CASIS

CASIS 2017
PUBLIC BOARD MEETING

January 23, 2017
9:30am - 12:00pm ET Time

Orlando Airport Marriott Lakeside
7499 Augusta National Drive
Orlando, FL 32822

MISSION: CASIS is the nonprofit organization tasked by the U.S. Congress and NASA with promoting and brokering research on the ISS U.S. National Laboratory. The CASIS mission is to use the unique capabilities of the ISS to facilitate groundbreaking science not possible here on Earth.

ISS
U.S. NATIONAL LABORATORY

INTRO: The board of directors and executive leadership for the Center for the Advancement of Science in Space (CASIS) will utilize this public meeting to present the organization's annual report for fiscal year 2016. Additionally, the board of directors will review progress of the organization and its future goals as managers of the International Space Station U.S. National Laboratory.

AGENDA

Time	Topic	Speaker
9:30 -9:40 AM	Welcome and Introductions	Lt. General James A. Abrahamson (Ret.) Chair, CASIS Board of Directors
9:40 – 9:55 AM	Annual Report FY16 Board Briefing	Gregory H. Johnson President and Executive Director, CASIS
9:55 – 10:15 AM	CASIS FY2017 Goals and Projected Metrics	Jorge Fernandez Chief Financial Officer and Chief of Staff, CASIS
10:15 – 10:25 AM	ISS National Lab Science Review	Randy Giles, Ph.D. Chief Scientist, CASIS
10:25 – 10:45 AM	Briefing on Value Impact	Cynthia Bouthot Director of Commercial Innovation and Sponsored Programs, CASIS
10:45 – 11:00 AM	Education Update	Ioannis Miaoulis, Ph.D. CASIS Board of Directors
11:00 – 11:15 AM	Address Public Questions (Submitted in advance)	CASIS Management
11:15 – 11:45 AM	Period for Public Statements	Public
11:45 – Noon	Public Meeting Close	Lt. General James A. Abrahamson (Ret.) Chair, CASIS Board of Directors

BOARD BIOS

Lt. General James A. Abrahamson

Lt. General James A. Abrahamson is considered one of the most broadly experienced and successful military program managers of the 20th century. Abrahamson began his military career as a fighter pilot in Vietnam and then ascended to multiple key Air Force staff positions and also served within the Executive Office of the President of the United States. In 1981, NASA requested that Lt. General Abrahamson be assigned Associate Administrator for Space Fight, making him responsible for the continued development of programs such as the Space Shuttle and other conventional rockets. Then in 1984, President Reagan asked Abrahamson to be his first Director for Strategic Defense Initiative ("Star Wars Program"), which he did until his retirement from the Air Force in 1989.

He has received multiple civil and professional awards during his career including the Goddard Space Flight Award, Engineering Society's "Man of the Year" and Aviation Week's "Legends Award." Abrahamson is a graduate of the Massachusetts Institute of Technology with a B.S. in aeronautical engineering and obtained his M.S. in aeronautical engineering from the University of Oklahoma.

Lewis M. Duncan, Ph.D.

Lewis M. Duncan currently serves as Provost of the U.S. Naval War College. He also serves as an Associated Fellow of the United Nations Institute for Training and Research, supporting the global humanitarian missions of the United Nations Operational Satellite Applications Technology (UNOSAT) program.

Earlier in his career, Dr. Duncan has held a rising progression of administrative, academic and research positions. He served formerly for ten years as President of Rollins College in Winter Park, Florida. Dr. Duncan also previously served as Dean of the Thayer School of Engineering and Professor of Engineering Sciences at Dartmouth College, where he continues to guest lecture every year on emerging biotechnologies. While at Dartmouth, he established the Institute for Security Technology Studies, the Institute for Information Infrastructure Protection, and the MacLean Engineering Sciences Center.

Dr. Duncan received his B.A. (1973) in physics and mathematics, and his M.A. (1976) and Ph.D. (1977) in space physics, all from Rice University.

Joseph Formichelli

Joseph C. Formichelli currently serves as a Director of Celsia Technologies Taiwan and is a Board member of Telchemy Inc, an Atlanta, GA based technology firm. Additionally as time allows, he is an adjunct professor at California State University at Fullerton's School of Business.

Formichelli began his professional career at IBM, where he progressed to Vice President of Systems Operations and ended his time with the computer leader as their Vice President/General Manager of the successful ThinkPad line of notebook computers. Upon leaving IBM, Formichelli served in executive leadership roles within companies such as ClearCube, Toshiba, Gateway Computer and Radio Shack.

Formichelli holds a Masters in Management Science (MBA) from MIT's Sloan School of Management.

Ioannis (Yannis) Miaoulis, Ph.D.

