

ACTION REQUEST

Subject: Subcontract Agreement between the University of Michigan and EMAG Technologies, Inc.

Action Requested: Authorization to enter into Agreement

Preamble:

A statutory conflict of interest situation was identified by the Office of Research and Sponsored Projects while reviewing the Proposal Approval Form which then triggered a review by the UMOR Conflict of Interest Review Committee. A plan for management of the possible risks associated with the conflict of interest was then developed and approved by the Committee and agreed to by the parties involved.

This proposed agreement ("Agreement") falls under the State of Michigan Conflict of Interest Statute because Professor Kamal Sarabandi is an employee of the University of Michigan ("University"), and a partial owner of EMAG Technologies, Inc. The law permits such an Agreement provided it is disclosed to the Board of Regents ("Regents") of the University of Michigan and approved in advance by a 2/3 vote.

Background:

Dr. Kamal Sarabandi, a Professor in the Department of Electrical Engineering and Computer Science, is the partial owner of a for-profit company called EMAG Technologies, Inc. The Company wishes to fund a Department of Defense - Army (prime) research and development project entitled "Fast Multipole Method (FMM) and FFT-Accelerated Integral Equation Solvers for Analyzing High Frequency Scattering Phenomena" (ORSP #15-PAF04404) in the Department of Electrical Engineering and Computer Science Department under the direction of Dr. Eric Michielssen. The purpose of this project is to build on a previously developed FMM-FFT based integral equation solver for analyzing high-frequency scattering phenomena through parallel efficiency, developing mechanisms for interfacing this solver with other simulation tools already available in the multi-solver EMCUBE framework, and integrating these technologies into the EMCUBE Framework.

Agreement Terms:

The terms of the Agreement conform to University policy. The period of performance for the project is approximately two (2) years. The amount of funding support will not exceed \$250,000. Since research projects are often amended, this agreement includes provisions for changes in time, amount, and scope. University procedures for approval of these changes will be followed and additional conflict of interest review will be done as appropriate.

Impact of the Agreement

The Agreement will support an effort by Dr. Michielssen to use his expertise and University laboratory, as well as other University resources to improve the accuracy of wide scale radar systems.

Recommendations:

This matter has been reviewed and approved by the UMOR Conflict of Interest Review Committee. In light of this disclosure and our finding that the Agreement was negotiated in conformance with standard University practices, I recommend that the Board of Regents approve the University's entering into this Agreement with EMAG Technologies, Inc.

Respectfully submitted,



S. Jack Hu
Interim Vice President for Research

May 2015