



IHMC Board of Directors Teleconference Meeting

Monday, September 10, 2012

8:30 a.m. CST/9:30 a.m. EST - Teleconference Meeting

Roll Call

Chair Glenn Sturm

Chair's Greetings

Chair Glenn Sturm

Action Items

- | | |
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| 1. Approval of June 11, 2012 Minutes | Chair Glenn Sturm |
| 2. Appointment of Board Member Alain Rappaport | Chair Glenn Sturm |
| 3. Executive Compensation Plan | Chair Glenn Sturm |
| 4. Fundraising Committee Update | Chair Glenn Sturm |

Chief Executive Officer's Report

- | | |
|-------------------------------|-----------------|
| 1. Research Update | Dr. Ken Ford |
| 2. Federal Legislative Update | Dr. Ken Ford |
| 3. Ocala Building Update | Dr. Row Rogacki |

Other Items

Adjournment

Agenda item 1:

Florida Institute for Human and Machine Cognition, Inc.
September 10, 2012

Issue: Approve minutes of June 11, 2012

Proposed action: Approval of Minutes from Board of Directors meeting held
June 11, 2012

Background information: None

Attachments: June 11, 2012 Minutes

IHMC Board of Directors Meeting Minutes
June 11, 2012

Roll Call	Chair Jim Reeves
Chair's Greetings	Chair Jim Reeves
1. Approval of April 16, 2012, 2012 Minutes	Chair Jim Reeves
1. Fundraising Committee Update	Vice Chair Glenn Sturm
2. Election of Officers 2012 to 2014	Chair Jim Reeves
3. Action on New Board Members	Chair Jim Reeves
4. Adoption of 2012-2013 Meeting Schedule	Chair Jim Reeves
5. Establishment of Board Committees and Chairs	Chair Jim Reeves
6. Approval of CEO Compensation Adjustment	Director Dick Baker
Chief Executive Officer's Report	
1. Research Update	Dr. Ken Ford
2. Federal Legislative Update	Dr. Ken Ford
3. Intellectual Property Update	Julie Sheppard
4. Research Demonstration, Matt Johnson	Robot Lab
Other Items	
Board Photograph	
Lunch	
Adjournment	

IHMC Chair Jim Reeves called the meeting to order at 8:30 am CST. Directors in attendance included: Dick Baker, Carol Carlan, Bill Dalton, Ron Ewers, Eugene Franklin, Chris Hart, Chuck Horner, Hal Hudson, Eric Nickelsen, Jim Reeves, Ray Russenberger, and Glenn Sturm. Also in attendance were Ken Ford, Sharon Heise, and Julie Sheppard.

Chair Reeves welcomed everyone attending today in person and thanked the Board members who dialed in this morning. He announced that a quorum of the Board was present to conduct business. Chair Reeves remarked that dinner last night at the Lee House was wonderful with Chef Blake Rushing preparing an excellent meal adding that we missed those of you who were unable to attend. He commented that there is a full morning scheduled with a visit to the robot lab to see some research being done by IHMC's Matt Johnson and adding that in addition to the agenda items, he would be calling on Director Dick Baker to discuss the IHMC financials and Vice Chair Glenn Sturm to provide a fundraising update as well as Dr. Ford for his executive report. With those comments, Chair Reeves moved directly into the meeting.

Chair Reeves introduced Action Item 1 asking for a motion to approve of the April 16, 2012 Minutes. Director Baker moved to approve with a second by Director Nickelsen. The motion carried unanimously.

Chair Reeves introduced Agenda Item 2 and asked Vice Chair Sturm to provide an update on fundraising efforts. Vice Chair Sturm thanked Chair Reeves and informed the Board that there were currently 6 very strong prospects being coordinated in so far as visits to IHMC and discussions about opportunities. He informed the Board that he would be staying abreast of these efforts and communicating the results.

Chair Reeves thanked Vice Chair Sturm and introduced Agenda Item 3 involving the election of officers for 2012 to 2014. He stated that he has greatly enjoyed serving as Board Chair for the past 2 years and that at this time; he would like to open the floor for nominations for a Chair and Vice Chair for a two-year term.

