



MEETING OF THE BOARD OF REGENTS  
AND  
PRESIDENTS' RETREAT  
\* \* \* \*

December 2-3, 2010  
Ashbel Smith Hall  
201 West 7th Street  
Austin, Texas

THURSDAY, DECEMBER 2, 2010

		Page
A. CONVENE MEETING OF THE BOARD (Board Room, 9th Floor, Ashbel Smith Hall)	2:00 p.m.	
B. CONSIDER AGENDA ITEMS		
1. U. T. System Board of Regents: Approval of proposed appointment of Regent Printice L. Gary to the Audit and Ethics Committee of The University of Texas Investment Management Company (UTIMCO)	2:01 p.m. Action	1
2. U. T. Southwestern Medical Center – Dallas: Discussion and appropriate action regarding authorization to purchase approximately 1.399 acres of improved real property located at 2011 Record Crossing Road, Dallas, Dallas County, Texas, from Mr. Paul M. Dvorak for a purchase price not to exceed fair market value as determined by independent appraisals to use for access and parking for the New University Hospital	2:05 p.m. Action President Podolsky Ms. Mayne	2
C. RECESS TO EXECUTIVE SESSION PURSUANT TO TEXAS GOVERNMENT CODE, CHAPTER 551	2:10 p.m.	
1. Consultation with Attorney Regarding Legal Matters or Pending and/or Contemplated Litigation or Settlement Offers - Section 551.071		
a. U. T. System Board of Regents: Discussion with Counsel on pending legal issues		
b. U. T. Medical Branch – Galveston: Discussion and appropriate action regarding legal issues concerning contract for correctional managed care		
2. Personnel Matters Relating to Appointment, Employment, Evaluation, Assignment, Duties, Discipline, or Dismissal of Officers or Employees – Section 551.074		
a. U. T. Austin: Discussion and appropriate action regarding proposed change in employment terms and compensation for Men’s Athletic Director and Women’s Athletic Director		

- b. **U. T. El Paso: Discussion and appropriate action regarding proposed change in employment terms and compensation for Men’s Head Basketball Coach**
  - c. **U. T. System: Discussion and appropriate action regarding individual personnel matters relating to appointment, employment, evaluation, compensation, assignment, and duties of presidents (academic and health institutions), U. T. System Administration officers (Executive Vice Chancellors and Vice Chancellors), other officers reporting directly to the Board (Chancellor, General Counsel to the Board, and Chief Audit Executive), and U. T. System and institutional employees**
3. Deliberation Regarding Security Devices or Security Audits –  
Section 551.076
- U. T. System: Discussion and appropriate action concerning the deployment, or specific occasions for implementation, of security personnel or devices on U. T. System campuses**
- D. RECONVENE IN OPEN SESSION FOR APPROPRIATE ACTION, IF ANY,  
ON EXECUTIVE SESSION ITEMS *3:30 p.m.*
  - E. RECESS FOR PRESIDENTS’ RETREAT *3:45 p.m.*

**PRESIDENTS' RETREAT -- *Energy, Education, Change, and Collaboration Making a Difference***  
*(Meeting Room, 2nd Floor, Ashbel Smith Hall)*

- A. CONVENE RETREAT 4:00 p.m.
1. **Opening Remarks** *Chairman McHugh*  
*Chancellor Cigarroa*
2. **Panel #1: Energy** 4:30 p.m.  
***U. T. Leaders in Energy*** *Dr. Raymond Orbach,*  
*U. T. Austin*  
*Dr. Les Shephard,*  
*U. T. San Antonio*
3. **Panel #2: Education** 6:00 p.m.  
***Public Education in Texas*** *Dr. Mary Ann Rankin,*  
*U. T. Austin*  
*Dr. Jeanne Marcum Gerlach,*  
*U. T. Arlington*
- B. DINNER 7:30 p.m.  
*(Board Room, 9th floor, Ashbel Smith Hall)* *Dr. David Oshinsky,*  
*Jack S. Blanton Chair in History,*  
*U. T. Austin*
- C. RECESS 9:00 p.m.

FRIDAY, DECEMBER 3, 2010

BREAKFAST  
(2nd Floor, Ashbel Smith Hall)

8:00 a.m.

