

UNDERGRADUATE EDUCATION COORDINATING COMMITTEE

Presentation made to the
University Materials Council

November 29, 2010

Premise

Staff and volunteers of materials professional societies may assist the efforts of educators in gathering, analyzing and disseminating information of use to the education enterprise

Purpose and Goals

- Support undergraduate education in MSE
- Provide a forum to enable discussion amongst the materials professional societies
- Foster collaboration with UMC in projects of mutual interest and community value

Status

- Inaugural Membership:
 - ACerS (NICE)
 - AIST
 - ASM International
 - MRS
 - TMS
 - UMC (Liaison?)
- Letter of Intent circulating for sign-off

Today's Goals

- Clarify the UECC/UMC Relationship
- Describe current project list
- Explore UMC needs and interests
- Seek UMC buy-in to UECC concept and individual project activities

UECC Project List

- Common web site access
- ABET Information Sharing (Steve Yalisove will conduct this discussion)
- Common Core Curriculum
- Student placement data collection (we will participate in general UMC discussion on survey later in the program)

Common Web Site

- One-stop shopping for information
- Description of UECC including descriptions of members and links to their sites
- Short description about undergraduate education efforts (joint and where desired single organization) with links to sites
- Links to other education sites such as ABET, UMC, UKME, ASME, etc.

Common Core Curriculum

- Initiated by a small group chaired by Mufit Akinc
- Extends work of Kevin Jones (U FL) to characterize common core in MSE
- Data extracted primarily from web sites
- Project on hold as Akinc and others await expressions of interest from UMC

Student Placement Data

- Gather data about job or other placement for graduating students
- Aggregate this data to develop a sense of the job opportunities for MSE BS degree holders
- Share this data with others?
- Do departments wish to do this?
- How much of the task can be transferred to societies?

MS&T 2011 Symposium

16-20 October, 2011, Columbus, OH

- Continuous Improvement of Academic Programs (and Satisfying ABET Along the Way): Elizabeth Judson Memorial Symposium
 - Information on ABET requirements
 - Formal presentations on current practices
 - Workshop to provide feedback on assessment / ABET related activities (can be submitted anonymously)
 - Abstracts due 15 March 2011 (<http://www.matscitech.org/>)
 - Please direct questions / suggestions to Jeff Fergus (jwfergus@eng.auburn.edu) or other organizers

ABET Information Sharing

- Steve Yalisove