Director Dick Baker made a motion to elect Director Glenn Sturm as Chair and Director Ron Ewers as Vice Chair. The Motion was seconded by Director Hal Hudson. Chair Reeves asked for additional nominations and hearing none, called the question. The motion to elect Glenn Sturm Chair and Ron Ewers Vice Chair carried unanimously. Chair Reeves then congratulated Chair Sturm and Vice Chair Ewers.

Chair Reeves then turned to Agenda Item 4 involving the nomination of a new Board member to serve on the IHMC Board and to be a member of the State University System. In your packet, he explained that there was background information on Jon Mills, recommended by IHMC administration as a potential nominee. He then opened up the floor for discussion on this nomination. Several Board members commented favorably of the nomination and incoming Chair Sturm moved to approve Jon Mills as a new IHMC Board member. Incoming Vice Chair Sturm seconded the nomination. The motion carried unanimously and Chair Reeves asked Dr. Ford to notify and congratulate Jon Mills on his appointment to the IHMC Board of Directors.

Chair Reeves then introduced Agenda Item 5 concerning the proposed meeting schedule for 2012-2013. He read the current proposal including a telecon Monday morning September 10th at 8:30 a.m. CST; an in person meeting in Ocala January 17-18 with the social event Thursday evening January 17 and the meeting Friday morning January 18, 2013 scheduled from 8:30 to 12:00 EST; a third meeting as a telecon on Monday afternoon April 15, 2013 at 3:00 EST/2:00 CST; and a fourth in person meeting Sunday and Monday June 23 and 24, 2013. Hearing no objections to any dates, he asked the Board to reserve those times and dates for 2012-2013 meetings.

Chair Reeves then turned to Agenda Item 6 establishing Committees and Chairs for 2012 to 2014 and asked Incoming Chair Sturm to discuss this agenda item. Incoming Chair Sturm read his committee assignments and the proposed assignments for 2012-2014 names were approved by Director Baker, seconded by Incoming Vice Chair Ewers and passed unanimously.

Chair Reeves then turned to Action Item 7 regarding a discussion of Dr. Ford's CEO salary and action on an adjustment. He reminded the Board that as many will recall, the Board in 2005 developed a 5-year compensation plan but has only implemented action on 3 years of the plan. He asked Director Dick Baker, plan creator and Chair of Finance and

Audit to discuss this issue. Director Baker began discussing the 2005 plan and Incoming Chair Sturm requested that the Board go into executive session to discuss this item. The Board asked all non Board members with the exception of Board Secretary Julie Sheppard to leave the meeting during this discussion. The Board executive session discussion took approximately 15 minutes from 8:55 to 9:10.

The Board meeting reconvened at 9:10 and Dr. Ford was informed that the Board was extremely pleased with his performance and that rather than implement the 4th year of the now outdated 2005 plan, the Board has formed an Executive Compensation Committee to recommend an appropriate adjustment to the full board.

Chair Reeves informed the Board that this concluded the Action Items and then called on Director Dick Baker, Chair of Finance and Audit to discuss the IHMC Financials.

Director Baker thanked Chair Reeves and informed the Board that he was pleased to report that on the IHMC financials that net assets were up 7% to \$9 million. He added that with the help of Senator Lynn, the state appropriation had increased by \$450K and that an anonymous donor has made a research contribution of \$800K. He informed the Board that all receivables were current and deemed collectible and that IHMC would be shortly entering the audit review by external auditors. Director Baker thanked Chair Reeves for the opportunity to update the Board on the excellent IHMC financial situation. Chair Reeves thanked Director Baker for his report.

Chair Reeves then informed the Board that this concluded the action items and turned to Dr. Ford to provide his report.

Dr. Ford began his briefing by thanking Chair Reeves for the opportunity to provide this report. He then made a presentation to Chair Reeves for his two years of outstanding service as Board Chair and for assisting IHMC through trying times in the Florida Legislature and all his efforts in the local community. Dr. Ford then presented Chair Reeves with a gift bag from the Roosevelt in New Orleans and a gift certificate to Galatoires noting that it was one of Jim's favorite restaurants. On behalf of the entire Board, Dr. Ford conveyed his deepest appreciation for Jim's service since the creation of the IHMC Board by the Florida legislature.