**PRESIDENTS' RETREAT -- Energy, Education, Change, and Collaboration Making a Difference**  
(Meeting Room, 2nd Floor, Ashbel Smith Hall)

D. RECONVENE PRESIDENTS' RETREAT

8:30 a.m.

4. **Panel #3: Change**  
***Transformations in Medical Education (TIME)***

8:30 a.m.  
Steve Lieberman, M.D.,  
U. T. Medical Branch – Galveston  
Dr. Pedro Reyes,  
U. T. System

5. **Panel #4: Collaboration**  
***Importance of Computational Sciences Across the U. T. System***

10:00 a.m.  
Dr. Brian Herman,  
U. T. Health Science Center –  
San Antonio  
Dr. Robert Moser,  
U. T. Austin

E. ***South Texas Initiative and What's on your mind?***

11:30 a.m.  
Chancellor Cigarroa  
Executive Vice Chancellor Kelley  
Executive Vice Chancellor Prior  
Executive Vice Chancellor Shine

F. ADJOURN RETREAT  
(lunch available for those who wish to stay)

12:00 p.m.

1. **U. T. System Board of Regents: Approval of proposed appointment of Regent Printice L. Gary to the Audit and Ethics Committee of The University of Texas Investment Management Company (UTIMCO)**

**RECOMMENDATION**

The University of Texas Investment Management Company (UTIMCO) Board of Directors recommends that the U. T. System Board of Regents approve the appointment of Regent Printice L. Gary to the Audit and Ethics Committee of the UTIMCO Board of Directors.

**BACKGROUND INFORMATION**

Section 66.08 of the *Texas Education Code* requires that the Board of Regents approve the appointment of members of the Audit and Ethics Committee of the Board of Directors of UTIMCO.

The Board of Directors of UTIMCO recommended this appointment at their meeting held on November 9, 2010, conditioned on the approval of the Board of Regents. Regent Gary was appointed to the UTIMCO Board of Directors by the Board of Regents on November 12, 2009. The Board of Regents previously appointed Regent Gary to a term on the UTIMCO Audit and Ethics Committee on December 9, 2009, which ended on July 15, 2010.

The other members of the UTIMCO Audit and Ethics Committee include Vice Chairman Janiece Longoria (Chair), Director Erle Nye, and Director Charles W. Tate.

2. **U. T. Southwestern Medical Center – Dallas: Discussion and appropriate action regarding authorization to purchase approximately 1.399 acres of improved real property located at 2011 Record Crossing Road, Dallas, Dallas County, Texas, from Mr. Paul M. Dvorak for a purchase price not to exceed fair market value as determined by independent appraisals to use for access and parking for the New University Hospital**

### RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Health Affairs, the Vice Chancellor and General Counsel, and President Podolsky that authorization be granted by the U. T. System Board of Regents, on behalf of U. T. Southwestern Medical Center – Dallas, to

- a. purchase approximately 1.399 acres of improved real property located at 2011 Record Crossing Road, Dallas, Dallas County, Texas, from Mr. Paul M. Dvorak for a purchase price not to exceed fair market value as determined by independent appraisals, plus all due diligence expenses, closing costs, and other costs and expenses to complete the acquisition of the property as deemed necessary or advisable by the Executive Director of Real Estate, to use for access and parking for the New University Hospital; and
- b. authorize the Executive Director of Real Estate to execute all documents, instruments, and other agreements, and to take all further actions deemed necessary or advisable to carry out the purpose and intent of the foregoing recommendation.

### BACKGROUND INFORMATION

U. T. Southwestern Medical Center – Dallas desires to purchase the subject property located at 2011 Record Crossing Road, Dallas, Dallas County, Texas. The 1.399 acres has three existing automotive service/storage buildings and one related office building. The site plan for the institution's proposed New University Hospital calls for a roadway to pass through this site to open the area immediately to the east of the site for uses that support the new hospital.

The seller currently operates a wholesale tire business on the site. He has requested a short-term lease after closing to permit him time to find another site and relocate his business to the new site. The proposed lease will be at fair market rental and terms.

To fund the purchase, U. T. Southwestern Medical Center – Dallas will use local funds. A transaction summary and map follow on the next two pages.

