

MINUTES OF THE MEETING  
OF THE  
MICHIGAN STATE UNIVERSITY  
BOARD OF TRUSTEES

February 14, 2020

President Stanley called the meeting of the Board of Trustees to order at 8:00 a.m. in the Board Room.

Trustees present: Dianne Byrum, Joel Ferguson, Melanie Foster, Dan Kelly, Brian Mosallam, Brianna Scott, and Kelly Tebay.

Trustees absent: Renee Knake.

University officers present: President Stanley, Interim Provost and Executive Vice President Sullivan, Executive Vice Presidents Beauchamp and Wilbur, Secretary Barr, Senior Vice President Hsu, Vice Presidents Bales, Bollman, Byelich, Gore, Guerrant, Haas, Heil, Maybank, Swain and Senior Advisor and Director Granberry Russell. Faculty liaisons present: Megan Donahue, Richard Fulton, Jennifer Johnson, Deborah Moriarty, and Anna Pegler-Gordon. Student liaisons present: Meagan Abel, Eric Delannoy, Miyanna Fowlkes, and Mario Kakos.

All actions taken were by unanimous vote of the Trustees present, unless otherwise noted.

1. On a motion by Trustee Mosallam, supported by Trustee Byrum, the **BOARD VOTED to approve** the agenda.
2. On a motion by Trustee Foster, supported by Trustee Byrum, the **BOARD VOTED to approve** the minutes of the December 13, 2019 Board of Trustees meeting.
3. Public Participation
  - a. Gregory Spencer—sharpshooter basketball and U.S. Patent
  - b. Elizabeth Abdnour—personnel actions and information reports
  - c. Margarito J. Garcia—Chicano History Week 2020
  - d. Michael Shapiro—dismissal of tenured faculty for cause
  - e. Stephanie Minjung Kang—International Student fee
  - f. Shiksha Sneha—undocumented student rights
  - g. Jonathan Suan-- campus climate and Corona virus (xenophobia towards Asian Americans and Asian International Students)
  - h. Alexa Marsh—public transportation safety initiative
  - i. Ethan Jodoin—Sustainability Student Leadership Council

#### 4. President's Report

President Stanley provided the following report to the Board:

I would like to start by thanking speakers from the audience. I appreciate your comments.

Last week I thought it was important to send an email message to both the Michigan State campus and alumni communities about the display at the Wharton Center gift shop. I spoke about the need for immediate action in my response. I want you to know that I am monitoring progress at the Wharton very closely as management institutes their bias training and take steps to ensure awareness and accountability. Staff training began this week and, again, we will be on top of this.

To the African American community at Michigan State, and particularly the students to whom this has particularly reinforced their anxiety, fear, or sense of isolation and marginalization, as I said in this letter, I hear you, as did every leader of this university. I am also aware that intention and words are not sufficient in dealing with this issue. So, I want to mention again actions we are taking to bring this Spartan community to a point where we all feel safe, respected, and welcome. This incident only underscored the need for urgency in addressing our diversity, equity and inclusion programs, and formulating a campus-wide plan to address the gaps we find. This is something all of us need to be a part of, and something we will all have ample opportunity to engage in.

The University's Diversity, Equity, and Inclusion (DEI) strategic planning effort, led by Migrant Student Services Director Luis Garcia, and Honors College Dean Cynthia Jackson-Elmoore, is now underway. Their task is to inventory DEI efforts across campus, detect gaps, and identify opportunities as they draft a plan. We hope to bring Michigan State into a position of national leadership in this area. They will be reporting today to the Board of Trustees, who are very engaged in this effort and what they are doing so far and their progress to date.

A separate multicultural center feasibility planning committee is currently seeking architectural and engineering proposals for that study. A facility of this kind has been called for by students for many years, and again, we have heard them. It began as a student-initiated project, and it will remain as a student-focused project as we move it forward. I am glad to be able to direct the university's intentions and resources for this. I look forward to working with the Board when we receive the planning committee's recommendation in December for this project.

We are also starting the search for a new Chief Diversity Officer. Paulette Granberry Russel, my Senior Adviser for Diversity, and Director of the Office of Inclusion and Intercultural Initiatives, intends to transition from her position. After 22 years of Paulette's tireless service to advancing diversity, equity, and inclusion at MSU, we have a strong foundation. It is essential we maintain this momentum and build more from it. I have appointed a committee chaired by College of Arts

and Letters Dean Chris Long and Senior Vice President and Chief Information Officer Melissa Woo to conduct a national search, supported by the executive search firm Isaacson Miller. The Chief Diversity Officer will be broadly responsible for fostering an inclusive, equitable, safe, and culturally responsive and supportive environment for Michigan State University. I want to add, that all of our leadership searches and planning initiatives are conducted with the participation of student representatives on the committees, so student voices are heard from the onset. We are making these initiatives and searches as inclusive and transparent as possible. You will be able to follow their progress online.