Dr. Ford then turned to the research report noting that much has happened since the last meeting in April. He noted that IHMC has received several new awards totaling nearly \$2M in funding and that he would mention the most notable among the new awards. He then explained that building on the theme of his very successful Air Force workshop on Human-Machine Trust for Robust Autonomous Systems in Ocala in January and Dr. Dave Atkinson has been funded by the Air Force Office of Scientific Research to study the role of benevolence in trust of autonomous systems. He explained that the central premise of Dave's research is that specific technical attributes of autonomous systems, when appropriately measured and portrayed, are machine "traits" that are analogous to human traits of interpersonal trust. Benevolence is one such trait, and the major goal of Dave's work is to formalize the concept of benevolence as an attribute of trustworthiness

of autonomy, to define objective measures of benevolence, and to investigate how benevolence portrayed in the human-machine interface drives human acceptance or rejection of autonomy and contributes to calibrated trust.

Dr. Ford continued on by explaining that Dr. James Allen recently received \$600K in funding from the Office of Naval Research to explore grounding and learning in the course of human-robot communication adding that the motivation for this effort is that current technology requires all robot capabilities to be pre-programmed in advance, but that we can't realistically expect robots to be pre-programmed to anticipate all possible future needs or operating environments. He added that using the extensive technology IHMC has developed for natural language understanding over the past decade, James is proposing that robots in the field could learn from humans by training using natural language interaction: to learn about the environment, to learn joint tasks they will engage in with humans, and to learn the specific language needed to coordinate tasks. Dr. Ford then explained that with this instruction, a robot should be able to understand new commands in the field, ground language to the current situation, and to recognize what the humans are doing in order to coordinate its behavior.

Dr. Ford also noted that IHMC also recently was notified of another \$3.3M in new work that has been approved but where we are still working on contracting details and that hopefully, it will be "in hand" at the next meeting. He mentioned that as some may recall from previous meetings, last Fall IHMC received notification that Yorick Wilks would receive funding under the Intelligence Advanced Research Projects Agency's Metaphor program to pursue a collaborative research effort with Carnegie Mellon University. Dr. Ford stated that he was pleased to report that as of May 2012, the contract has been signed between iARPA & CMU, and IHMC is simply awaiting the signed subcontract from CMU to complete the award process. In the meantime, he explained, work is underway with the government's approval and that as a quick reminder, the Metaphor project seeks to exploit the fact that metaphors are pervasive in everyday talk and, from an intelligence perspective, can reveal the underlying beliefs and worldviews of members of a culture. Dr. Ford commented that during IHMC's 5-year, \$3.3M part of the project, Dr. Yorick Wilks and Dr. Lucian Galescu will be using their expertise in natural language processing to develop methods for metaphor identification and interpretation, while Dr. Robert Hoffman will use social science methods to validate metaphors and their meaning. Dr. Ford also mentioned that IHMC's Dr. James Allen is serving as an advisor to the project and is providing guidance to all participants.

Dr. Ford then updated the Board on some very interesting research currently being done with the DSO Lab, Singapore's national R&D funding organization adding that IHMC hosted DSO researcher Kenny Chua in Pensacola for 4 months while he worked with Tom Eskridge and Matt Johnson. Dr. Ford then showed the Board a brief video of some of the current work being done in collaboration with DSO Singapore on a project known as Ambient Obstacle Avoidance.

Dr. Ford then noted that in late May, IHMC proudly hosted a 5 day Dynamic Walking Conference on Pensacola Beach that included 150 participants from the U.S. and 16

countries. Dr. Ford showed the board slides of the conference adding that IHMC was certainly busy and in the spotlight and that in addition to the individual sessions throughout the workshop, IHMC hosted a public plenary lecture at the Pensacola Little Theatre that was attended by over 250 people as well as hosting a research open house in downtown Pensacola with 16 demonstrations from the various conference participants on a number of walking, running and crawling robotic technologies. He explained that IHMC was besieged by many of the media outlets and the public concluding that it was a great overall event.

Dr. Ford noted that another project that the Board may find interesting is a recent Blue Sky for the US Air Force that he led in Jackson Hole, Wyoming in late March on the topic of health and how to enhance and optimize human performance using nutrition, supplementation, and commensal gut bacteria. He noted that the top subject matter experts were in attendance as well as current research leadership from AFRL, NIH, Public Health service and NASA. Dr. Ford mentioned that while the military has developed many technological advances for the modern warfighter, relatively little has been done to study science based improvements in nutrition, gut health and supplementation could beneficially impact physical, cognitive and psychological health and resilience of the individual service member. He added that if any Board members are interested in the report, he would share it when available. A brief discussion ensued noting the importance of Omega 3 in human performance. Dr. Ford also thanked incoming Chair Glenn Sturm for his help with the logistics of hosting the meeting in Jackson Hole.