Transaction Summary

Institution: U. T. Southwestern Medical Center – Dallas

Total Area: Approximately 1.399 acres

Improvements: Three automotive service/storage buildings and one related office building

Location: 2011 Record Crossing Road, Dallas, Dallas County, Texas

Seller: Mr. Paul M. Dvorak

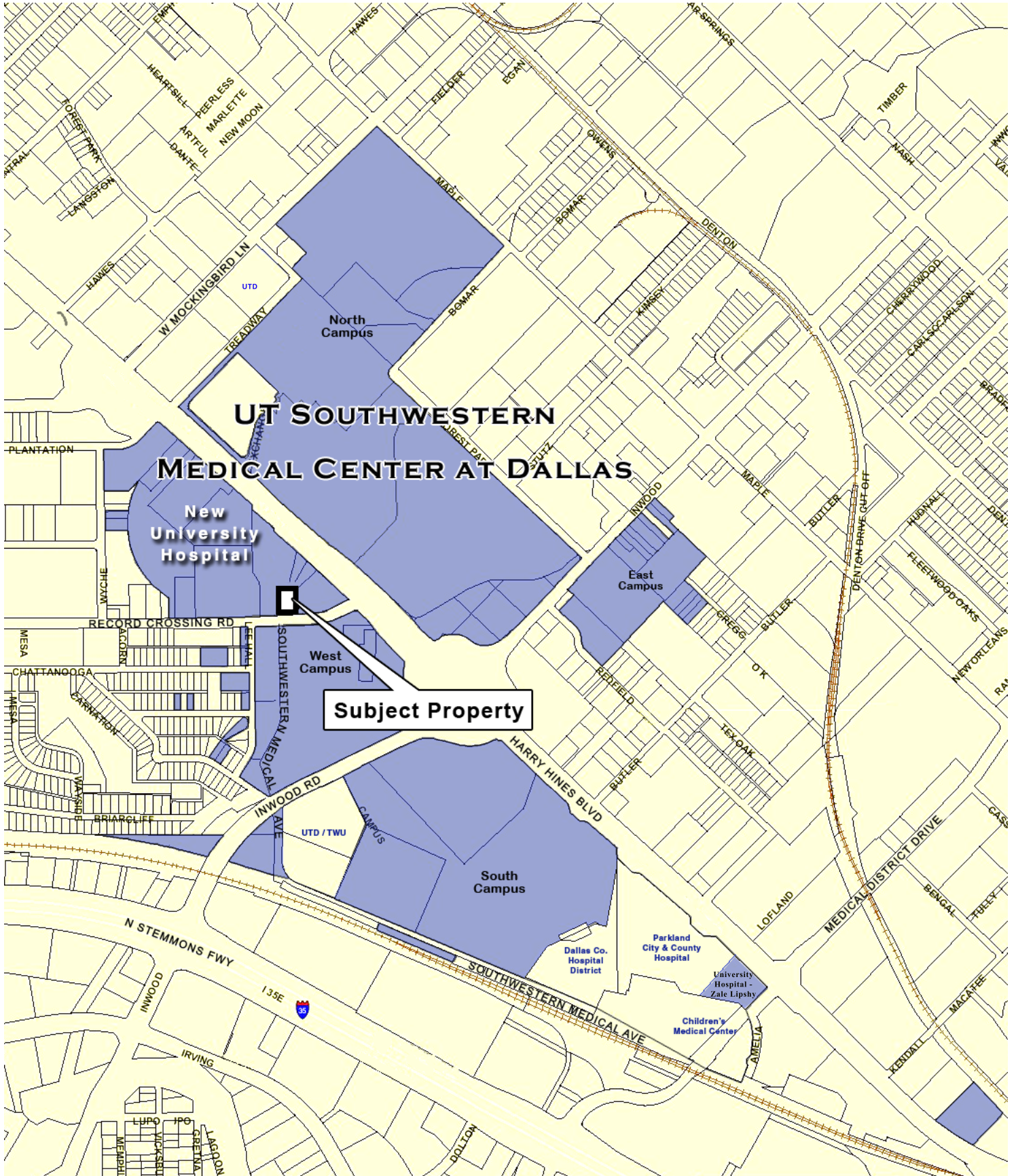
Purchase Price: Not to exceed fair market value as established by independent appraisals

Appraised Value: \$2,740,000 (Butler Burgher Group, May 18, 2010);  
\$2,725,000 (Hunsicker Appraisal Company, Inc., November 17, 2010)