In my letter last week, I said that the responsibility of creating a truly inclusive campus should not fall onto one person but should be a shared priority for all. All of us need to confront our personal attitudes that make it difficult for us and this university to move forward. I think it is clear that an important component of our efforts to address diversity, equity, and inclusion needs to be education involving the entire campus. As so with our education and training programs targeting relationship violence and sexual misconduct, every member of the MSU community will participate in ongoing education or professorial development on the essential matter in diversity, equity, and inclusion. That includes all faculty, staff and students. This is another action that has been sought by student leaders and faculty leadership. I look forward to working with both groups and others across the university, because this will truly require a community effort. I want to emphasize, this is not just about the Wharton incident, but it is foundational to the integrity of everything we do at MSU. We really need to raise the bar and approach this with an attitude of excellence if we are going to fulfill every aspect of our mission as a public land grant university. I expect to be able to provide more details in the upcoming weeks and months. Anything this important and encompassing requires careful consideration but also urgency. Many conversations and further planning will be necessary. But we will not be slowed down by the challenges we face. My expectation is that the program will be in place by the fall of 2020.

On a positive note, you may have seen that the College of Nursing and Dean Randy Rasch got a well-deserved shout out from the Governor in her State of the State address. Governor Whitmer had asked the college to help lead an initiative called “Healthy Moms, Healthy Babies.” This initiative will help address racial health care disparities throughout the state, including featuring implicit bias training in the curriculum. That is a great example on how the knowledge we develop here at Michigan State benefits not only our students, but the individuals and communities we serve across the state and around the world.

I want to turn to some other items worth noting today. We heard some important comments today about sustainability on campus. I want to draw your eye to an item on today’s agenda as a case in point. It is a plan to develop a new 20-megawatt solar energy farm on the south side of campus. This development will contribute substantially to MSU’s sustainability energy portfolio. At its peak capacity, it could supply up to one-third of the campus’s peak electrical demand.

Michigan State University already has North America's largest solar carport, which increases our on-site renewable energy generation already. If these two are working together on a sunny day, they could provide half of MSU's energy consumption during those days.

I want to acknowledge the passing of two individuals who played an important role at Michigan State and in the lives of many Spartans. John DiBiaggio, who was Michigan State University's 17<sup>th</sup> president from 1985 to 1992, died February 1, 2020. A president at three major universities, he is remembered as a passionate advocate for access to higher education, inclusion and service. Former Trustee, Athletic Coach, and Athletic Director George Perles passed away January 7, 2020. He was also dedicated to service and to our university. I want to convey the University's condolences and gratitude to the families of Dr. DiBiaggio and Coach Perles, and I am sure the trustees will have more to add this morning.

I do not always have the chance to talk about the amazing accomplishments of our faculty. We learned this week of another very impressive ranking for our research programs. The Nature Index is a database of 82 of the world's top science journals. It now ranks MSU faculty as fifth in the country for the increase in peer-reviewed natural science articles they published or co-authored over the last three years. This speaks very highly of the high-quality scholarship and productivity of MSU's researchers.

I have also had the opportunity over the last few weeks to meet some of the amazing, engaged and accomplished students at Michigan State University. I have spoken to over 1,200 top MSU applicants and their parents on January 31, 2020 for the alumni distinguished scholarship competition. It was a great group of prospective students and confirmed for me that the caliber of students who are seeking to attend Michigan State University is truly very impressive. Not only are MSU students bright, but they are also engaged in the community and the world around them. It was an honor to extend recognition to 124 Michigan State University undergraduate and graduate students for their volunteerism last month. Each volunteered 100 or more hours of community engaged learning or service for over a year. Together, they totaled more than 23,000 hours of service with 300 community members, which represents more than a half million in benefits contributed to the community. It was truly inspirational, and a reminder of what we do, and why as educators and Spartans, it matters so much.

Finally, as you know, we had a very successful search for a new head coach for Michigan State University football. Once again, I want to extend a warm Spartan welcome back to Coach Mel Tucker and his family. As I said before, I am very excited by his energy and enthusiasm, and his dynamic, motivational approach to working with our student athletes, and how much he cares about those students as students. They are students first of course, and I appreciate that our athletics department never loses track of that. I also want to acknowledge Coach Mark Dantonio and thank him for his very successful 13 years at Michigan State

University, including taking this football program to the highest level in Division I. Coach Dantonio has set a high bar for the program, but I am very confident Mel Tucker will be able to meet that.

With that, I conclude my report to the Board.

5. Gift, Grant and Contract Report

Senior Vice President Hsu presented the Gifts, Grants, and Contracts Report for the period of November 13, 2019 through January 22, 2020. The report is a compilation of 454 Gifts, Grants and Contracts plus 87 Consignment/Non-Cash Gifts, with a total value of \$95,228,992.

Trustee Mosallam **moved to approve** the recommendation, with support from Trustee Byrum.

**THE BOARD VOTED to approve** the recommendation.

Senior Vice President Hsu introduced Dr. Nigel Paneth, College of Human Medicine, who gave the Board a presentation entitled “The Center for Research in Intellectual and Neurodevelopmental Disabilities at MSU (C-RAIND): A Multi-College Initiative Addressing One of Society’s Most Pressing Problems” (Appendix A)

6. Personnel Actions

Interim Provost Sullivan presented the following personnel actions:

Brown, Ruth, AN-Professor, Department of African American and African Studies, with Tenure, effective July 1, 2020.

Markle, Kevin, AY – Associate Professor, Department of Accounting and Information Systems, with Tenure, effective April 16, 2020.

