

MICHIGAN STATE
UNIVERSITY

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: Publishing Contract for Dr. Peter C. Alegi

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and Dr. Peter C. Alegi, an MSU faculty member.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Peter C. Alegi consistent with earlier public notice given at a Board meeting and with a "Publishing Contract 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 Dr. Peter C. Alegi was given at the Board of Trustees meeting on December 18, 2015 and approval of the resulting contract was given at a meeting on June 21, 2017. The terms of a publishing contract renewal are now presented for Board approval.

Dr. Peter C. Alegi is a Professor in the Department of History.

The attached "Publishing Contract Term Sheet" summarizes the agreement that MSU has negotiated with Dr. Peter Alegi.

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



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PUBLISHING CONTRACT TERM SHEET

Party:	Dr. Peter C. Alegi
Project Description:	Renewal of a contract for the editing of a book series entitled <i>African History and Culture</i>
Term:	Two years
Agreement:	Dr. Alegi will receive two free copies of each published work, and additional copies at a 40% discount from the retails price.
Services Provided:	By MSU to Dr. Alegi: Publication of book series By Dr. Alegi to MSU: Editing the book manuscripts
Use of University Facilities/ Personnel:	Not Applicable
Organization Type:	Dr. Alegi is contracting as an individual.
Personnel Interest:	This contract will be directly between Dr. Alegi, a Professor in the Department of History, and MSU.

MICHIGAN STATE UNIVERSITY

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *Fraunhofer USA, Inc. #1*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Fraunhofer USA, Inc.*, a company in which MSU faculty member Dr. Thomas Schuelke holds an interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Fraunhofer USA, Inc.* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research 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 *Fraunhofer USA, Inc.*, a Rhode Island nonprofit corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of a sponsored research agreement are presented for Board approval.

Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of *Fraunhofer USA, Inc.*

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Fraunhofer USA, Inc.*

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

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Fraunhofer USA, Inc.

Agreement: Subcontract under Plasmability's US Army contract (MSU reference number RC108803) for Vertical Growth Technique for Diamond Substrate

Term: May 1, 2018 to April 30, 2020

Payment Terms: \$124,999 for services provided

Services Provided:

By MSU to Fraunhofer USA, Inc.: None contemplated under the agreement

By Fraunhofer USA, Inc. to MSU: Develop a process for polishing diamond substrates

Use of University Facilities/ Personnel: Center for Coatings and Diamond Technologies within the College of Engineering; collaborators include Dr. Timothy Grotjohn, Dr. Tim Hogan, and Dr. Thomas Shuelke

Organization Type: Rhode Island nonprofit corporation

Personnel Interest: Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of Fraunhofer USA, Inc.

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

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *Fraunhofer USA, Inc. #2*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Fraunhofer USA, Inc.*, a company in which MSU faculty member Dr. Thomas Schuelke holds an interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Fraunhofer USA, Inc.* consistent with earlier public notice given at a Board meeting and with a "Sponsored 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 *Fraunhofer USA, Inc.*, a Rhode Island nonprofit corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of a sponsored research agreement are presented for Board approval.

Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of *Fraunhofer USA, Inc.*

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Fraunhofer USA, Inc.*

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



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SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Fraunhofer USA, Inc.

Agreement: Subcontract under Kyma Technologies, Inc.'s Small Business Innovation Research program (MSU reference number RC109059) for Development of Large Area Mosaic Single Crystal Diamond Substrates

Term: May 10, 2018 to May 9, 2019

Payment Terms: \$99,911 for services provided

Services Provided:

By MSU to Fraunhofer USA, Inc.: None contemplated under the agreement

By Fraunhofer USA, Inc. to MSU: Laser cut and polish diamond substrates in preparation for diamond deposition

Use of University Facilities/ Personnel: Center for Coatings and Diamond Technologies within the College of Engineering; collaborators include Dr. Timothy Grotjohn, Dr. Tim Hogan, and Dr. Thomas Shuelke

Organization Type: Rhode Island nonprofit corporation

Personnel Interest: Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of Fraunhofer USA, Inc.