Dr. Ford then showed the Board iPad screen slides of a new project Dr. Alberto Cañas is engaged in with the Moffitt Cancer Center aimed at providing an iPad application for explaining prostate cancer diagnosis and treatment options to the African American community adding that IHMC is hopeful that this collaboration will continue into other cancers.

Dr. Ford then updated the Board that IHMC is currently engaged in discussions with the Tampa VA that we hope may materialize into some interesting research for IHMC that will also help our wounded veterans. He showed a video of the new exoskeleton under development explaining how it would be relevant to this work.

Dr. Ford then discussed another area of research led by James Allen using natural language processing for location navigation. He explained that geolocation through global positioning satellites (GPS) is subject to spoofing, jamming, and other outages and that the IHMC solution is to use a natural language dialog system to allow the user to describe what he or she sees in order for the system to determine where they are located. Dr. Ford then showed a video of Tegus, the Geospatial language understanding system being utilized in downtown Pensacola to locate position.

Dr. Ford explained that IHMC is currently in the process of seeking patent protection on this technology and that this segways nicely into our intellectual property discussion. He

then called on Julie Sheppard to update the Board on some of the current technologies in the patent process.

Julie thanked Dr. Ford and began an update on the status of patents at IHMC. She noted that currently IHMC has five issued 5 patents with five full patent applications pending and one provisional and that there are 9 patent disclosures in the patent process.

Julie reminded the Board that IHMC has a patent on PLOW, an *interactive complex* task teaching system that allows for natural language input, recognizes a user's intent, and automatically performs tasks in document object model (DOM) nodes; PUSH Recovery, a joint patent with Honda for determination of foot placement for humanoid *push recovery*; tBot, a reconfigurable *balancing* robot and method for dynamically transitioning between statically stable mode and dynamically balanced mode; CMap Tools, a patent with UWF for a Concept mapbased multimedia computer system for facilitating user understanding of a domain of knowledge; and OZ, a patent with UWF on a Computer based human-centered display system.

She informed the Board that there are currently five full patent applications pending including a Motion Resolving Hover Display, also known as STICKMAN-filed November 27, 2007 and that IHMC is waiting on patent office determination that should issue soon on this human centered display system for helicopters filed by Dave Still, Tom Eskridge and Leonard Temme (US NAVY).

Also awaiting patent office action is OPPORTUNISTIC LISTENING SYSTEM AND METHOD filed by Niranjani Suri and Giacomo Benincasa on August 16, 2010. Julie explained that this invention comprises a system and method for using communications between two or more peer listeners in order to improve the ability to receive transmitted data.

Julie also mentioned that we are awaiting USPTO action on PIM, or Process Integrated Mechanisms, a computer science patent application filed jointly with UWF concerning leadership modules in a distributed computer setting invented by Ken Ford and Niranjani Suri.

Two other recent patent filings that Julie discussed involve FASTRUNNER, the robotic utility patent application called the Fastrunner limb articulation system that was filed January 31, 2012 and Event Data Visualization Tool, a patent application was filed February 24, 2012 in the area of cyber security that involves a team of five IHMC inventors headed up by Dr. Jeff Bradshaw.

Julie mentioned one provisional patent, a "Humanoid Robot Walking with Limited Available Footsteps" by Jerry Pratt that was filed on this on July 6, 2011 and is in the process of being filed as a full patent in early July. She also mentioned briefly nine current disclosures that are in the patent pipeline at various stages of drafting/assembling/creating drawings explaining that many will be filed as provisional allowing the ideas to become more fully developed in the next year for a more expansive

filing.

Finally, Julie mentioned a new patent being prepared on “Human Centered Navigation”, that will be a joint patent application with the DSO National Laboratory in Singapore and is the result of a collaboration over this spring between Kenny Chua, a DSO scientist who visited us for 4 months and Tom Eskridge and Matt Johnson from IHMC explaining that the invention provides ground vehicles operators with information that facilitates driving tasks such as examining openings that can be traversed, determining vehicle orientation with regard to opening etc.

