of New Mexico. He was awarded the Order of the Long Leaf Pine for service to the State of North Carolina in 1999.

Meyer is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and has won many prizes for chemical research. His research has been notable for pioneering, innovative discoveries in chemical reactivity and applications to important problems in chemistry and energy conversion. This includes the first examples of; excited state electron transfer with implications for energy conversion (with D.G. Whitten, 1974), excited state electron transfer in a chromophore-quencher assembly (1978), polypyridyl Ru oxo complexes (1978), discovery of proton coupled electron transfer (PCET, 1981), a molecular catalyst for water oxidation (1982), application of the energy gap law to metal complex excited states (1982), chemical approaches to artificial photosynthesis (1989), first interfacial catalyst for CO<sub>2</sub> reduction (1989), Dye Sensitized Photoelectrosynthesis Cells (DSPEC, 1999), Modular Approach to Artificial Photosynthesis (2005), first characterized solution and interfacial single-site catalysts for water oxidation (2008-2010). He has published over 600 papers, holds three patents, and is one of the most highly cited chemists in the world.



## **JACKSONVILLE SECTION—AMERICAN CHEMICAL SOCIETY**

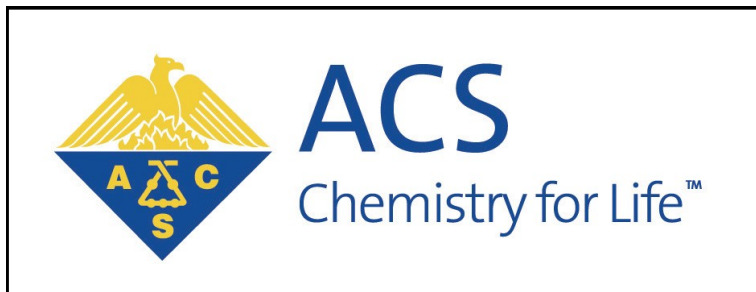
The Jacksonville Section includes ~250 members of the American Chemical Society (ACS) residing in Florida counties of Baker, Clay, Duval, Flagler, Nassau, Putnam, and St. Johns.

With over 163,000 members, the American Chemical Society (ACS) is the world's largest scientific society and one of the world's leading sources of authoritative scientific information. A nonprofit organization, chartered by Congress, ACS is at the forefront of the evolving worldwide chemical enterprise and the premier professional home for chemists, chemical engineers and related professions around the globe.

**ACS' Mission and Vision — “Improving people's lives through the transforming power of chemistry.”**

**For information please contact a member Jacksonville Section's 2012 Executive Committee or visit <http://jaxacs.org/>**

<b><u>CONTACT</u></b>	<b><u>POSITION</u></b>	<b><u>EMAIL ADDRESS</u></b>
Dr. Jennifer Bryant	Chair	<a href="mailto:jenniferagbryant@gmail.com">jenniferagbryant@gmail.com</a>
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# DINNER RESERVATION AND PAYMENT FORM

NAME: \_\_\_\_\_

GUEST: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PHONE #: \_\_\_\_\_

EMAIL: \_\_\_\_\_

\$5/ea.                      \$ \_\_\_\_\_

TOTAL DUE:                \$ \_\_\_\_\_

## ENTRÉE — CHOOSE ONE (for each person)

- Pesto Chicken
- Sesame Tuna
- Roasted Vegetable Pasta (vegetarian)

All entrées include a garden fresh spring-mix/citrus salad, chef's choice of starch and vegetable, freshly baked rolls with butter, New-York Cheese cake with strawberry topping, and water/tea/coffee service.

Mail completed form with your payment-check, made out to "Jacksonville Section—ACS" to:

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