

A Timeline for Strategic Action
Combining theory and Practice
For Management of Technology

The Education Committee

Introduction

This timeline is based on the fact that management of Technology programs are found in schools of management and business, engineering schools, schools of science, as stand alone entities and now with the emergence of Technology Entrepreneurship and Technology Intrapreneurship as University wide initiatives. We work of a structure provided on the web that includes the needs of schools representing all of these various typologies and separate the various education activities by Teaching, Research and service. We ask all to provide comments and substance to this discussion.

Our Structure

Whether your program is a stand alone program or resident in the management of engineering school there are differing needs and requirements. Our development of this committee could not find the “One right way or home for MOT” and therefore developed a structure that was inclusive of all. Our structure for comment and additions is found as you open our education website and here.

Figure 1:

Viewing Teaching Research and Strategy

Course Program Templates

Here as with the recognition of the differing emphasis on Technology Management from the various residencies of a MOT program a set of core curricula may be difficult to develop.

Here Rias Van Wyk has provided the first effort and awaits your comments.
Please find

“A template for Graduate Programs in the Management of Technology”

Research Efforts

Here Jonathan Linton from the research committee has developed a quantitative method for ranking researchers, and research programs. The education committee is now seeking a way to utilize this information to develop a methods paper for improving school research and therefore ranking. Please see timeline for actions.

We post an abstract here for that paper. Please input any suggestions concerning the methods paper to Jonathan Linton linton@rpi.edu or Steve Walsh at stwalsh@sandia.gov.

Service

Good service is the final portion of the three legged stool that is the foundation of all program excellence. Good **Research** leads to good **Teaching** which in turn leads to good **Service**. Further this is a virtuous cycle because from good service comes excellent research ideas and generates a virtuous cycle.

Since MOT is a relatively young and fast growing field service is an essential element for differentiating new students for jobs in the community. Active service in your local community not only provides exceptional education experiences to your students but also educates the corporate community about the capabilities of your students. This is critical due to the newness in nature of our programs and interest and sometimes confusion of placement of our students.

Service is a form of outreach to the commercial community. It allows the students to work with firms and those firms to understand what our students can do. Management of Technology students come out with among the best analytical tools of any analyst and when tied to an active service requirement they must demonstrate the people skills, teamwork and where appropriate leadership to perform for real world companies. Clinical service programs have excelled in helping students in MOT programs around the world get “Their foot in the door”

Service has led to MOT student Job Creation:

- 1) Recognition of Management of Technology professionals as preferred programs.
- 2) Placing MOT students in many companies in differing corporate settings.
- 3) The inclusion of MOT student on project with national laboratories, World 500, Fortune 500 firms, Intrapreneurship programs, venture firms and startups.

Service has led to MOT professor research development:

Many times service leads to research a number of us have mentioned this perhaps thoughts on how to inculcate this would be important.

Service has led to changes in the classroom

MOT is a rapidly evolving field and one place that the evolution moves fastest is student based projects where the companies may not always know exactly what they need.

Timeline

Our timeline for progress is as follows