Dr. Ford thanked Julie for her briefing and a short Board discussion began concerning foreign patent protection and marketing and commercialization efforts, the need for strong commercialization partners and a spinoff or for-profit organization to license the technology.

In other news, Dr. Ford mentioned that he attended his second Defense Science Board meeting and is now co-chair of a technical panel on Technology and Innovation Enablers for 2030 adding that over the course of a year, this panel will study emerging technologies that will enable continued military preeminence in 2030.

He added that while it has also been a short 7 weeks since our last Board meeting, he has maintained a busy travel schedule that also included several speaking engagements. He mentioned that these remain great ways to introduce IHMC’s work to various communities and that in mid May, he spoke to the Executive Class of Leadership Florida in Coral Gables, and in late May, he had the pleasure of giving a keynote at the University of Colorado and that next week, he will be talking about IHMC innovations at the Cool Tech 2012 conference in Tampa. He added that while these are sometimes difficult to fit into an otherwise already busy schedule, the connections we make and the follow-up opportunities are usually worth the effort.

Dr. Ford also addressed some administrative issues informing the Board that this past month, IHMC rented an additional 3,000 square feet of office space at the corner of 100 S. Alcaniz to accommodate employees and summer interns at the Robotics Lab. He mentioned that this now places IHMC in 3 facilities on Alcaniz Street occupying approximately 10,000 square feet of rental property in addition to this building. He stated that because of these needs, IHMC is again turning our attention to designing and seeking grant, donor funding, or low cost financing to construct a state of the art, green research facility along Romana Street to better meet future needs and to offer growth opportunity in Pensacola. He added that he hopes to be discussing these plans in more detail at future meetings.

Dr. Ford also commented that IHMC is approaching the end of our fiscal on June 30 and that our external auditors, Saltmarsh, Cleveland & Gund were here in May conducting interim audit work and will return as the books are closed, which is expected to be the end of July. Additionally, Dr. Ford noted that we have been contacted by the Defense Contract Audit Agency and they are finally making an effort to audit our overhead rate

submissions for the fiscal years 2007 through 2011. IHMC has been providing them additional information as they request it and DCAA has indicated that they hope to have their audits concluded by the end of November 2012. Once they conclude each audit, Dr. Ford stated that IHMC will be able to finalize our rates for each of the fiscal years and close out those projects that have are complete and awaiting final closeout adding that we would keep the Board informed as the audits progress.

Dr. Ford then turned to Ocala noting that at the last Board meeting, he had mentioned that we continue to address the water incursion problems in our building in Ocala. Since resealing the joints between our windows, installing additional downspouts and making a few other adjustments, he happily reported that IHMC has not experienced any additional leaks coming through the roof, however, the heavy rains from Tropical Storm Beryl caused some water incursion in the basement and that we are meeting with our engineering consultants later this week to consider additional actions.

Dr. Ford also noted that IHMC concluded our Ocala Spring Evening Lecture series in May with a presentation by Brother Guy Consolmagno to a record Ocala crowd of 220 people in attendance and that also in May we hosted a two-day research meeting in Ocala with over 20 faculty members from Florida International University and an equally strong showing of IHMC scientists. As a result of this meeting, Dr. Ford noted that IHMC and FIU researchers are engaged in identifying collaborative opportunities to pursue research funding for projects of mutual interest.

Dr. Ford informed the Board that on May 31st, Dr. Row Rogacki had the honor of giving the commencement address at Marion Technical Institute, a high school in Ocala stating that Row said that his primary goal was to finish talking before the audience finished listening, which we understand he accomplished and that Row also completed the 2011/2012 Leadership Florida program last month, becoming the third member of IHMC to complete the prestigious year-long program. He added that Row was one of two people from his 55-member class to be elected by his classmates to represent them at the Leadership Florida Council.

Dr. Ford also mentioned that in April in Pensacola, the EscaRosa Next Generation Learning Community Career Academy presented IHMC with their "Overall Industry Partner" award at the 3rd Annual Career Academy Awards Luncheon. He informed the Board that the Career Academy Awards Ceremony recognizes outstanding business partners who support the career academies within Escambia and Santa Rosa County and those teachers and students from the two districts who excel within their career academy also participated in the ceremony. He noted that IHMC was highlighted for its work with West Florida High School Advanced Career Experience (ACE) program, which allows high school students to work in their chosen technical industry to gain real world, hands on experience.

