Dear Ted,

I have received a copy of the Provost’s letter (dated 23 March, 2010) to you and to the Co-Chairs of the DPC, with CC to DH Holot, DPCC Jackson, and myself. I am writing now in response to your request for some additional information regarding my pending tenure decision. You find this information below.

I am confident that your response to the Provost’s letter will be successful.

Thanks and best regards,

Andreas

Research

Since December 2009, that is, for the last three months, I have not been harassed by Mr. Paros, his aides, and the upper UMass administration. During these three months, I have taken steps to bring my research productivity and extramural funding back to pre-Paros levels.

Proposals:

Vernon, F., and M. Hedlin: Acquistion of a Semi-Continental Scale Atmospheric Acoustic Transportable Array. The full proposal was submitted to NSF’s Major Research Instrumentation – Recovery and Reinvestment (MRI-R2) program in August 2009 (total requested budget: ca. $1M, mainly for equipment). – This proposal grew out of A. Muschinski’s March 2007 proposal outline “AtmoScope”. Muschinski helped Vernon and Hedlin (both from Scripps, La Jolla, CA) with the full proposal preparation, but he was not allowed to accept their invitation to be a formal Co-PI because UMass had already exhausted its maximum number of PI’s/Co-PIs for the 2009 MRI competition. The PIs decided to propose the implementation of several hundred barometers, each one consisting of an inexpensive absolute low-frequency barometer and an inexpensive high-frequency differential microbarometer (as opposed to the more expensive and probably less sensitive single-sensor Paroscientific barometers). A. Muschinski had not been involved in that decision. The proposal was awarded in January 2010.

A. Muschinski: Measurement Science in the Intermittent Atmospheric Surface Layer. The full proposal (single PI; 3 years; requested start date: June 2010; requested amount: $562k) was formally submitted to the U.S. Army Research Office on March 16, 2010 and is currently under review.

A. Muschinski: Air seiches and surface-layer turbulence in the Arizona Meteor Crater. To be submitted to the National Science Foundation (single PI; 3 years; requested amount: ca. $400k).

Journal papers:


I am currently working on a number of other journal papers, as described in my tenure dossier and in my recent ARO proposal. I will submit the papers when they are ready for journal submission.

Teaching

Courses:

Since I submitted my tenure application, in the Fall of 2009, I have taught and have been teaching two (for me new) courses:

1. *Atmospheric Sensing, Modeling and Prediction* (ECE 597UU/697UU, Special Topic course)

2. *Signal Theory* (ECE 608, graduate core-curriculum course).

Graduate students:

Currently, I am supporting one PhD student (Kekai Hu) and one MSc student (Shiril Tichkule). I hired Kekai in September 2009, and Shiril joined my group a few months later. Both students are in good academic standing:

**Kekai Hu:**
- Fall 2009: ECE 606 – Electromagnetic Field Theory – Grade: A-
- Fall 2009: ECE 697 – Atmospheric Sensing, Modeling & Prediction – Grade: B+
- Spring 2010: ECE 608 – Signal Theory
- Spring 2010: ECE 665 – Algorithms

**Shiril Tichkule:**
- Fall 2009: ECE 584 – Microwave Engineering 1 – Grade: A
- Fall 2009: ECE 606 – Electromagnetic Field Theory – Grade: B+
- Fall 2009: ECE 697 – Atmospheric Sensing, Modeling & Prediction – Grade: A
- Spring 2010: ECE 608 – Signal Theory
- Spring 2010: ECE 686 – Intro to Radar Systems
- Spring 2010: ECE 607 – Phased Arrays