Source of Funds: Local funds

Intended Use: Access to and future parking for New University Hospital





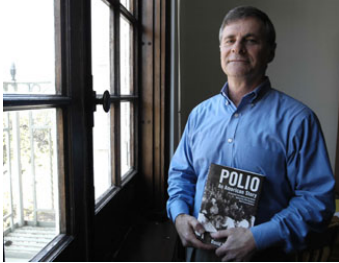


# Bios for Retreat Speakers

## Dinner Speaker

Dr. David M. Oshinsky

Jack S. Blanton Chair in History, U. T. Austin



**Dr. David Oshinsky**

Dr. David M. Oshinsky received B.S. and M.S. degrees from Cornell University and a Ph.D. from Brandeis University. He will share his insights into history's unique episode of the creation of the polio vaccine and the involvement of voluntary health organizations in its inception. Dr. Oshinsky holds the 2006 Pulitzer Prize in History for his 2005 book, *"Polio: An American Story."*

His other books include the Hardeman Prize-winning *"A Conspiracy So Immense: The World of Joe McCarthy,"* and the Robert Kennedy Prize-winning *"Worse Than Slavery: Parchman Farm and the Ordeal of Jim Crow Justice."*

The news release from U. T. Austin about Dr. Oshinsky winning the 2006 Pulitzer Prize follows on the next page.



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## HISTORY PROFESSOR WINS PULITZER PRIZE FOR 'POLIO: AN AMERICAN STORY'

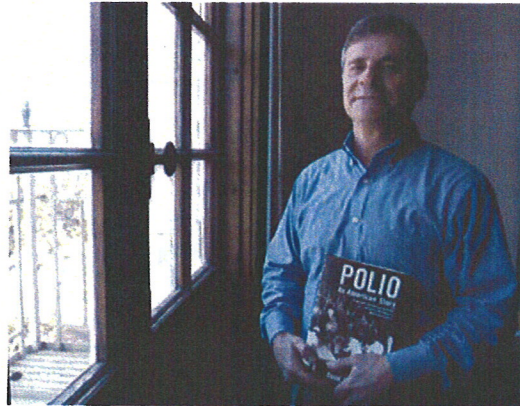
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April 17, 2006

AUSTIN, Texas—The University of Texas at Austin's David M. Oshinsky has been awarded the Pulitzer Prize in the history category for his book "Polio: An American Story." Oshinsky is the George Littlefield Professor of American History.

"This book is the latest in a long list of superb work that David Oshinsky has given us," said Richard Lariviere, dean of the College of Liberal Arts. "He examines the historical record and shares it with the world in a way that illuminates human nature. I am pleased that the Pulitzer Committee shares our view that this is a wonderful and durable contribution to American history."

"Polio: An American Story" details America's obsession with the disease in the 1940s and 1950s. With no known cause and no available cure, polio was a frightening disease that held America in its grips until a vaccine was found. Oshinsky's book examines the race between rival researchers Jonas Salk and Albert Sabin to find a cure. It notes that polio was actually a relatively uncommon disease, but was kept in the spotlight by an aggressive public relations campaign and unprecedented fund-raising efforts by the National Foundation for Infantile Paralysis, which founded the March of Dimes.



Dr. David Oshinsky

Photo: Marsha Miller

"This is a stunning achievement by a renowned member of our faculty," said William Powers Jr., president of The University of Texas at Austin. "The Pulitzer Prize is well deserved recognition of another seminal contribution David Oshinsky has made to American history."

Oshinsky is the second University of Texas at Austin professor to win a Pulitzer Prize. The other was William Goetzmann, who won the award in 1967 for his book "Exploration and Empire."

Oshinsky is a leading historian of modern American politics and society and has been at the university since 2001. "Polio: An American Story" has received accolades from National Public Radio's "Science Friday," the News Hour with Jim Lehrer, the New York Times and other media outlets. He is also the author of "A Conspiracy So Immense: The World of Joe McCarthy" and "Worse Than Slavery: Parchman Farm and the Ordeal of Jim Crow Justice," both of which won major prizes and were New York Times Notable Books.

For more information contact: [Tracy Mueller](#), College of Liberal Arts, 512-471-2404.

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THE UNIVERSITY OF  
**TEXAS**  
AT AUSTIN

**Panel Member: U. T. Leaders in Energy**

**Dr. Raymond Lee Orbach**

Director, U. T. Austin Energy Institute



**Dr. Raymond Orbach**

Dr. Orbach was appointed director of The Energy Institute, a multi-disciplinary institute that combines the strengths of the university's schools and colleges to advance solutions to energy-related challenges in July 2009.