Quinn, Brian, AN - Acting Vice President of Legal Affairs and General Counsel, for a change to Vice President for Legal Affairs and General Counsel, effective February 1, 2020.

It was also recommended that the title of Vice President and Chief Diversity Officer be created and that all applicable policy documents be revised to reflect the title creation, effective February 1, 2020.

Trustee Scott **moved to approve** the recommendations, with support from Trustee Byrum.

**THE BOARD VOTED to approve** the recommendations.

7. Committee on Budget and Finance

Trustee Foster presented the Trustee Budget and Finance Committee Report and the following recommendations and resolutions.

A. FFE – Michele M. Fluck Department of Microbiology and Molecular Genetics Enhancement Endowment

It was recommended that the Board of Trustees establish a fund functioning as an endowment to provide support for the Department of Microbiology and Molecular Genetics.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby establishes a fund functioning as an endowment entitled "Michele M. Fluck Department of Microbiology and Molecular Genetics Enhancement Endowment."

Trustee Foster **moved to approve** the recommendation, with support from Trustee Byrum.

**THE BOARD VOTED to approve** the recommendation.

B. Sale of Property – 111 Main Street, Leland, Michigan

It was recommended that the Board of Trustees authorize the sale of property located in Leelanau County, Michigan.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to sell the real property located at 111 Main Street, Leland, Michigan, to Leelanau Community Cultural Center for \$800,000, and upon such other terms and conditions as may be acceptable to the President or his designee.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

**THE BOARD VOTED to approve** the recommendation.

C. Installation of a 20 MW Solar Array on South Campus

It was recommended that the Board of Trustees authorize the Administration (i) to enter into a power purchase agreement for the construction of a 20 megawatt solar array in the agriculture district; and (ii) to complete infrastructure improvements necessary to connect this array to the MSU utility system.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to negotiate and execute a power purchase agreement and associated agreements, including leases, for the purpose of constructing a solar array in the agricultural district and infrastructure improvements necessary to connect the array to the T.B. Simon Power Plant, for a term that may exceed 10 years, and upon such other terms and conditions as may be acceptable to the President or his designee.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Byrum.

**THE BOARD VOTED to approve** the recommendation.

D. College of Engineering – Student Activities Building

It was recommended that the Board of Trustees authorize the Administration to plan for and construct a new co-curricular competitive student activities building.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "College of Engineering - Student Activities Building" and implement the project as a material change to the landscape pursuant to Board Policy 02-06-01; and

BE IT FURTHER RESOLVED, that the Board of Trustees of Michigan State University hereby grants a variance to the University Zoning Ordinance to permit an academic land use within the service district.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

**THE BOARD VOTED to approve** the recommendation.

E. Project Approval – Authorization to Proceed  
Munn Ice Arena – Expansion (*budget adjustment*)

It was recommended that the Board of Trustees authorize the Administration to increase the budget for the Munn Ice Arena expansion.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to increase the budget for the project entitled "Munn Ice Arena - Expansion" from \$18,800,000 to \$23,235,000.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Scott.

**THE BOARD VOTED to approve** the recommendation.

8. Academic Affairs Committee

Trustee Byrum presented the Trustee Academic Affairs Committee Report and the following recommendations and resolutions.

A. Revisions to Policy 04-17-07 (Emeritus Title)

It was recommended that the Board of Trustees approve revisions to Policy 04-17-07 (Emeritus Title).

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves revisions to Policy 04-17-07 (Emeritus Title), as shown in Attachment A. (Appendix B)

Trustee Byrum **moved to approve** the recommendation, with support from Trustee Mosallam.

**THE BOARD VOTED to approve** the recommendation.

B. Dismissal of Tenured Faculty for Cause

It was recommended that the Board of Trustees accepts the recommendation of the University Committee on Faculty Tenure Hearing Committee to dismiss Professor Selman Akbulut for cause, pursuant to Board Policy 03-17-09, effective immediately.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby accepts the recommendation of the University Committee on Faculty Tenure Hearing Committee to dismiss Professor Selman Akbulut for cause, pursuant to Board Policy 03-17-09, effective immediately.

Trustee Byrum **moved to approve** the recommendation, with support from Trustee Scott.

**THE BOARD VOTED to approve** the recommendation.

9. Audit, Risk and Compliance Committee

Trustee Kelly presented the Trustee Audit, Risk and Compliance Committee Report and the following recommendations and resolutions.



A. Appointment of University's External Auditors for 2019-20

It was recommended that the Board of Trustees appoint Plante & Moran as external auditors for the 2019-2020 fiscal year with the expectation that they may receive annual reappointment as auditors for a total of six years (through fiscal year 2024-2025), provided service, price, terms, and conditions are satisfactory.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby appoints Plante & Moran as the University's external auditors for the 2019-2020 fiscal year at a fee of \$330,000.

Trustee Kelly **moved to approve** the recommendation, with support from Trustee Scott.