MICHIGAN STATE UNIVERSITY

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *Fraunhofer USA, Inc. #3*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Fraunhofer USA, Inc.*, a company in which MSU faculty member Dr. Thomas Schuelke holds an interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Fraunhofer USA, Inc.* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research 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 *Fraunhofer USA, Inc.*, a Rhode Island nonprofit corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of a sponsored research agreement are presented for Board approval.

Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of *Fraunhofer USA, Inc.*

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Fraunhofer USA, Inc.*

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

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Fraunhofer USA, Inc.

Agreement: Subcontract under Department of Energy contract (MSU reference number RC108668) for Boride-Carbon Hybrid Technology to Produce Ultra-Wear and Corrosion Resistant Surfaces for Applications in Harsh Conditions

Term: May 16, 2018 to November 15, 2019

Payment Terms: MSU is providing is \$275,648 and Fraunhofer will cost share \$101,767 for a total of \$377,415 for services provided

Services Provided:

By MSU to Fraunhofer USA, Inc.: None contemplated under the agreement

By Fraunhofer USA, Inc. to MSU: Identify performance benefits of wear and corrosion of boride-carbon hybrid technology

Use of University Facilities/ Personnel: Center for Coatings and Diamond Technologies within the College of Engineering; collaborators include Dr. Timothy Grotjohn, Dr. Qi Fan, and Dr. Thomas Shuelke

Organization Type: Rhode Island nonprofit corporation

Personnel Interest: Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of Fraunhofer USA, Inc.

MICHIGAN STATE UNIVERSITY

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *Fraunhofer USA, Inc. #4*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Fraunhofer USA, Inc.*, a company in which MSU faculty member Dr. Thomas Schuelke holds an interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Fraunhofer USA, Inc.* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research 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 *Fraunhofer USA, Inc.*, a Rhode Island nonprofit corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of a sponsored research agreement are presented for Board approval.

Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of *Fraunhofer USA, Inc.*

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Fraunhofer USA, Inc.*

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

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Fraunhofer USA, Inc.

Agreement: Subcontract under Michigan Economic Development Corporation (MSU reference number RC108920) for Development of Scalable Linear Ion Sources for Thin Film Processing

Term: August 1, 2018 to July 31, 2019

Payment Terms: \$10,000 for services provided

Services Provided: By MSU to Fraunhofer USA, Inc.: None contemplated under the agreement

By Fraunhofer USA, Inc. to MSU: develop single beam ion source technology

Use of University Facilities/ Personnel: Center for Coatings and Diamond Technologies within the College of Engineering; collaborators include Dr. Qi Fan and Dr. Thomas Shuelke

Organization Type: Rhode Island nonprofit corporation

Personnel Interest: Dr. Thomas Schuelke, a Professor in the Department of Electrical and Computer Engineering, is President of Fraunhofer USA, Inc.

MICHIGAN STATE
UNIVERSITY

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: Publishing Contract for Dr. Kenneth W. Harrow

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and Dr. Kenneth W. Harrow, an MSU faculty member.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a publishing contract with Dr. Kenneth W. Harrow consistent with earlier public notice given at a Board meeting and with a "Publishing Contract 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 Dr. Kenneth W. Harrow was given at the Board of Trustees meeting on December 18, 2015 and approval of the resulting contract was given at a meeting on June 21, 2017. The terms of a publishing contract renewal are now presented for Board approval.

Dr. Kenneth W. Harrow is a Professor in the Department of English.

The attached "Publishing Contract Term Sheet" summarizes the agreement that MSU has negotiated with Dr. Kenneth W. Harrow.

