

IHMC Board of Directors Meeting Minutes
Monday, December 2, 2024
8:30 a.m. CST/9:30 a.m. EST

Roll Call
Chair's Greetings

Chair William S. Dalton
Chair William S. Dalton

Action Items

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| 1. Approval of September 16, 2024, Minutes | Chair William S. Dalton |
| 2. Approval of IHMC's Saltmarsh Audit for FY ending 6.30.2024 | Chair William S. Dalton |
| 3. Board Member Nomination and Approval (Wes Reader) | Director Eric Nickelsen |

Chief Executive Officer's Report

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| 1. Introduction of New Team Members | Dr. Ken Ford |
| 3. Announcement of Julie Sheppard's transition as Of Counsel | Dr. Ken Ford |
| 4. Research Staff Update | Dr. Ken Ford |
| 5. State and Federal Legislative Update | Dr. Ken Ford |
| 6. Triumph Gulf Coast Update | Ryan Tilley |
| 7. New Building Update | Dr. Ken Ford |
| 8. Research Update | Dr. Ken Ford |
| 9. Philanthropy Update | Carol Carlan |
| 7. Outreach Efforts | Dr. Ken Ford |

Appreciation and Adjournment

IHMC Chair William S. Dalton called the meeting to order at 8:30 a.m. CST. The Chair and Directors in attendance included: William S. Dalton, as Chair, and the following Directors: Eugene Franklin, Hal Hudson, Jon L. Mills, Eric Nickelsen, J. Mort O'Sullivan, III, Jay Patel, Gordon J. Sprague, Martha Saunders, and Glenn Sturm. Also, in attendance were representatives of IHMC: Ken Ford, Morley Stone, Tim Broderick, Ronnie Armstrong, Ryan Tilley, Alan Ordway, Stephanie Tillery Rothfeder, Carol Carlan, and Cassandra Guilliams. The Board Members that were not present included Jim Reeves and Ray Russenberger.

Chair Dalton greeted everyone and thanked them for being in attendance in person and those who dialed in via Zoom and informed the Board that there were three (3) items to be discussed prior to Dr. Ford's officer report.

Chair Dalton introduced Action Item one (1) by asking if everyone had reviewed and approved the September 16, 2024, minutes. Without discussion, Director O'Sullivan's moved to approve the September 16, 2024, minutes, which was followed by Director Franklin's second. The motion passed unanimously.

Chair Dalton then asked Director O'Sullivan's to discuss his review of the Saltmarsh Audit for FY ending 6.30.2024 (Item two (2)), which he conducted prior to the Board meeting. Director O'Sullivan told the Board that he had reviewed the Saltmarsh Audit for FY ending

6.30.2024 and asked for a motion to approve the Audit. Several Board Members (O'Sullivan, Hudson and Sturm) moved to approve followed by Director Franklin's second. Upon requisite, the motion passed unanimously.

Chair Dalton thanked Director O'Sullivan and the rest of the Board members, then transferred the floor to Director Eric Nickelson to discuss Item three (3), the induction of a new Board Member.

Director Nickelson thanked Chair Dalton and then proceeded to nominate and approve Wes Reader as a new IHMC Board Member. Director Saunders moved to approve followed by Director Franklin's second. Without discussion the motion passed unanimously.

Upon concluding the Board's action items, Chair Dalton recognized and thanked Dr. Ford for his vision that led to the creation and success of IHMC. All meeting attendees joined Chair Dalton in acknowledging and thanking Dr. Ford. In response to Chair Dalton's and the Board's recognition, Dr. Ford expressed gratitude for the acknowledgment and thanked the Board for their unwavering support of his leadership and commitment to IHMC.

Once Dr. Ford finished thanking the Board, Chair Dalton then asked Dr. Ford to present his officer's report.

After thanking Chair Dalton again, Dr. Ford opened by continuing to thank everyone for their appreciation, for attending the meeting and was pleased to provide his report.

Dr. Ford started his report by introducing the arrival of a new team member, Andrew Brook who joined IHMC as a Research Associate in November. Andrew has a Bachelor of Science degree and has over six (6) year experience in the virtual reality arena. We are excited about Andrew joining IHMC and know he will be a great addition to Matt Johnson's team.

After Dr. Ford concluded his introduction of a new team member, he proceeded to provide a legislative state update.

Dr. Ford stated that the state budget outlook remains optimistic, in revenue collections, for the month of September despite two (2) hurricanes impacting many regions of the state. Key economic indicators continue to be positive for Florida relative to the nation and we anticipate this trend to continue now that the current election season has ended.

Dr. Ford then provided an overview of the election results. As for the Florida Senate, Don Gaetz won his election bid in our Senate District, Alexis Calatayud (Miami) was appointed as the Chair of the Education Postsecondary Education Committee and Gayle Harrell (Stuart) was appointed as the Chair of the Appropriations Committee on Higher Education.

