TECHNOLOGY DEPARTMENT
Industrial Advisory Board Meeting for Industrial Technology
Thursday, May 2, 2002

Meeting called to order at 1:00 pm in Iroquois Room, SIUC Student Center.

In attendance at the beginning of the meeting were: Jim Akers, Bruce DeRuntz, Wayne Gulley, Chuck Kuhn, Ron Marusarz, Julie McBride, Ron Milligan, Jerry Tillery, and Tomas Velasco. Bruce DeRuntz left the meeting early, and Mandara Savage joined the meeting later.

After introductions by Faculty members and Industrial members, the following items were discussed:

1) *Industrial Advisory Board (IAB)*
    <u>*Committee*</u>
    - Jim Akers was nominated to serve as Chair of the Industrial Advisory Board for Industrial Technology by T. Velasco, J. McBride seconded the motion and J. Akers was elected by unanimous vote.
    - J. McBride was nominated to serve as Co-Chair by Ron Marusarz, T. Velasco seconded the motion and J. McBride was elected by unanimous vote.
    - T. Velasco was nominated to serve as Secretary by J. McBride, R. Marusarz seconded the motion and T. Velasco was elected by unanimous vote.

    <u>*Procedures Established for Choosing IAB members*</u>
    - Nomination of IAB members and approval will be based on qualifications.
    - Recommended qualifications are:
        o 2 years or more of experience in industry-related field.
        o Responsible for management of personnel.
    - The length of the appointment for membership in the IAB is two years renewable.

    <u>*Procedures Established for Setting Meetings*</u>
    - Second week in April will be designated as regular meeting time. Meetings will be set up on Fridays.
    - Chair and the Co-Chair will set the agenda to be discussed in each meeting.
    - Initial agenda for the regular meeting will be communicated by Chair and Co-Chair on or before February 1, requesting input from other members for additional items to be discussed in the meeting.
    - Date for the regular meeting will be communicated by Chair and Co-Chair on or before March 1.
    - April 1 will be the day for the final agenda of the regular meeting to be set and distributed to members.
    - Under special circumstances, Chair and Co-Chair of the Industrial Advisory Board can call additional meetings.

2) *Recruitment*

Faculty members mentioned the latest efforts in the area of recruitment and retention. Ron Milligan suggested making recruiting presentations at industrial sites, and offered making an I.T. recruitment presentation at Boeing, company where he works as an engineer in the area of Mission Control Systems.

A copy of the newly redesigned Industrial Technology brochure was passed around and comments were positive. Non-faculty board members asked to get copies of brochures in the mail whenever they were ready.

3) M.S. Program
Master of Science in Manufacturing Systems' goals were discussed. A future goal of having a Ph.D. Program was also mentioned and everybody agreed in the need of accomplishing this goal for the benefit of the profession.

It was also mentioned that brochures for the M.S. in Manufacturing Systems should be sent out to industrial sites to spark interest and to benefit recruitment efforts for the program.

4) Undergraduate Curriculum
Several undergraduate courses were discussed, and some of the points made were the following:

- *Quality Control (QC)*
    - Shainin Methods should be covered.
    - Jim Akers suggested including games addressing QC, available in the market.
    - Use of projects, setting teams up at the beginning of the course, and maintaining the same teams to the end of the course.
- *Calculus Courses*
    - Interpretation and application should be the focus of these types of courses.
- *Metrology*
    - It was mentioned that the course in Metrology should be part of the core courses in Industrial Technology.
    - It was mentioned as well that different types of measuring systems (i.e. pressure, voltage, etc.) should be included in the course content.
    - Data acquisition systems should be addressed in this type of course.
- A course in *Technical Writing* should be included into the curriculum, and grammar should be graded in every paper produced by the student.
- A course in *Problem Solving Techniques* should also be included in the curriculum.
- An *Introductory course to E.T. and I.T.* should be a short-term goal.

Meeting adjourned at 4:00 p.m.