Orbach was sworn in as the Department of Energy's first undersecretary for science in June 2006. He was the chief scientist of the Department of Energy, and adviser to Secretary Samuel W. Bodman on science policy as well as all scientific aspects of the Department of Energy, including basic and applied research ranging from nuclear energy, to environmental cleanup of Cold War legacy sites, to defense programs. Orbach was responsible for planning, coordinating and overseeing the Energy Department's research and development programs and its 17 national laboratories, as well as the department's scientific and engineering education activities.

He also was responsible for the department's implementation of the president's American Competitiveness Initiative, designed to help drive continued U.S. economic growth. He led the department's efforts to transfer technologies from Department of Energy national laboratories and facilities to the global marketplace.

From the time of his Senate confirmation in 2002, Orbach also was the 14th director of the Office of Science at the Department of Energy. He managed an organization that was the third largest federal sponsor of basic research in the United States, the primary supporter of the physical sciences in the country and one of the premier science organizations in the world.

From 1982 to 1992, Orbach was the provost of the College of Letters and Science at the University of California, Los Angeles (UCLA), and from 1992 to 2002, he was chancellor of the University of California (UC), Riverside. Under his leadership, UC Riverside doubled in size, achieved national and international recognition in research and led the University of California in diversity and educational opportunity. In addition to his administrative duties at UC Riverside, Orbach sustained a research program, worked with postdoctoral, graduate and undergraduate students in his laboratory and taught the freshman physics course each year.

Orbach received his bachelor of science degree in physics from the California Institute of Technology in 1956. He received his Ph.D. degree in physics from the University of California, Berkeley, in 1960 and was elected to Phi Beta Kappa. He began his academic career as a postdoctoral fellow at Oxford University in 1960 and became an assistant professor of applied physics at Harvard University in 1961. He joined the faculty of UCLA two years later as an associate professor and became a professor in 1966.

Orbach's research in theoretical and experimental physics has resulted in the publication of more than 240 scientific articles. He has received numerous honors as a scholar, including two Alfred P. Sloan Foundation Fellowships, a National Science Foundation Senior Postdoctoral Fellowship at Oxford University, a John Simon Guggenheim Memorial Foundation Fellowship at Tel Aviv University, the Joliot Curie Professorship at the Ecole Supérieure de Physique et Chimie Industrielle de la Ville de Paris, the Lorentz Professorship at the University of Leiden in the Netherlands, the 1991-1992 Andrew Lawson Memorial Lecturer at University of California, Riverside, the 2004 Arnold O. Beckman Lecturer in Science and Innovation at the University of Illinois at Urbana-Champaign and the Outstanding Alumni Award from the California Institute of Technology in 2005.

Orbach is a fellow of the American Physical Society and the American Association for the Advancement of Science. He has held numerous visiting professorships at universities around the world and is a member of 20 scientific, professional and civic boards.

**Dr. Les Shephard**

**Director, U. T. San Antonio Texas Sustainable Energy Research Institute**



Dr. Les Shephard was appointed director of U. T. San Antonio's Texas Sustainable Energy Research Institute in April 2010. He also holds the USAA Robert R. McDermott Distinguished Chair in Engineering in the Department of Civil and Environmental Engineering.

Shephard previously served more than 27 years at Sandia National Laboratories, most recently as its president of Energy, Security and Defense Technologies Division, a multi-program, science-based engineering laboratory in Albuquerque, N.M.

**Dr. Les Shephard**

Shephard's Sandia division developed, deployed, and commercialized technologies and capabilities that address many of the nation's most pressing national security challenges in energy, water, infrastructure and strategic nuclear materials. The division has pursued technology breakthroughs that will contribute to alternative transportation fuels, energy efficiency, responsible environmental stewardship and renewable energy options. Today, it works with representatives from more than 100 nations to pursue a principal mission of creating a peaceful and free world through technology.