Dr. Ioannis (Yannis) Miaoulis has been President and Director of the Museum of Science, Boston since 2003. Originally from Greece, Dr. Miaoulis came to the Museum after a distinguished association with Tufts University. There, he was Dean of the School of Engineering, Associate Provost, Interim Dean of the University's Graduate School of Arts and Sciences, and Professor of Mechanical Engineering.

The Museum of Science introduces about 1.5 million visitors a year to science, technology, engineering, and math (STEM) via hundreds of interactive exhibits and programs and is routinely recognized as a top hands-on science center. Additionally, Dr. Miaoulis has received multiple awards and published more than 100 research papers, holding two patents.

He holds three degrees from Tufts University, a B.S. in mechanical engineering in 1983, an M.A. in economics in 1986, and a Ph.D. in mechanical engineering in 1987. He also received a master's degree in mechanical engineering from the Massachusetts Institute of Technology in 1984.

Andrei E. Ruckenstein, Ph.D.

Andrei Ruckenstein is a Professor of Physics and Former Vice President and Associate Provost for Research at Boston University. After receiving his PhD in Physics from Cornell University and spending two years in the Theoretical Physics Group at AT&T Bell Laboratories, Ruckenstein held faculty positions at the University of California, San Diego, and at Rutgers University where he was the founding Director of BioMaPS, a university-wide initiative focused on interdisciplinary research in biology at the interface with the mathematical and physical sciences.

Ruckenstein has served as the Director of the Superconductivity Summer School at the International Center for Theoretical Physics in Trieste, as President of the Aspen Center for Physics, and as co-founder of the Aspen Science Center, a nonprofit organization promoting K-12 science education and the public understanding of science.

Ruckenstein is a Fellow of the American Physical Society, an honorary life-time member of the Board of Trustees of the Aspen Center for Physics, and the recipient of a Sloan Fellowship, an ONR Young Investigator Award, and a Senior Humboldt Prize.

Philip Schein, M.D.

Dr. Philip Schein is the President of the Schein Group, Inc., which provides consultative services to the pharmaceutical industry, and the former Chairman and CEO of US Bioscience where he took three drugs through development and regulatory approval in the United States, Europe and Canada including the radiation protection drug, Ethyol. Dr. Schein has held major positions in the field of Medical Oncology, serving as President of the American Society of Clinical Oncology and he has chaired the Food and Drug Administration's Oncologic Drugs Advisory Committee. He has served as a member of the Board of Directors on the American Board of Internal Medicine, where he chaired the Medical Oncology Committee. He was appointed by President Clinton to the National Cancer Advisory Board.

Dr. Philip Schein is widely regarded as a leading international authority in the treatment of cancer, authoring over 350 articles and texts relating to basic and clinical cancer research and drug development, and has been awarded 11 patents.

Schein received his B.A. from Rutgers, the State College of New Jersey in biological science and his M.D. from Upstate Medical University and holds multiple honorary doctorates.

Carolyn Ticknor

Carolyn Ticknor is the former president of Hewlett-Packard's Imaging & Printing. In this role, she oversaw the full product line for one of HP's most profitable global businesses. Prior to that position, Ms. Ticknor was the president of Hewlett-Packard's LaserJets. Since retiring from Hewlett Packard in 2001, Ms. Ticknor has worked extensively as a consultant to various inventors and entrepreneurs.

Throughout her career, Ticknor has served and continues to serve on several boards. She currently sits on the Clorox Board of Directors and serves as chair of the Clorox Audit Committee. Previously, she served on the AT&T Wireless Board of Directors, the OfficeMax (formerly Boise Cascade) Board of Directors and the Lucile Packard Children's Hospital Board at Stanford University.

Ticknor received her Bachelor of Arts from the University of Redlands, a Master of Science from San Francisco State University, and her Master's in Business Administration from Stanford University.

Gordana Vunjak-Novakovic, Ph.D.

Gordana Vunjak-Novakovic currently serves as the Mikati Foundation Professor of Biomedical Engineering and Medical Sciences at Columbia University in New York. She is the director of Columbia's Laboratory for Stem Cells and Tissue Engineering, and a highly cited researcher. Vunjak has been a frequent advisor to government and industry, a study section chair and distinguished editor for NIH, a reviewer for 50 foundations and 200 science journals, and a member of editorial boards of 18 journals, and of numerous boards and councils.

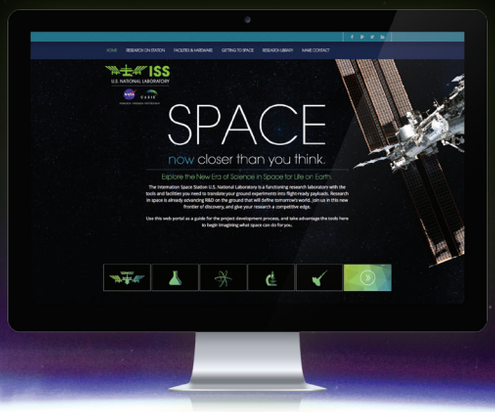
Before arriving at Columbia, Vunjak was with the Harvard-MIT Division of Health Services and Technology (1992-2005). During this time, Vunjak participated in the longest ever tissue engineering study in space, and served on a Space Life Sciences Council for NASA, advising on space experimentation, and as a scientific lead (for MIT) for the development of the cell culture system for the International Space Station.