Dr. Ford then addressed new hires noting he was very pleased to announce a new hire that we have made jointly with Tulane University, Dr. Brent Venable, a computer scientist who will be relocating from the University of Padua, Italy where she is an

Associate Professor in the School of Pure and Applied Mathematics. Dr. Ford adding that Brent will be splitting her time between New Orleans and Ocala.

In Pensacola, Dr. Ford also announced that we have hired Carl Wernicke as IHMC Senior Writer and that for non local board members, Carl comes to IHMC after retiring from 33 years in the publishing industry, the last 15 as the editorial writer for the Pensacola News Journal. He added that Carl will be working half time on newsletters and important news stories for both Ocala and Pensacola and that recently, IHMC launched a news site on its web page to post important news on grants and major happenings.

Dr. Ford continued his hiring report mentioning that Dr. Jennifer Gresham has re-joined the ranks of IHMC research scientists and that some Directors may recall that Jen has been an IHMC visiting research scholar for some time, living now in London with her husband Col. Kyle Gresham, who commands the Air Force's European Office of Aerospace Research and Development. He added that Jen is working for IHMC in a dedicated capacity, preparing written articles focused on human performance augmentation in coordination with the Air Force's 711th Human Performance Wing Chief Scientist and other technical members of that organization.

Dr. Ford commented that in addition to Brent, Carl and Jennifer, summer brings a large number of summer interns and that this summer we have approximately 30 intern students working in our various labs and research groups and the Robotics Lab alone accounts for 12 of them. He then showed the Board some photos of the various summer interns.

Dr. Ford reported that our last several lectures in the spring season were extremely well attended and that in Pensacola, we hosted Steve Mouzon on May 3rd and his lecture is already on line if you did not have the opportunity to hear his talk on urban sprawl recovery. In Ocala, he noted that IHMC had Brad Allenby on April 19th and Brother Guy Consolmagno on May 23rd and that the May lecture had over 200 people and it gave us the opportunity to check out the air conditioning system upgrade in Ocala. He said he was pleased to note that it was blowing quite cold as a number of people in the front row moved back several rows to escape the chill but that with over 200 people, it quickly warmed up to a comfortable setting.

He mentioned that IHMC has just as interesting a lineup for fall lectures beginning in September with Hattie Dorsey in Ocala and Steve Squyres in Pensacola, followed in October by Roy Baumeister in Pensacola and Cardiologist William Davis in Ocala, in November Joel Salatin in Pensacola and Charlie Kennel in Ocala and culminating in December with Gary Taubes in Pensacola and Wes Huntress in Ocala stating that it should be an exciting season.

Dr. Ford noted that Science Saturdays has continued to be very successful in both Pensacola and now in Ocala adding that in Ocala, under the leadership of Ursula Schwuttke, we have now has a full season of activities and it is hugely successful, especially for its first season. While Science Saturdays takes a break each summer, he

added that IHMC is busy lining up research scientists and topics for fall 2012. He then showed the Board a video made by Chris Polack, a teen videographer and volunteer helper in Ocala.

Dr. Ford also discussed several summer programs for area youth commenting that in Ocala, we will host three summer robotics camps for area middle schoolers and that Dr. Gregory Cruz, teacher of the year at Vanguard High School, will teach for us at the camps accompanied by a recent Florida Tech Mechanical Engineering graduate, Kyle Fontaine, who will assist, along with several high school volunteers. He noted that this camp has received strong community sponsorship support along with generous scholarship contributions and that one of the donors, an eleven year-old graduate of IHMC's Tech Connect program, donated \$400 for scholarships, his name: Daniel Sturm.

In Pensacola, Dr. Ford mentioned that we will again host our summer intern program for teens who will explore IHMC, being exposed to research in the various labs as well as helping develop the summer program at the new MESS Hall in downtown Pensacola. He noted that on the table, the Board will find a copy of the most recent newsletter that focuses on the robotics program at IHMC, exploring the MINA project and the new FastRunner project adding that he hopes you enjoy this newsletter. He informed the Board that the next newsletter is already underway and will feature the research of Dr. Dave Atkinson in the Ocala office. Dr. Ford stated that Dave's work focuses on trust and autonomy in human machine interactions.