**Dr. Mary Ann Rankin**  
**Dean, U. T. Austin College of Natural Sciences**



Dr. Mary Ann Rankin has been leading the College of Natural Sciences since 1994. She first joined the faculty at The University of Texas at Austin as an assistant professor of zoology in January 1975. She received her bachelor's degree in biology and chemistry from Louisiana State University, served as a National Science Foundation pre-doctoral fellow at the University of Iowa and Imperial College Field Station, Ascot, England, and was awarded a doctorate in physiology and behavior from the University of Iowa in 1972. She was a National Institutes of Health postdoctoral fellow at Harvard University until joining The University of Texas at Austin. In 1986, she was promoted to professor. Rankin was chairman of the Division of Biological Sciences from 1989 until her appointment as dean of the College of Natural Sciences in 1994.

**Dean Mary Ann Rankin**

Dean Rankin's research focuses on studies of the physiologic relationships governing the evolution of insect life history strategies. She is a member of the American Entomological Society, the Royal Entomological Society and the American Association for the Advancement of Science. She currently serves as vice-chairman of the board of directors of Southwest Research Institute in San Antonio, Texas.

**Panel Member: Public Education in Texas**

**Jeanne Marcum Gerlach, Ed.D.**

Associate Vice President for K-16 Initiatives / Dean - U. T. Arlington College of Education



**Dean Jeanne Marcum Gerlach**

Jeanne Marcum Gerlach is Dean and Professor of Education at The University of Texas at Arlington. She has earned two doctorates, one in English Education/Curriculum & Instruction from West Virginia University and one in Higher Education Administration from the University of North Texas. Her masters degree is in English Education from West Virginia University and her bachelors degree is from West Virginia State College. Recently, she was a Fellow at the Harvard University Graduate School of Education's Advanced Management and Leadership Institute.

Her research and publications have focused on Business/Higher Education Partnerships, Issues in English Education, Writing As Learning, Women in Leadership Roles, Collaborative Learning, Governance in Higher Education, Adolescent Literature, and International Education. She has published in numerous education journals, as well as chapters in books. She is the coeditor with Virginia R. Monseau of *Missing Chapters: Ten Pioneering Women In NCTE and English Education*. She is co-author, with Robin Peel and Annette Patterson, of the book, *Questions of English: Ethics, Aesthetics, Rhetoric, and the Formation of the Subject in England, Australia and the United States*. Dr. Gerlach has served as an editorial reviewer, guest editor, and editor of several journals. Most recently, she was editor of *International English*, a National Council of Teachers of English journal, which focuses on the exchange of ideas between and among educators in countries where English is the first or second most often spoken language.

She is a member of the National Council of Teachers of English Board of Directors and chairs the Commission on the History of the Council. She has presented at numerous state, regional, national, and international conferences, and has received grants from different agencies. Dr. Gerlach has taught in England, New Zealand, France, Germany, Thailand, and Australia.

Her awards include the National Council Teachers of English recognition for Outstanding Woman In English Education and several Outstanding Teaching and Service Awards. She was also the recipient of the University of North Texas' Outstanding Alumni Award/Higher Education, 1992. She is listed in *Who's Who Among American Women*, *Who's Who Among American Educators*, and *Who's Who Among American Women In Business*. In addition to her work in higher education, Dr. Gerlach has taught English in secondary schools, served as communications consultant in business and industry, and worked as a newspaper journalist.



**Panel Member: *Transformations in Medical Education (TIME)***

**Steven A. Lieberman, M.D.**

**Vice Dean for Academic Affairs and John P. McGovern Distinguished Chair in Oslerian Medicine  
U. T. Medical Branch at Galveston**



**Steven Lieberman, M.D.**

Dr. Steven A. Lieberman serves as Vice Dean for Academic Affairs and Professor in the Department of Internal Medicine.

Dr. Lieberman has been a strong advocate for promoting a challenging, rewarding, and supportive academic environment to produce skillful, compassionate physicians. As Vice Dean for Academic Affairs, Dr. Lieberman leads the school's efforts in medical education. He has been heavily involved in restructuring and continuously modernizing the medical school curriculum, which has drawn national and international attention. Dr. Lieberman played a key role in accreditation by the Liaison Committee on Medical Education (LCME), the accrediting authority for medical education programs leading to the MD degree in U.S. and Canadian medical schools. He was instrumental in working with faculty and students to conduct an extensive institutional self study which

contributed greatly to the successful post-Ike LCME site visit.

Beyond UTMB, Dr. Lieberman serves as President of The University of Texas Academy of Health Science Education, an organization established to recognize the most outstanding educators in all disciplines across the System's six health science campuses.