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



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PUBLISHING CONTRACT TERM SHEET

Party:	Dr. Kenneth W. Harrow
Project Description:	Renewal of a contract for the co-editing of a book series entitled <i>African Humanities and the Arts</i>
Term:	Two years
Agreement:	Dr. Harrow will receive two free copies of each published work, and additional copies at a 40% discount from the retails price.
Services Provided:	By MSU to Dr. Harrow: Publication of book series By Dr. Harrow to MSU: co-editing the book manuscripts
Use of University Facilities/ Personnel:	Not Applicable
Organization Type:	Dr. Harrow is contracting as an individual.
Personnel Interest:	This contract will be directly between Dr. Harrow, a Professor in the Department of English, and MSU.

**MICHIGAN STATE
UNIVERSITY**

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *Jetfire Power Systems, Inc.*

RECOMMENDATION

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

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an option agreement with *Jetfire Power Systems, 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.



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BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Jetfire Power Systems, Inc.*, a Michigan corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of an option agreement are now presented for Board approval.

Dr. Harold Schock, Professor in the Department of Mechanical, 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 *Jetfire Power Systems, Inc.*

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

OPTION AGREEMENT TERM SHEET

Party:	Jetfire Power Systems, Inc.
Agreement:	Option for exclusive license in all fields
Technology:	MSU technology disclosure TEC2013-0003 and TEC2016-0119 entitled "Turbulent Jet Ignition Internal Combustion Engine" (US Patent 10,161,296); TEC2018-0010 "Diesel Engine with Tubulent Jet Ignition" (PCT/US2018/043879) 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.
Term:	Six months from the effective date, an additional six months with payment of an additional fee
Potential Commercial Application:	Enhanced combustion in an internal combustion engine using pre-chamber
Payment Terms:	Up-front payment of \$500 to MSU, \$500 to extend the option for an additional six months
Services Provided:	By MSU to Jetfire Power Systems, Inc.: None contemplated under the agreement By Jetfire Power Systems, Inc. to MSU: None contemplated under the agreement
Organization Type:	Michigan corporation
Personnel Interest:	Dr. Harold Schock, Professor in the Department of Mechanical 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

June 21, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: June Pierce Youatt 
Executive Vice President and Provost

Subject: Approval of Contract Terms: *National Pesticide Safety and Education Center*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and the *National Pesticide Safety and Education Center*, a center in which MSU employee Mr. Tom Smith holds an interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a service agreement with the *National Pesticide Safety and Education Center* consistent with earlier public notice given at a Board meeting and with a "Service 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 the *National Pesticide Safety and Education Center*, a Michigan nonprofit corporation, was given at the Board of Trustees meeting on April 12, 2019. The terms of a service agreement are now presented for Board approval.

Mr. Tom Smith, Associate Director of MSU's Institute of Agricultural Technology has an interest in the center.

The attached "Service Agreement Term Sheet" summarizes the agreement that MSU has negotiated with the *National Pesticide Safety and Education Center*.

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



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SERVICE AGREEMENT TERM SHEET

Party:	National Pesticide Safety and Education Center ("NPSEC")
Agreement:	MSU will provide Executive Director services to the NPSEC.
Term:	February 1, 2019 to January 31, 2020
Payment Terms:	\$146,412.65 to MSU in fees for service
Services Provided:	By MSU to NPSEC: Provide Executive Director services including, but not limited to: (1) oversight, establishment and operation of the governance structure for the NPSEC; (2) development, implementation and management of a business plan and budget; (3) marketing and communication services offered by NPSEC; (4) maintenance of quality control and efficiencies for NPSEC products and services; and (5) oversight of fiscal activities, budget management and financial practices By NPSEC to MSU: None contemplated under the agreement
Use of University Facilities/Personnel:	Efforts of Mr. Tom Smith
Organization Type:	Michigan nonprofit corporation
Personnel Interest:	Mr. Tom Smith is the Associate Director of MSU's Institute of Agricultural Technology and is the Executive Director of the National Pesticide Safety and Education Center.