Vunjak received her B.S., M.S., and Ph.D., all in Chemical Engineering, from the University of Belgrade, in Serbia.

Howard Zucker, M.D., J.D.

Dr. Howard Zucker has served as U.S. Deputy Assistant Secretary of Health focused on science, technology and medicine and Special Assistant to the Secretary of Health & Human Services, Assistant Director-General of the World Health Organization in charge of technologies and pharmaceuticals, as a White House Fellow, Institute of Politics Resident Fellow at Harvard Kennedy School and presently, Acting Commissioner of Health for the State of New York. Dr. Zucker is a pediatrician, anesthesiologist, cardiologist, intensive care specialist and lawyer. He trained at Johns Hopkins, University of Pennsylvania and Harvard and held academic positions at Yale University School of Medicine, Columbia University College of Physicians & Surgeons, the clinical center at the National Institutes of Health and Georgetown University Law School. He worked on biomedical experiments for the Space Shuttle and was a research affiliate at MIT's Center for Space Research. Dr. Zucker also chaired the 5 year review of the National Space Biomedical Research Institute (NSBRI). Zucker has a Bachelor of Science from McGill, an MD from George Washington School of Medicine, a JD from Fordham University School of Law, a Masters of Law from Columbia Law School where he was a Kent Scholar and a postgraduate diploma in Global Health Policy from the London School of Hygiene and Tropical Medicine.

ONE WEBSITE.
INFINITE POTENTIAL.



Research in space is already advancing R&D on the ground that will define tomorrow's world, and our brand-new, researcher-centered web portal is your consolidated link to all things ISS. Log on to find virtually all the tools, info, and resources you need to optimize the project development process, give your research a competitive edge, and take the first step toward experiencing what space can do for you.

HERE ARE A FEW OF THE MANY WEBSITE CAPABILITIES JUST WAITING TO BE DISCOVERED.

- **-LEARN** about the benefits of microgravity and the space environment.
- **-EXPLORE** a searchable collection of hardware, facilities, and other ISS capabilities at your disposal.
- **-CONNECT** with CASIS and implementation partners that can help get your research onboard the ISS National Lab.
- **-BROWSE** an extensive list of recent/current ISS National Lab projects.
- **-ACCESS** our research library for a wealth of tools, resources and info regarding research onboard the ISS.

ISS
U.S. NATIONAL LABORATORY

NASA CASIS

POWERED THROUGH PARTNERSHIP

Ready to explore the new era of science in space for life on Earth?

Visit SPACESTATIONRESEARCH.com to get started!

YOUR JOURNEY STARTS HERE.

SPACE STATION EXPLORERS

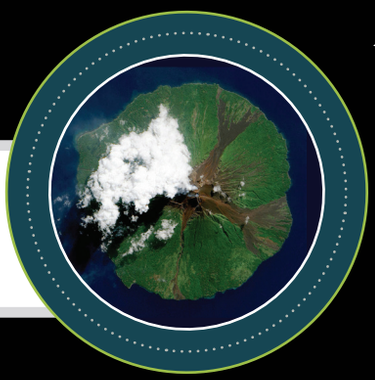
A mission to the International Space Station to advance humanity's scientific knowledge requires **you**—***a Space Station Explorer!***

Whether it's programming a space robot, snapping pictures of Earth from 250 miles above the surface, or designing your own space experiment, there's so much to see, learn, and investigate. Join SpaceStationExplorers.org and start exploring!

EXPLORE: ISS

Take a tour of the space station—like you've never seen it before!
Get a 360-degree view of the space station's modules and components, then peek inside at all the facilities and hardware used for space science. Discover how the space station operates in microgravity and supports the astronauts living and working onboard.

EXPLORE: EARTH



Nothing captures the imagination quite like pictures of our home planet—and the space station is an ideal platform for astronauts to photograph Earth.
Check out stunning images of glaciers, mountains, hurricanes, oceans and more—taken from space—and test your geography skills online in the Amazing Earth game!

LOOKING FOR:

- ⊕ Interactive expeditions
- ⊕ Teacher resources
- ⊕ Downloadable content
- ⊕ And much more?

Find it all at SPACESTATIONEXPLORERS.org and start exploring!

CASIS™

Photos provided courtesy of NASA.

CASIS™

ISS
U.S. NATIONAL LABORATORY

iss-casis.org | *spacestationexplorers.com* | *spacestationresearch.com*

/ISSCASIS @ISS_CASIS