Dr. Ford also mentioned that HMC is also pleased to be participants in two of the Governor's taskforces, and that on one, dealing with Homeland Security, we are represented by Dr. Row Rogacki and on the second, a taskforce exploring Life Sciences, IHMC is well represented by Dr. Sharon Heise. He stated that he was hopeful that our input will be beneficial to the long-range goals of Florida and we look forward to updating you on the reports from these two taskforces as they are finalized.

Dr. Ford then thanked all the Directors for their faithful and tireless service on the IHMC Board of Directors adding how much he personally appreciated both their time and commitment. He then concluded his report.

Chair Reeves thanked Dr. Ford for his report and then asked the Board if there were additional items to come before the Board. With no additional comments, Chair Reeves adjourned the formal meeting at 10:45 a.m. The Board of Directors took a Board photograph and visited the Robotics Lab for a micro air vehicle demonstration by Matt Johnson. Lunch was served and the Board meeting adjourned at 12:15.

Respectfully submitted,
Julie Sheppard, Corporate Secretary

Florida Institute for Human and Machine Cognition, Inc.
September 10, 2012

Issue: Nomination of New Board Member - - Alain Rappaport

Proposed action: Nomination of Alain Rappaport, MD. PhD, to serve on IHMC Board.

Background information:

Dr. Alain T. Rappaport is an Internet and software entrepreneur. He is co-founder and CEO of Nudit, Inc., an Internet company focused on intelligent choice. He was general manager of health search in the Bing group at Microsoft Corporation until September 2010. Prior to that, he was general manager of health search for Microsoft's Health Solutions Group. Before joining Microsoft, he was founder and CEO of Medstory Inc., a company focused on intelligent search in health and medicine, which Microsoft acquired in 2007.

Before Medstory, Dr. Rappaport was co-founder, president and chief scientist of Neuron Data Inc. (later Blaze Software Inc.), in Palo Alto, Calif., a global leader in artificial intelligence and other business-critical software components serving a wide range of industries, including healthcare.

Dr. Rappaport served as NASA Advisory Council, Technology and Innovation Committee Member in 2010-2012. In 1998-1999, he also held an appointment as senior advisor to NASA, Office of the Director, Center of Excellence for Information Technology, Ames Research Center in Mountain View, Calif. While at NASA, he focused on Internet computing and other strategic initiatives. He is a founding member of the Innovative Applications of Artificial Intelligence (IAAI) Conference. He is a member of the Science Advisory Board of the Institute for Human and Machine Cognition

After completing his degrees, Dr. Rappaport joined the Robotics Institute at the School of Computer Science at Carnegie Mellon University, as a post-doctoral fellow and later adjunct faculty member. He has published in the areas of artificial intelligence, cognitive science and neurosciences in major journals and has been a speaker in leading technology and business workshops and conferences.

Dr. Rappaport received his medical degree from the Necker Sick-Children School of Medicine, René Descartes University, and his doctorate in molecular pharmacology from the Pierre and Marie Curie University in Paris, France.

Attachments: None

Agenda item 3:

Florida Institute for Human and Machine Cognition, Inc.
September 10, 2012

Issue: CEO Compensation

Proposed action: Implement CEO compensation adjustment

Background information: This proposed compensation adjustment would represent the fourth salary increase in the 5-year plan approved by the Board of Directors in 2005 and the increase originally anticipated for 2008. In addition, this proposed adjustment would also include the purchase of a Flexible Premium Adjustable Life Insurance Policy with a Qualified Long-Term Care Insurance Rider. The current plan being reviewed is issued by Lincoln National Life Insurance Company with premiums of \$10,000 for five years after which it would be fully paid and include 4 years of long-term care with a benefit limit of \$152,792 and a specified death benefit of \$76,396. The selected policy would issue in the name of Dr. Ford.

Attachments: None

Agenda item 4:

Florida Institute for Human and Machine Cognition, Inc.
September 10, 2012

Issue: Fundraising Committee Update by Chair Glenn Sturm

Proposed action: None

Background information: None

Attachments: None