



# IACCGH SHELL DISTINGUISHED LECTURE SERIES



FEATURING PUMPS & PIPES



ALAN B. LUMSDEN MD



RUSTOM K. MODY PE



MICHAEL G. HESS MBA

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The Indo-American Chamber of Commerce of Greater Houston (IACCGH) has helped promote commercial and economic ties between the Greater Houston area and India by maximizing opportunity with its partners. The Chamber is a vital international link for entrepreneurs, businesses and entire industries across the globe.

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## ALAN B. LUMSDEN M.D.

Medical Director DeBakey Heart & Vascular Center Houston Methodist Hospital  
Professor and Chairman Department of Cardiovascular Surgery  
Founder and Director Pumps & Pipes Society

**ALAN B. LUMSDEN M.D.**, is the Walter W. Fondren III Chair, Medical Director of the Houston Methodist DeBakey Heart & Vascular Center and Chair of the Department of Cardiovascular Surgery at Houston Methodist Hospital.

Dr. Lumsden grew up in Whitburn, West Lothian, Scotland. He received his Bachelor of Medicine and Surgery and the University of Edinburgh where he graduated with honors. After completing his internship, he moved to Emory University in Atlanta where he completed his surgical residency and vascular training and eventually became the Chief of the Division of Vascular Surgery. In 2002, he joined Michael E. DeBakey Department of Surgery at Baylor College of Medicine as Professor and Chief of the Division of Vascular Surgery and Endovascular Therapy. He assumed his positions at Houston Methodist Hospital in 2008.

Dr. Lumsden has developed an international reputation as a leader in the field of endovascular surgery. He has clinical and research expertise in: stent-graft treatment of thoracic and abdominal aortic aneurysms; stenting and endarterectomy in carotid arterial disease; and advanced cardiovascular imaging. Dr. Lumsden's research interests include: developing novel minimally invasive methods of therapy; and integrated imaging in the operating room. He has published more than 200 articles to the medical literature, as well as numerous abstracts, books, and book chapters.

Dr. Lumsden is always looking towards the future, a future that includes innovation and collaboration with other industries. In 2006, Dr. Lumsden was on an airplane from Europe and was working on a slide presentation. Sitting next to him was a pipeline

engineer with ExxonMobil. The engineer asked Dr. Lumsden what the presentation was about; Dr. Lumsden explained it was about joining blood vessels together. The engineer said, "That's exactly how the pipeline business works." This is how Pumps & Pipes Program came to fruition.

The Pumps & Pipes Society promotes and encourages cross-industry collaboration between medicine, energy, aerospace and academia; Houston's largest industries. Over the past twelve years, Pumps & Pipes has expanded into an international organization. In addition, the Pumps & Pipes Education Program is partnering with schools and universities to advance STEAM education in Science, Technology, Engineering, the Arts and Mathematics.

Dr. Lumsden is committed continuing the legacy of the Houston Methodist DeBakey Heart & Vascular Center being recognized worldwide as a leading academic medical program for patient care, research and education.

## RUSTOM K. MODY P.E.

Vice President Technical Excellence/Enterprise Technology, Baker Hughes, a GE Company  
Director Pumps & Pipes Society

**RUSTOM K. MODY P.E.**, is VP-Technical Excellence for Baker Hughes a GE Company. He has a Master of Business Administration in Finance from University of Houston, Master of Science degree in Mechanical Engineering - University of Oklahoma, Bachelor of Science degree in Mechanical Engineering - University of Pune, India



He is a registered Professional Engineer in the State of Texas, USA.

Mody holds 18 patents and is the author of over 75 articles, technical presentations and publications. He has won numerous Meritorious Awards for Engineering Innovation. In all, he has more than 39 years of experience in drilling, completion and production of which 30 years with Baker Hughes a GE company in various executive positions in technology.

Under his leadership in the last 8 years, the Baker Hughes GE Completions technology team has won 10 World Oil awards and 15 Hart's awards.

Mody is an active member of the Society of Petroleum Engineers (SPE), International Association of Drilling Engineers (IADC) and serves on various committees. He serves on the Board of Advisors at the following Universities and Industry organizations: Offshore Technology Conference Advisory Board 2017; Society of Petroleum Engineers Advisory Board 2017; Department of Energy "Material Genome Project" 2016; University of Houston "Energy Advisory Board" 2016 - present; University of Oklahoma Engineering Department, 2008 - present; University of Oklahoma Mewbourne School of Petroleum and Geologic Engineering 2008-present; Texas A&M TEES Executive Advisory Board 2012-present; "Pumps & Pipes" an organization made up of professionals from Medicine, Aerospace and Energy Industry. 2007 - present; World Oil ShaleTech North America Conference 2011-present; ASME Hydraulic Fracking Conference 2012.