He is a catalyst for stimulating technological advances to teach and assess the quality of care. He serves as Chair of the Physiology Test Material Development Committee at the National Board of Medical Examiners in Philadelphia, with whom he has worked since 2004. In September 2008, he was appointed Director of The University of Texas System Innovations in Health Science Education Program.

Dr. Lieberman has received numerous honors and awards for his teaching activities. He was appointed inaugural holder of the Dr. and Mrs. A.H. Potthast Professorship in Teaching Excellence for his leadership role in advancing educational innovations at UTMB and for his dedication to students. He has received annual awards as Director of the Best Course for Second Year Students for his Endocrinology/Reproduction class and the Golden Apple Award for the best preclinical instructor several times each. He also received the UTMB American Medical Women's Association Gender Equity Award and the Department of Internal Medicine's Clinical Teaching Award. In 1999, Dr. Lieberman was one of ten faculty members in Texas to be honored as a Piper Professor for superior teaching in higher education by the Minnie Stevens Piper Foundation.

Dr. Lieberman maintains clinical responsibilities within the Division of Endocrinology and Metabolism. He sees a wide range of endocrine patients and has a major interest in pituitary disease. He earned his MD from The University of Texas Southwestern Medical School in Dallas in 1985; completed his training in internal medicine at the Santa Clara Valley Medical Center in San Jose, CA followed by a clinical and research fellowship in endocrinology at Stanford University Medical Center. He was a member of the faculty of the George Washington University Medical Center in Washington, D.C. before joining the UTMB faculty in 1994. Dr. Lieberman served as Associate Dean for Educational Affairs from 2001-2005. Dr. Lieberman has had an impact on medical education at an organizational level and beyond. His teaching efforts emphasize compassion toward patients, and his appointment to this prestigious position is a most fitting recognition of his contributions.

**Panel Member: *Transformations in Medical Education (TIME)***

**Dr. Pedro Reyes**

**Associate Vice Chancellor for Academic Affairs – U. T. System**

**Ashbel Smith Professor of Education Policy, U. T. Austin Department of Educational Administration**



**Dr. Pedro Reyes**

Pedro Reyes, Ph.D., holds the Ashbel Smith Professor of Education Policy, Department of Educational Administration at The University of Texas at Austin and serves as the Associate Vice Chancellor for Academic Planning and Assessment at The University of Texas System. He was named Associate Vice Chancellor in January 2003 where he works with education policy, within the U. T. System, state, and federal levels. He directs the Student Learning Assessment Project and academic planning for all the U. T. System institutions, as well as manages an annual fund of \$50 million dollars to improve research capacity among academic institutions. Dr. Reyes has been involved with the execution of the annual tuition and fee plans, and the annual budget presentations. He has served on task forces studying issues such as accountability, capital planning, admissions, funding, and program quality, among others. He also serves on national and state boards related to education assessment.

Dr. Reyes also currently serves as Professor of Education Policy and Administration at The University of Texas at Austin, and holds a courtesy appointment in the Department of Sociology. He also is involved with the Population Research Center at U. T. Austin (as a Faculty Associate and PI). He received his Ph.D. in 1985 from the University of Wisconsin-Madison and has been a member of the faculty at U. T. Austin since January, 1991. He has a combined 25 years of teaching experience in public schools and higher education and won major awards for his graduate teaching. He is past-president of the University Council for Educational Administration and is a Fellow of the National Academy of Education.

Dr. Reyes is the Director of the U. T. Austin Education Research Center, a virtual research center dedicated to help state policymakers evaluate or analyze education policies. As a social scientist, Dr. Reyes writes on the subject of the social organization of schools, particularly about the conditions fostering high academic success for children of poverty. He also continues to research and evaluate school reform efforts in Texas through funded projects from the National Science Foundation, Houston Endowment, Inc., Carnegie Foundation of New York, Gates Foundation, Brown Foundation, Annenberg Foundation, among others.

He is the author of *Resiliency and Success: Migrant children in the US (2004)*; *Lessons from High Poverty High Performance Schools: Creating Learning Communities (1999)*; and *Teachers and Their Workplace: Commitment, Performance, and Productivity (1990)*. In addition, he has authored more than 100 articles, book chapters, and monographs, including a significant number of papers presented at national and international academic conferences. His research has appeared in such journals as *Educational Administration Quarterly*, *the High School Journal*, *Journal of Educational Research*, and the *Hispanic Journal of Behavioral Sciences*. He was editor of the Book Review Section of *Educational Researcher*, associate editor of the *International Journal of Qualitative Studies in Education*, and reviewer of many other scholarly journals.