**THE BOARD VOTED to approve** the recommendation.

B. Approval of Contract Terms

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Corporation for Digital Scholarship*, a company in which MSU faculty member Dr. Sharon Leon holds an interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a services agreement with *Corporation for Digital Scholarship* consistent with earlier public notice and with a "Services Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix C)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Great Lakes Crystal Technologies, Inc.*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Great Lakes Crystal Technologies, Inc.* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" presented to the Board for inclusion in its minutes. (Appendix D)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Nimble Acoustics, Inc.*, a company in which MSU faculty member Dr. Mi Zhang holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with *Nimble Acoustics, Inc.*

consistent with earlier public notice given at a Board meeting and with an “Option Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix E)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Pavesoft, LLC*, a company in which MSU faculty member Dr. Muhammed Kutay holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with *Pavesoft, LLC* consistent with earlier public notice given at a Board meeting and with an “License Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix F)

It was recommended that the Board of Trustees approve a contract between Michigan State University and *Scion Plasma, LLC*, a company in which MSU faculty member Dr. Qi Hua Fan holds a financial interest.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a research agreement with *Scion Plasma, LLC* consistent with earlier public notice given at a Board meeting and with an “Research Agreement Term Sheet” presented to the Board for inclusion in its minutes. (Appendix G)

Trustee Kelly **moved to approve** the recommendations, with support from Trustee Byrum.

**THE BOARD VOTED to approve** the recommendations.

B. Notice of Intent to Negotiate Contracts

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance is requested to give public notice of the University's intent to negotiate contracts with *Maid3 Inc.*, a Michigan company. Dr. Guowei Wei, a Professor in the Department of Mathematics, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance is requested to give public notice of the University's intent to negotiate contracts with *3DFoundri, Inc.*, a Michigan company. Dr. Patrick Kwon, a Professor in the Department of Mechanical Engineering and Dr. Haseung Chung, an Assistant Professor in the Department of Mechanical Engineering, and members of their families, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance is requested to give public notice of the University's intent to negotiate contracts with *Early Learning Institute, Inc.*, a Michigan company. Dr. Joshua Plavnick, an Associate Professor in the Department of Counseling, Educational Psychology & Special Education, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

10. Student Life and Culture Committee

Trustee Scott presented the Trustee Student Life and Culture Committee Report.

The Committee on Student Life and Culture discussed campus climate concerns and received updates on community relations and election related activities from Executive Vice President Kathy Wilbur.

11. Chairperson's Report and Trustee Comments

Trustee Byrum acknowledged the George Perles family for their loss. She shared her condolences for Sally Perles and the entire Perles family. George Perles was a former Trustee, Athletic Director, Coach & player at MSU. Trustee Byrum also acknowledged the passing of John Di Biaggio, former MSU President. Trustee Byrum shared that the Board of Trustees has an updated website with the intent to be more transparent and to share information in a timely manner. She thanked Nakia Barr, Jackie VandenBosch and Sandra Cameron for their work on the website.

Trustee Byrum also congratulated Brian Quinn on being named MSU General Counsel. She stated that the Board recently announced the formal investiture for President Stanley this spring. The ceremony will be held at Wharton Center on April 23, 2020. This will be an inclusive, campus-wide event and a joyful milestone in the life of our Spartan community. She encouraged the MSU community to attend the investiture and the reception following. Trustee Byrum gave well wishes to Coach Dantonio and his wife Becky as he transitions into retirement.

Trustee Kelly said that he echoed Trustee Byrum's statement. He welcomed Coach Tucker to MSU and gave his condolences on George Perles' passing.

Trustee Ferguson stated his condolences for President DiBiaggio's passing and remembered him for his dedication to students. He also offered his condolences for George Perles' passing and remembered him for his loyalty to Michigan State University. Trustee Ferguson thanked Athletic Director Beekman for his work on the search for Coach Tucker.

Trustee Foster gave her condolences for President DiBiaggio's passing. She remembered him for leading the university's first capital campaign, securing major gifts, leading the inauguration for the campus cyclotron, and advocating for public higher education. She stated President DiBiaggio was also the president of Tufts University and University of Connecticut. She stated her condolences for George Perles' passing.

Trustee Mosallam shared his condolences for President DiBiaggio's passing. He welcomed Coach Tucker and stated his well wishes for Coach Dantonio and his wife. Trustee Mosallam congratulated Brian Quinn for his appointment. He stated his excitement for the updated website and goal of transparency. Trustee Mosallam offered his condolences for George Perles' passing and noted that his passing was personal to him. Trustee Mosallam thanked Andrea Munford and Becky Campbell for their leadership in trauma-informed training.

Trustee Scott stated her excitement for Black History month, and thanked President Stanley for his leadership on diversity, equity, and inclusion. She stated her condolences to the families of John DiBiaggio and George Perles. Trustee Scott thanked Paulette Granberry Russell for her years of service in diversity, equity, and inclusion. Trustee Scott congratulated Brian Quinn on his appointment. She thanked Dantonio for his years as coach and welcomed Coach Tucker to MSU.

Trustee Tebay acknowledged those who spoke in public comment and thanked them for attending the meeting.

12. Request to Adjourn

On a motion by Trustee Byrum, supported by Trustee Scott, **THE BOARD VOTED to adjourn** at 9:20 a.m.