In Ocala/Marion County, current State Representative Stan McClain won his election bid and replaced term-limited Senator Keith Perry. The House members remain unchanged, with Representatives Andrade and Salzman winning their reelection bids. As predicted, all three (3) of the new House members of the Marion County delegation, J.J. Grow, Judson Sapp, and Richard Gentry, were elected. Both Representative Ryan Chamberlin and Representative Ashley Hinson were reelected as well.

Ben Albritton (Bartow) and Danny Perez (Miami) will serve as Senate President and House Speaker respectively. Our team in Tallahassee, Morley Stone and I continue to monitor the legislative process.

After concluding the state legislative update, Dr. Ford started to provide his Federal Legislative Update.

On the Federal Legislative level, congress passed a stop gap measure that extended the continuing resolution through December 20. Things are still very much in flux in DC so it is unclear what will occur after December 20th. However, with the election behind us and clarity as to leadership in all three branches we are hopeful that a budget will be passed and signed within the first quarter of next year.

Last month IHMC hosted a visit for Congressman Neal Dunn, who represents Florida's 2nd Congressional District. Representative Dunn is an Army veteran, former surgeon and strong supporter of the military. Dr. Ford stated how appreciative we are for the interest in and to showcase IHMC to any of our legislative members and were pleased to host Congressman Dunn and members of his staff.

After finishing his state and federal legislative update, Dr. Ford transferred the floor to Ryan Tilley for an update on IHMCs partnership with Triumph Gulf Coast.

Ryan thanked Dr. Ford and reported the following regarding Triumph Gulf Coast:

Our ongoing partnership with Triumph funding remains instrumental in advancing our Healthspan, Resilience, and Performance research initiatives as well as other areas of research. Since the approval of our grant, IHMC has judiciously allocated approximately \$13 million towards the acquisition of cutting-edge equipment and recruitment of highly skilled researchers. Triumph funds have been pivotal in establishing equipment in our new state-of-the-art facility and facilitating the addition of employment opportunities within IHMC.

Dr. Ford then announced that we have submitted a new \$6.9M proposal to Triumph to help catalyze our existing capabilities to establish a National Center for Collaborative Autonomy. If awarded, the funds will be used to acquire the equipment, supplies and personnel to establish the National Center for Collaborative Autonomy.

Dr. Ford thanked Ryan and then proceeded to provide an update on matters related to IHMCs facilities.

Dr. Ford stated that after receiving the certificate of completion for the new building the Grand Opening was held on June 11, 2024. He further notified the Board, that as with all new construction, we are working on resolving several punch list items.

Dr. Ford provided an update as to the state funding request for the upgraded drainage system and pervious pavers for the parking lot for the new HRP building, which had been previously approved. Final design plans are still pending. He then moved to discussing the replacement of the HVAC Unit for building 40 and that the project is expected to be fully completed in the Spring of 2025.

After concluding his facilities update, Dr. Ford then provided the Board a research update.

Dr. Ford started the research update, with stating that IHMC continues to be successful with new research funding. Dr. Ford detailed various new funding awards cited below:

The first funding award referenced by Dr. Ford, was an opportunity secured by Dr. Mark Orr, who joined IHMC in September of this year as a Senior Research Scientist. Dr. Orr received a Department of Defense award from DARPA. The research objective is to test the feasibility of automating the explanation and prediction of human behavior by essentially considering both the technical (cognitive mechanisms) and social (interpersonal dynamics) aspects when designing intelligent agents and or systems.

The second funding award mentioned by Dr. Ford was an award from AFRL granted to Dr. Jeff Phillips. The research objective of this project is for IHMC to host the Air Force School of Aerospace Medicine's psychomotor performance tool, the Cognitive Assessment of Aerospace Performance and Evaluation of State, on our secure web servers. This project will allow USAF School of Aerospace Medicine to reach a wider audience and enhance their research efforts.

The third and fourth funding awards announced by Dr. Ford, were secured by Dr. Nirajan Suri. Dr. Suri was awarded two (2) research opportunities since our last Board meeting. Dr. Ford explained to the Board that one of the awards was from NATO and was focused on multi-agent teaming to support the operation of semi-autonomous and autonomous platforms such as unmanned vehicles. In describing the research to the Board, Dr. Ford explained that Dr. Suri and his team will investigate and showcase the applicability of Human Machine Teaming technologies to unmanned vehicles in defense applications.

To describe the second award granted to Dr. Suri, Dr. Ford told the Board that the objective of this project, awarded by AFRL, was to develop a communication system using Long-Range Communications Protocols, which is a communication standard designed to enable devices to transmit data over very large distances.