He has raised more than \$22 million dollars in research and development grants from The Spencer Foundation, The Annenberg Foundation, the Spencer T. and Ann W. Olin Foundation, the Texas Education Agency, the National Science Foundation, the Houston Endowment, Inc., The Brown Foundation, and the U.S. Department of Education.

Pedro Reyes was the 30th president of the University Council for Educational Administration, which is a national consortium of 70 major research universities in the United States and Canada advancing the knowledge base in educational administration. He has served on numerous national committees to review the quality of university programs, such as the Ohio Board of Regents Review for Education Programs. He also has advised the Ford Foundation on program evaluation for the urban partnerships program.

**Panel Member: *Importance of Computational Sciences Across the U. T. System***

**Dr. Brian Herman**

**Vice President for Research - U. T. Health Science Center San Antonio**



**Dr. Brian Herman**

Dr. Herman assumed the position of Professor & Chair of the Department of Cellular & Structural Biology at the U. T. Health Science Center - San Antonio in June 1998, serving in this capacity until October 2004, when he assumed the position of Vice President for Research. Dr. Herman is a past recipient of an American Cancer Society Faculty Research Award, (1991-1995), the Dozer Fellowship from Ben Gurion University, Israel, (1998) and an NIH (National Institute of Aging) Method to Extend Research in Time (MERIT) Award (1994-2004). In 2004, Dr. Herman received the U. T. Health Science Center – San Antonio Presidential Distinguished Scholar Award. In 2005, he received a second NIH (National Institute of Aging) Method to Extend Research in Time (MERIT) Award (2005-2015).

He is listed in American Men and Women of Science, is an Editor of the Journal *Microscopy & Microanalysis*, an Associate Editor of the *Journal of Cellular Biochemistry* and currently serves on the Editorial Boards of *BioTechniques*, *Journal of Biomedical Optics*, *American Journal of Physiology: Cell Physiology*, *Mechanisms of Aging and Development* and *the Journal of Biological Chemistry*. Dr. Herman has served on multiple NIH and NSF study sections including a four-year term on the NIH Cell, Development and Function-2 study section, two of which he served as Chair of the study section. Dr. Herman serves as a faculty member in Medical Histology, Graduate Cell Biology and in U. T. Health Science Center – San Antonio course in Optical Microscopy for the Biological Sciences.

**Panel Member: *Importance of Computational Sciences Across the U. T. System***

**Dr. Robert D. Moser**

**Professor and Coordinator of U. T. Austin Thermal and Fluid Systems Program**

**Deputy Director of the Institute for Computational Engineering and Sciences at U. T. Austin**



**Dr. Robert D. Moser**

Dr. Robert D. Moser earned his Ph.D. in mechanical engineering from Stanford University in 1984. He joined the faculty of The University of Texas at Austin in 2005. Dr. Moser is a faculty member of the Thermal and Fluid Systems program, and serves as the area coordinator for that program. Dr. Moser is also a faculty member in the Institute for Computational Engineering and Sciences, where he is serving as Deputy Director. Finally, Dr. Moser is the Director of the DOE-funded Center for Predictive Engineering and Computational Sciences (PECOS).

Using computer simulations, Moser develops techniques to predict and control the effects of turbulence and other complex flows. He attempts to improve the turbulence-prediction abilities of large-eddy simulation techniques, which simulate the effects of the most energetic turbulence eddies while modeling the effects of smaller-scale turbulence. He also uses large-eddy simulation techniques to model external aerodynamic flows. Computer simulation is also valuable to study biological flows. Moser is developing computer models of the human cardiovascular system, at both macroscopic and microscopic scales, for use in the development and evaluation of new therapies. Finally, in numerical simulations of complex physical systems, the uncertainties inherent in such systems need to be characterized, and Moser is working to develop methods to quantify such uncertainties, especially in the context of reentry vehicle simulations.

Research interests:

- Turbulence physics
- Direct numerical simulation and spectral methods
- Large-eddy simulation
- Cardiovascular fluid mechanics
- Verification, validation and uncertainty quantification in computational science.