Respectfully submitted,



Nakia Barr  
Secretary of the Board of Trustees

**RESEARCH  
PRESENTATION  
TO THE MSU BOARD OF TRUSTEES**

**FEBRUARY 14, 2020**

**NIGEL PANETH MD, MPH  
UNIVERSITY DISTINGUISHED PROFESSOR  
DEPARTMENT OF EPIDEMIOLOGY  
AND BIostatISTICS  
C-RAIND CO-DIRECTOR**

Facilitated by the Office of the Senior Vice President  
for Research and Innovation

Nigel Paneth Introduction February 14, 2020

Nigel Paneth MD, MPH is a pediatrician and epidemiologist. He joined MSU in 1989 and founded what is now the Department of Epidemiology and Biostatistics in the College of Human Medicine.

A Harvard educated physician, he completed his post-graduate training in pediatrics at the Bronx Municipal Hospital, Albert Einstein College of Medicine, and later attended Columbia to earn a master's degree in public health.

Over his career, Dr. Paneth has held uninterrupted NIH funding and has been a leader of three of the largest NIH-supported longitudinal studies investigating the determinants of intellectual and neurodevelopmental disabilities in premature infants. He is currently the lead principal investigator of the Michigan center of the NIH Environmental Influences on Child Health Outcomes or ECHO study.

He has authored or edited four books and published some 290 peer-reviewed papers, and he currently serves on a number of state, national, and international boards or committees, including serving as co-chair of the Michigan PFAS and Health Research Consortium.

By researching the origins of brain damage and developmental disabilities, focusing especially on pregnancy and the period surrounding birth, Nigel works to develop approaches to prevent these disorders.

In 2014, Nigel joined Michael Leahy as co-director of MSU's Center for Research in Autism, Intellectual and other Neurodevelopmental Disabilities or C-RAIND, which he will tell us more about today.

Please welcome, University Distinguished Professor, Dr. Nigel Paneth.

THE CENTER FOR RESEARCH IN AUTISM,  
INTELLECTUAL AND OTHER  
NEURODEVELOPMENTAL DISABILITIES

Michael Leahy PhD, College of Education

Nigel Paneth MD, MPH, College of Human Medicine

Co-directors

February 14, 2020



# ESTIMATES OF THE PREVALENCE OF NEURODEVELOPMENTAL DISABILITIES IN THE US

## ESTIMATES OF THE PREVALENCE OF DEVELOPMENTAL DISABILITIES IN THE US

DISABILITY	PREVELENCE
CEREBRAL PALSY	1.5 – 4 PER 1,000 LIVE BIRTHS
EPILEPSY	1% BY AGE 20
HEARING LOSS	0.5%
VISION LOSS	0.5% - 1%
SEVERE INTELLECTUAL DISABILITY	3 – 5 PER 1,000 LIVE BIRTHS
MILD INTELLECTUAL DISABILITY	1 – 1.7% OF THE CHILD POPULATION
AUTISM SPECTRUM DISORDER	BETWEEN 1% AND 1.5% OF US CHILDREN NOW CARRY THE DIAGNOSTIC LABEL OF ASD
LEARNING DISABILITIES	9 – 10%
ATTENTION DEFICIT/HYPERACTIVITY DISORDER	5 – 7%
TOTAL (allowing for overlap among disabilities)	16% - 21%





# VISION: MAKE MSU A GLOBAL LEADER IN RESEARCH, TRAINING AND SERVICE IN NEURODEVELOPMENTAL DISABILITIES

The **VALUES** that support the vision and shape the culture

- **Respecting** human dignity
- **Engaging** with community stakeholders
- **Including** diverse populations
- **Creating** a scholarly environment
- **Using** the best available evidence



## BREADTH OF RESEARCH: 93 FACULTY FROM 12 COLLEGES ACTIVELY CONTRIBUTING TO THIS EFFORT

- Agriculture and Natural Resources
- Arts and Letters
- Business
- Communication Arts and Sciences
- Education
- Engineering
- Human Medicine
- Music
- Natural Science
- Nursing
- Osteopathic Medicine
- Social Science

Plus Extension and Outreach and Engagement



# C-RAIND ACHIEVEMENTS

## RESEARCH

- **SEED FUNDING** grants to assist investigators to get external funds
- **\$17M, 7-YEAR NIH ECHO** project on environmental causes of childhood disorders
- **\$1.4M Department of Defense GRANT** on school to work

## TRAINING

- **HEGARTY FELLOWS**, a post-doctoral program with one year at MSU and one year in Ireland
- **ASSISTID FELLOWSHIP** funded by the European Union providing training in technology for disabilities
- **MSU MASTER'S DEGREE IN APPLIED BEHAVIORAL ANALYSIS**



## Grand Opening April 27 of New Space for Assessment with Hope Network



**Spartan Project  
SEARCH Supports  
Employment of Young  
Adults with Neuro-  
developmental  
Disabilities**



**Celebrating the  
Spectrum Festival  
Showcases the  
Musical Talent of  
Pre-college Students  
with ASD**



## NEW INITIATIVE

- With MSU as the lead, we recently submitted with Wayne State University, an application for a **NIH-supported Intellectual and Developmental Disabilities Research Center (IDDRC)** in Michigan.
- There are currently 14 centers nationally, but Michigan has never had an IDDRC.
- Awards announced in May.



