

# AGENDA

Thursday, January 5, 2006

- 9:00 a.m. **Academy Registration\*** - *Galleria Ballroom Foyer*
- 10:00 – 10:35 a.m. **Annual Meeting of The Academy of Medicine, Engineering and Science of Texas\*** - *Galleria Ballroom*  
U.S. Senator Kay Bailey Hutchison,  
Dr. C. Thomas Caskey  
Dr. Donald R. Paul
- 10:45 – 11:45 a.m. **National Academy Meetings\***  
IOM - *Tanglewood Room*  
NAS - *Bellaire Room*  
NAE - *Galleria Ballroom*
- 10:45 a.m. **Protégé and Guest Registration** - *Galleria Ballroom Foyer*
- 11:45 – 12:00 a.m. **Break**
- 12:00 – 1:30 p.m. **Opening Luncheon** - *Plaza Ballroom*  
*Keynote:* Mr. Dean Kamen - President, DEKA Research and Development Corporation
- 1:45 – 3:00 p.m. **Presentations by the Recipients of the 2006 Edith and Peter O'Donnell Awards** - *Galleria Ballroom*
- 3:00 – 3:15 p.m. **Break**
- 3:15 – 5:15 p.m. **Engineering Symposium** - *Galleria Ballroom*  
*Moderator:* Dr. Jim Jirsa - Janet S. Cockrell Centennial Chair in Engineering, The University of Texas at Austin  
*Presenters:* Dr. Joseph P. Colaco - Professor, College of Architecture, University of Houston, President, CBM Engineers, Inc.  
*"Design and Construction of an Innovative Panel System for Affordable, Safe, Energy Efficient Housing"*  
Dr. Arumugam Manthiram - Ashley H. Priddy Centennial Professor, Department of Mechanical Engineering, The University of Texas at Austin  
*"Prospects and Challenges of Fuel Cell Technology"*  
Dr. Robert Sandstrom - Exxon Mobil Upstream Research Supervisor, Offshore Division - Marine Engineering Section  
*"Technology Challenges Facing Future Offshore Oil and Gas Development"*  
Dr. Kenneth H. Stokoe, II - Jennie C. & Milton T. Graves Chair in Engineering, Department of Civil, Architectural & Environmental Engineering, The University of Texas at Austin  
*"Subsurface Imaging of Ground Conditions for Engineering Applications"*
- 5:15 – 6:30 p.m. **Networking Time** - *Galleria Ballroom Foyer*
- 6:30 – 7:30 p.m. **Cocktail Reception** - *Galleria Ballroom Foyer*
- 7:30 – 9:30 p.m. **Dinner Honoring the Recipients of the 2006 Edith and Peter O'Donnell Awards** - *Galleria Ballroom*  
*Keynote:* Dr. Harvey Fineberg - President, Institute of Medicine
- 9:30 – 11:30 p.m. **After Dinner Reception** - *Galleria Ballroom Foyer*

\*Academy members and university presidents and chancellors only.

# A G E N D A

Friday, January 6, 2005

- 7:30 – 8:30 a.m. **Breakfast - Galleria IV**
- 7:30 – 8:30 a.m. **Board Breakfast Meeting - San Felipe Room**
- 8:30 – 10:30 a.m. **Biomedical Sciences Symposium - Galleria Ballroom**  
*Moderator:* Dr. Eric N. Olson - Professor and Chairman, Department of Molecular Biology, The University of Texas Southwestern Medical Center  
*Presenters:* Michael E. DeBakey, M.D. - Chancellor Emeritus, Baylor College of Medicine  
*"Mechanical Circulatory Assistance"*  
Helen H. Hobbs, M.D. - Howard Hughes Investigator, Professor of Internal Medicine, The University of Texas Southwestern Medical Center  
*"Genetic Protection from Coronary Atherosclerosis"*  
Dianna Milewicz, M.D., Ph.D. - President George H.W. Bush Chair of Cardiovascular Medicine, Professor and Director of Medical Genetics, The University of Texas Medical School at Houston  
*"Aortic Aneurysms and Dissections: Using Genetics to Unravel Pathways to These Fatal Diseases"*  
Thomas P. Zwaka, M.D., Ph.D. - Assistant Professor, Center for Cell and Gene Therapy, Department of Molecular and Cellular Biology, Baylor College of Medicine  
*"Embryonic Stem Cell Research"*
- 10:30 – 10:45 a.m. **Break**
- 10:45 – 12:15 p.m. **Physics Symposium - Galleria Ballroom**  
*Moderator:* Dr. Neal Lane - The Malcolm Gillis University Professor, Professor of Physics, Rice University  
*Presenters:* Dr. Thomas C. Killian - Assistant Professor of Physics and Astronomy, Rice University  
*"Pushing the Envelope of Plasma Physics: Ultracold Neutral Plasmas"*  
Dr. Allan MacDonald - Professor of Physics, The University of Texas at Austin  
*"Bose Condensation from Einstein to Our Time"*  
Dr. George R. Welch - Professor of Physics, Texas A&M University  
*"From Slow Light to FAST CARS"*
- 12:15 – 12:30 p.m. **Break**
- 12:30 – 2:15 p.m. **Luncheon - Plaza Ballroom**  
*Keynote:* Dr. Wendy Freedman - Director, Carnegie Observatories
- Closing Remarks**  
U.S. Senator Kay Bailey Hutchison  
Dr. Donald R. Paul, 2006 Academy President
- 2:15 p.m. **Adjourn**
- 2:30 p.m. *Buses depart Westin Galleria for NASA - (Please meet in hotel lobby.)*
- 3:15 – 5:00 p.m. **NASA: Behind the Scenes Tour (Space limited)**
- 6:00 p.m. *Buses return to Westin Galleria*