In 2016 he was appointed to serve on the advisory board of Council on Competitiveness Technology Leadership and Strategy Initiative - Washington DC. Mody was the recipient of 2017 SPE "Distinguished Member" Award and 2017 World Oil "Life Time Achievement" Award.

**MICHAEL G. HESS MBA**  
Associate Center Director Johnson Space Center  
Division Chief Space Medicine Operations  
Director Pumps & Pipes Society

**MICHAEL HESS** serves as the Division Chief of Space Medicine Operations where he is responsible for advancing and protecting the health and well being of astronauts and the Johnson Space Center (JSC) workforce to enable human exploration of space.

His areas of responsibility include flight surgeon support to NASA's missions, biomedical engineering, occupational health, International Space Station medical projects, space radiation analysis, behavioral health, and the JSC clinic and laboratory. Currently Mr. Hess is on detail as the JSC Associate Center Director where he helps to manage one of NASA's largest installations, with nearly 14,000 civil service and contractor employees - including those at White Sands Test Facility in Las Cruces, New Mexico - and an annual budget of approximately \$5 billion. In his role as Associate Director, Mr. Hess oversees a broad range of human spaceflight activities.

Mr. Hess began his NASA/JSC career in 1989, as a Cooperative



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Employment Student. His early technical career was spent as an Extravehicular Activity (EVA) Officer planning spacewalks, training astronauts, developing space tools, and serving as a shuttle flight controller.

In support of the Shuttle/Mir Phase I Program and in preparation for assembly of the International Space Station, Mr. Hess was deployed three months per year to Moscow and Star City, Russia, from 1995-2000.

Mr. Hess served as Chief of the Neutral Buoyancy Laboratory, the 6.2 million gallon water tank used for underwater astronaut EVA training. Mr. Hess completed an assignment at NASA Headquarters as an Acting Program Executive for Exploration.

He then served in successively more important, complex, and strategic leadership positions including: Mission Operations Division Chief of the Operations Division; Division Chief of EVA, Robotics, and Crew Systems Operations; ISS Program Cost Account Manager for Mission Operations; JSC Deputy Chief Financial Officer; and Associate Director for the JSC Engineering Directorate.

Mike Hess earned Bachelor of Science degrees in Aerospace and Mechanical Engineering from the University of Michigan and an executive MBA from the Naval Postgraduate School. Mr. Hess is a graduate of the Program and Project Management Development Program and the Harvard University Senior Executive Fellows Program. He has been recognized with the NASA Outstanding Leadership Medal and the Silver Snoopy Award.

# Business Investment Conference

EDUCATE . EMPOWER . INNOVATE . INVEST

Wednesday  
**APRIL 18th**  
11am - 4pm

Johnnie Arolfo Civic Center  
400 W. Walker Street  
League City, TX 77573

Presented  
By:



## AGENDA

- 11:00am: Registration & Networking
- 11:30am: Lunch
- 12:00pm: Opening remarks - Jagdip Ahluwalia (IACCGH, Master of Ceremonies)
- 12:10pm -12:40pm: SBDC, Looking To The Future
  - Steven Lawrence, DrPH, MBA, Executive Director SBDC Texas Gulf Coast
- 12:40-1:00pm: SBA, Start and Grow Your Small Business
  - Tim Jeffcoat, District Director
- 1:00pm-1:45pm: SBA Lending Panel (Moderator: Mark Winchester, SBA Houston Deputy District Director)
  - Nasr Khan - Wallis State Bank, Matt Curry - Texas Citizens Bank, Wendy Ghormley - Texas First Bank
- 2:00pm-2:45pm: Disaster Relief & Preparedness Panel (Moderator: TJ Aulds, i45Now)
  - Richard Gianni - LiftFund, Tim Jeffcoat - SBA, Paula Jemison - American Red Cross
- 2:45pm-3:15pm: NASA technology Transfer program
  - Steven Gonzalez - NASA/Johnson Space Center
- 3:15pm-3:30pm: Innovation Interstate
  - Steve Paterson - League City Regional Chamber of Commerce
- 3:30pm-3:45pm: SATOP & BayTech
  - Bob Payne, SATOP and Kim Morris - Bay Area Houston Advanced Technology Consortium
- 3:45pm-3:55pm: Partner highlights (HMSDC, WBEA)
- 3:55pm - 4:00pm: Closing Remarks: Jagdip Ahluwalia (IACCGH, Master of Ceremonies)
- \*\*3:00pm - 5:00pm: Breakout Room - Apply for disaster relief with LiftFund

## REGISTER NOW

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