## WHAT THE CENTER GRANT WOULD ADD

- Five years of support to MSU and WSU totaling **\$6.5M from NIH** (2/3 of budget to MSU), which will support:
  - A study of whether computer games, which MSU scientists currently use in Africa, can improve cognitive outcomes in lead-exposed children in Flint. The study is led by **Michael Boivin** (Osteopathic Medicine) and **Mona Hanna-Attisha** (Human Medicine)
  - A focus on not just studying, but **implementing** evidence-based interventions for people with disabilities in the community
  - Two special resources for investigators:
    - A facility to provide cutting edge science to investigators who want to study the role of **environmental contaminants and the microbiome** in neurodevelopmental disabilities
    - Resources to support investigators in **all aspects of assembling studies of IDD**, from recruiting participants to completing the statistical analyses



## OUR ULTIMATE GOAL

- **TO MAKE MSU A GLOBAL LEADER** and a major resource for cutting-edge research and programs addressing the problems of children and families with
  - AUTISM SPECTRUM DISORDER
  - ALL FORMS OF INTELLECTUAL DISABILITY
  - ATTENTION DEFICIT HYPERACTIVITY DISORDER
  - LEARNING DISABILITIES
  - OTHER NEURODEVELOPMENTAL DISABILITIES, SUCH AS CEREBRAL PALSY AND EPILEPSY





**THANK YOU**



# MICHIGAN STATE UNIVERSITY

February 14, 2020

## MEMORANDUM

**To:** Committee on Academic Affairs

**From:** Teresa A. Sullivan *Teresa A. Sullivan*  
Interim Provost and Executive Vice President for Academic Affairs

**Subject:** Revisions to Policy 04-17-07 (Emeritus Title)

## RECOMMENDATION

The Trustee Committee on Academic Affairs recommends that the Board of Trustees approve revisions to Policy 04-17-07 (Emeritus Title).

## RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves revisions to Policy 04-17-07 (Emeritus Title), as shown in Attachment A.

## BACKGROUND

The "emeritus" title is an honorific award that grants certain privileges to faculty, academic staff, and administrative staff upon retirement from the university.

The university is currently in the process of integrating the Michigan State University College of Law into MSU as one of its constituent colleges, with a target completion date of August 15, 2020. As part of this process, certain faculty and staff of the College of Law transitioned their employment to the university effective January 1, 2020 in anticipation of the full integration of the College of Law into the university. This proposed revision to the Emeritus Title Policy is intended to clarify how eligibility for emeritus status will be determined for these individuals. It provides that their original employment start date with the Law College will be used to determine years of service and that the determination of emeritus status will be handled separate and apart from eligibility for other retirement benefits.

The proposed revisions were approved by University Council at its meeting on January 21, 2020.

**cc:** Board of Trustees, S. Stanley, K. Wilbur, N. Beauchamp, N. Barr, B. Quinn, M. Zeig, G. Hoppenstand, T. Curry



## OFFICE OF THE PROVOST

Michigan State University  
Hannah Administration Building  
426 Auditorium Road, Room 430

East Lansing, Michigan 48824

Phone: 517-355-6550  
Fax: 517-355-9601  
provost.msu.edu

**EMERITUS TITLE****04-17-07**

Members of the faculty, academic staff and administrative staff who leave the University with official retirement status and in good standing<sup>1</sup> are granted certain privileges and the "emeritus" title.<sup>2</sup> For faculty members with the rank of professor, associate professor or assistant professor, the "emeritus" designation is appended to the rank held at the time of retirement, e.g., professor emeritus. For academic staff the title would be librarian emeritus, etc. For administrators whose administrative appointment requires approval by the Board of Trustees, the emeritus designation, upon approval by the Provost and the President, is appended only to the most senior administrative title held at Michigan State University, which may be held at or prior to the time of retirement, e.g., dean emeritus. The emeritus designation is not normally awarded for administrative titles held on an "acting" basis.

Faculty, academic staff, and administrative staff who end their employment at the University after a substantial period of distinguished service short of the years of service needed for retirement eligibility, may be granted emeritus status upon the recommendation of the Provost to the President, after the Provost consults with the University Committee for Faculty Affairs.

Faculty with the emeritus designation are entitled to attend Academic Senate meetings with voice but without vote; to march in academic processions such as commencement; to avail themselves of the libraries; to have continued access to an MSU e-mail account; to receive, on application, a faculty vehicle permit; to represent the University, on appointment, at academic ceremonies of other institutions; and, in general, to take part in the social and ceremonial functions of the University.

Emeritus status may be revoked upon the recommendation of the Provost to the President, after approval by the University Committee for Faculty Affairs in those exceptional cases in which behavior occurring or discovered after being awarded emeritus status is deemed to be substantially inconsistent with the behavior expected of Michigan State University faculty, academic staff, and administrative staff.

Enacted: 5/18/50

Amended: 4/5/91, 6/21/19, 2/14/20

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<sup>1</sup> "Good Standing" is assumed unless one ends employment while suspended or during dismissal proceedings.

<sup>2</sup> For purposes of granting "emeritus" status only, the employment start date with Michigan State University College of Law, a Michigan non-profit corporation, will be used to determine emeritus eligibility for College of Law faculty, academic staff and administrative staff who transitioned their employment to the University, effective January 1, 2020, in anticipation of the full integration of Michigan State University College of Law, a Michigan non-profit corporation, into the University. Any such individual's "emeritus" status will not affect the University's retirement eligibility requirements as they apply to such individual (i.e., the employment start date with the University will be used to determine such individual's retirement eligibility).