The last research project presented to the Board by Dr. Ford was IHMC's upcoming Blue Sky (ideation) meeting for the Defense Advanced Research Projects Agency which is scheduled for January 15 and 16 at IHMC. This meeting will focus on how DARPA might

develop techniques and tools that enable analysts to detect, characterize, and track geopolitical influence campaigns with quantified confidence.

Dr. Ford then turned the discussion to philanthropy and asked Carol Carlan to provide a brief philanthropy update.

Carol thanked Dr. Ford and proceeded to update the Board regarding the sixth Better Together session, held on Thursday, October 10 and thanked Dr. Ford and Dr. Stone for their help and support of this event. Carol then reminded the Board that this was the second-year philanthropy hosted Rotary's "International Empowering Girls' Day" at IHMC, which was held on Saturday, October 12.

Carol then provided the Board with an update of IHMCs 20 Year Celebration that was held at Pensacola Yacht Club, Thursday, November 21, 2024, that was focused around celebrating IHMCs past, present, and future.

Dr. Ford thanked Carol and then proceeded to provide an update on IHMCs Community and Education Outreach efforts.

Dr. Ford started his discussion with IHMCs Science Saturday educational outreach program by informing the Board that Pensacola and Ocala concluded the year with a 3D Printing class in Pensacola and a Candy Chromatography class in Ocala. These educational events remain very popular with both local communities.

Dr. Ford then turned the Board's attention to the Fall Evening Lecture Series for both Pensacola and Ocala.

For Pensacola, Dr. Ford, provided the following schedule and brief bio description of the upcoming guest lecturers.

December 10th lecture will feature Dr. Frank Butler:

Dr. Butler is a retired Navy Undersea Medical Officer who served as a Navy SEAL platoon commander prior to attending medical school. He spent most of his 26-year career in Navy Medicine supporting the Special Operations community and led biomedical research for Navy Special Warfare where he helped to develop many of the diving techniques and procedures used by SEALs today. Lead the development in diving procedures, de compression, which is now mandated as the standard medical care for the Department of Defense. Rewrote the rule book and saved thousands of lives. Dr. Butler is also the founder of Tactical Combat Casualty Care. He pioneered this concept which has now been mandated as the standard for battlefield trauma care throughout the US military. Dr. Butler's new book *Tell Them Yourself: It's Not Your Day to Die* is the extraordinary account of how a small group of world-class trauma experts joined forces with America's best combat medics to rewrite the rule book in battlefield medicine which introduced a revolutionary new concept to a disbelieving medical world.

On January 30, 2025, we will host Dr. Pascal Lee.

Dr Pascal Lee is a Planetary Scientist at the SETI Institute. He is Co-Founder and Chairman of the Mars Institute, and Director of the Haughton-Mars Project at NASA Ames Research Center. He holds an ME in Geology and Geophysics from the University of Paris, and a Ph.D. in Astronomy and Space Sciences from Cornell University where he was one of Carl Sagan's last PhD students. His research focuses on asteroids, impact craters, and Mars, with a particular on the history of water on Mars.

For Ocala, Dr. Ford, provided the following schedule and brief bio description of the upcoming guest lecturer:

On December 10th our own Tim Broderick will speak in Ocala. In his talk, he will highlight cutting edge research at IHMC related to assessing and augmenting performance in extreme environments and show how wearable sensors are advancing human health more broadly.

Upon concluding his update on IHMCs community efforts, Dr. Ford provided an update on STEM-Talk.

Dr. Ford announced that he was pleased to report that STEM-Talk continues to be a very popular podcast. IHMC recently released episode 175 with Hans Van Donge that centered around the profound effects sleep deprivation has on cognitive performance. As noted in our last meeting, our total number of downloaded episodes exceeds 4.3 million with the number of impactful listens by subscribers at 92%.

Dr. Ford then reminded the Board of the upcoming Pensacola and Ocala Holiday Parties and thanked them for participating in IHMCs 20th year Anniversary celebration.

Dr. Ford concluded his last Board meeting, before becoming Emeritus CEO, by expressing his deepest gratitude for the Board's support and trust over the past 20 years. Dr. Ford continued by noting that the success of IHMC has always been a team effort and thanked each Board member of their individual contribution to the success of IHMC and further stated that it has truly been an honor to lead the men and women of IHMC and I look forward to watching IHMC continue to excel in the years to come. That as he prepares to pass the baton to Dr. Morley Stone, he does so with complete confidence in his ability to lead IHMC into the next chapter. IHMC is in great hands, and I know that under Dr. Stone's leadership, IHMC will continue to push boundaries, expand its impact, and remain at the forefront of scientific and technological advancement.

Director Baker thanked Dr. Ford for his very thorough report and stated that he and the Board were looking forward to working with Dr. Stone.

With those announcements, Director Baker thanked the Board, and the business portion of the December 2, 2024, meeting concluded at 10:00am.