# MICHIGAN STATE UNIVERSITY

February 14, 2020

## MEMORANDUM

**To:** Committee on Audit, Risk and Compliance

**From:** Teresa A. Sullivan *Teresa A. Sullivan*  
Interim Executive Vice President and Provost

**Subject:** Approval of Contract Terms: *Corporation for Digital Scholarship*

### **RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Corporation for Digital Scholarship*, a company in which MSU faculty member Dr. Sharon Leon holds an interest.

### **RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a services agreement with *Corporation for Digital Scholarship* consistent with earlier public notice and with a "Services Agreement Term Sheet" now presented to the Board for inclusion in its minutes.



### OFFICE OF THE PROVOST

Michigan State University  
Hannah Administration Building  
426 Auditorium Road, Room 430  
East Lansing, Michigan 48824

Phone: 517-355-6550  
Fax: 517-355-9601  
provost.msu.edu

### **BACKGROUND**

In compliance with State law, public notice of the University's intent to negotiate contracts with *Corporation for Digital Scholarship*, a Virginia Corporation, was given at the Board of Trustees meeting on December 13, 2019. The terms of a services agreement are now presented for Board approval.

Dr. Sharon Leon, an Associate Professor in the Department of History, and members of her family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

The attached "Services Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Corporation for Digital Scholarship*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,  
K. Wilbur, B. Quinn, C. Berg

## SERVICES AGREEMENT TERM SHEET

**Party:** Corporation for Digital Scholarship

**Agreement:** MSU to provide development, oversight, maintenance and guidance for a third-party, Omeka, open-source publishing platform

**Term:** Effective date – December 31, 2020

**Payment Terms:** \$53,338.83 payment to MSU for services

**Services Provided:** By MSU to Corporation for Digital Scholarship: oversee the development, maintain and set the direction for a third party software development team that operates an open-source web publishing platform that allows the user to work with digitized collections

By Corporation for Digital Scholarship to MSU: None contemplated under the agreement

**Use of University Facilities/ Personnel:** Services conducted at 3432 Old Horticulture by or under the direction of Dr. Sharon Leon and/or Kathleen Fitzpatrick

**Organization Type:** Virginia corporation

**Personnel Interest:** Dr. Sharon Leon, an Associate Professor in the Department of History, and members of her family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

# MICHIGAN STATE UNIVERSITY

February 14, 2020

## MEMORANDUM

**To:** Committee on Audit, Risk and Compliance

**From:** Teresa A. Sullivan *Teresa A. Sullivan*  
Interim Executive Vice President and Provost

**Subject:** Approval of Contract Terms: *Great Lakes Crystal Technologies, Inc.*

### RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Great Lakes Crystal Technologies, Inc.*, a company in which MSU faculty member Dr. Timothy Grotjohn holds an interest.

### RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a services agreement with *Great Lakes Crystal Technologies, Inc.* consistent with earlier public notice and with a "Services Agreement Term Sheet" now presented to the Board for inclusion in its minutes.



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### BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Great Lakes Crystal Technologies, Inc.*, a Michigan company, was given at the Board of Trustees meeting on September 6, 2019. The terms of a services agreement are now presented for Board approval.

Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

The attached "Services Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Great Lakes Crystal Technologies, Inc.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,  
K. Wilbur, B. Quinn, C. Berg

## SERVICES AGREEMENT TERM SHEET

**Party:** Great Lakes Crystal Technologies, Inc.

**Agreement:** Subcontract from Great Lakes Crystal Technologies, Inc. prime award from the US Department of the Air Force to MSU (IP00454612)

**Term:** December 12, 2019 – March 11, 2020

**Payment Terms:** \$11,665.04 payment to MSU for services

**Services Provided:** By MSU to Great Lakes Crystal Technologies, Inc.: travel and participate in discussions with corporations to develop further research collaborations in the area of advanced diamond material applications in magnetic field sensing and quantum computing

By Great Lakes Crystal Technologies, Inc. to MSU: None contemplated under the agreement

**Use of University Facilities/ Personnel:** Services conducted in the Engineering Building by or under Dr. Timothy Grojahn and/or Dr. Elias Garratt and/or Dr. Paul Quayle

**Organization Type:** Michigan corporation


**Personnel Interest:** Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

# MICHIGAN STATE UNIVERSITY

February 14, 2020

## MEMORANDUM

**To:** Committee on Audit, Risk and Compliance

**From:** Teresa A. Sullivan   
Interim Executive Vice President and Provost

**Subject:** Approval of Contract Terms: *Nimble Acoustics, Inc.*

## RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Nimble Acoustics, Inc.*, a company in which MSU faculty member Dr. Mi Zhang holds a financial interest.

## RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with *Nimble Acoustics, Inc.* consistent with earlier public notice given at a Board meeting and with an "Option Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

## BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Nimble Acoustics, Inc.*, a Michigan corporation, was given at the Board of Trustees meeting on October 25, 2019. The terms of an option agreement are now presented for Board approval.

Dr. Mi Zhang, Assistant Professor in the Department of Electrical and Computer Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Option Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Nimble Acoustics, Inc.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg



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Michigan State University  
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## OPTION AGREEMENT TERM SHEET

<b>Party:</b>	Nimble Acoustics, Inc.
<b>Agreement:</b>	Option for license in the field of audio signal processing
<b>Technology:</b>	MSU technology disclosure TEC2018-0020 entitled "SharpEar: Real-Time Speech Enhancement in Noisy Environments" and related patent applications including US16/129,467. MSU technology disclosure TEC2018-0115 entitled "NestDNN: A Pruning-and-Recovery Paradigm for Deep Neural Networks: and related patent applications including PCT/US2019/046011. The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided that the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.
<b>Term:</b>	One year from the effective date with a one-year extension for an additional fee
<b>Potential Commercial Application:</b>	Audio signal processing for enhancing performance of audio devices
<b>Payment Terms:</b>	\$1,000 to MSU within 30 days of the effective date
<b>Services Provided:</b>	By MSU to Nimble Acoustics, Inc.: None contemplated under the agreement  By Nimble Acoustics, Inc. to MSU: None contemplated under the agreement
<b>Organization Type:</b>	Michigan corporation
<b>Personnel Interest:</b>	Dr. Mi Zhang, Assistant Professor in the Department of Electrical and Computer Engineering and members of his family, own or have options to buy an ownership interest of more than 1% of the company.

**MICHIGAN STATE**  
**U N I V E R S I T Y**

February 14, 2020

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance

**From:** Teresa A. Sullivan *Teresa A. Sullivan*  
Interim Executive Vice President and Provost

**Subject:** Approval of Contract Terms: *Pavesoft, LLC*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Pavesoft, LLC*, a company in which MSU faculty member, Dr. Muhammed Kutay, holds a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Pavesoft, LLC* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.



**OFFICE OF THE  
PROVOST**

Michigan State University  
Hannah Administration Building  
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Phone: 517-355-6550  
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provost.msu.edu

**BACKGROUND**

In compliance with State law, public notice of the University's intent to negotiate contracts with *Pavesoft, LLC*, a Michigan limited liability company, was given at the Board of Trustees meeting on June 21, 2019. The terms of a license agreement are now presented for Board approval.

Dr. Muhammed Kutay, Associate Professor in the Department of Civil and Environmental Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Pavesoft, LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,  
K. Wilbur, B. Quinn, C. Berg

## LICENSE AGREEMENT TERM SHEET

**Party:** Pavesoft, LLC

**Agreement:** Exclusive license in the field of road design

**Technology:** MSU TEC2020-0077 "Asphalt Pavement Analysis and Design Software Two." The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.

**Term:** Effective Date – to the expiration of all copyrights or twenty (20) years from the effective date

**Potential Commercial Application:** Software for the design of roads, including asphalt specifications and analysis

**Payment Terms:** \$1,000 to MSU within one calendar year of the effective date; royalty of 5.0% on net sales

**Services Provided:** By MSU to Pavesoft, LLC: None contemplated under the agreement  
  
By Pavesoft, LLC to MSU: None contemplated under the agreement

**Organization Type:** Michigan limited liability company

**Personnel Interest:** Dr. Muhammed Kutay, an Associate Professor in the Department of Civil and Environmental Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

**MICHIGAN STATE**  
**U N I V E R S I T Y**

February 14, 2020

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance

**From:** Teresa A. Sullivan *Teresa A. Sullivan*  
Interim Executive Vice President and Provost

**Subject:** Approval of Contract Terms: *Scion Plasma, LLC*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Scion Plasma, LLC*, a company in which MSU faculty member Dr. Qi Hua Fan holds a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a research agreement with *Scion Plasma, LLC* consistent with earlier public notice given at a Board meeting and with a "Research Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

**BACKGROUND**

In compliance with State law, public notice of the University's intent to negotiate contracts with *Scion Plasma, LLC*, a Michigan limited liability company, was given at the Board of Trustees meeting on June 22, 2018. The terms of a research agreement are now presented for Board approval.

Dr. Qi Hua Fan, Associate Professor in the Department of Electrical and Computer Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Scion Plasma LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,  
K. Wilbur, B. Quinn, C. Berg



OFFICE OF THE  
PROVOST

Michigan State University  
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## RESEARCH AGREEMENT TERM SHEET

**Party:** Scion Plasma, LLC

**Agreement:** MSU intends to analyze and examine Indium Oxide films produced by Scion Plasma, LLC and characterize photo voltaic performance of the films.

**Term:** Twenty-four months from the effective date

**Potential Commercial Application:** Ion source for manufacture of transparent coatings

**Payment Terms:** \$90,000 to MSU for research

**Services Provided:** By MSU to Scion Plasma LLC: Analysis and examination of Indium Oxide films and characterize the photo voltaic performance of the films

By Scion Plasma LLC to MSU: None contemplated under the agreement

**Use of University Facilities/Personnel:** Work to be performed at MSU's Molecular and Organic Excitonics Lab in the College of Engineering by or supervised by Dr. Richard Lunt

**Organization Type:** Michigan limited liability company

**Personnel Interest:** Dr. Qi Hua Fan, Associate Professor in the Department of Electrical and Computer Engineering and members of his family, own or have options to buy an ownership interest of more than 1% of the company.