

**MILWAUKEE SCHOOL OF ENGINEERING
B.S. COMPUTER ENGINEERING
INDUSTRY ADVISORY COMMITTEE
Friday, May 20, 2022**

Attendees

Both in-person in Grohmann Tower 14th Floor Boardroom and online in Teams

Industry Members

Mr. Ryan Barnett, FORT Robotics
Mr. Ross Hanneman, Collins Aerospace
Mr. Joe Izzo, Rockwell Automation (retired)
Mr. Tom Kraus, GE Healthcare
Mr. Mark Krueger, NVIDIA
Mr. Dave Neuman, Milliman HealthIO
Ms. Cynthia Petterson, Milwaukee Tool
Mr. Michael Trader, Rockwell Automation
Mr. Jon Ubert, Sharp Packaging Systems
Mr. Jeff Zingsheim, IAC Chair, Northwestern Mutual

Student Representatives

Ms. Joy Cross '22
Mr. Mitchell Johnstone '24
Mr. Asher Sprigler '25

MSOE Faculty and Staff

Dr. Eric Durant, Professor and Program Director
Dr. Adam Livingston, Assistant Professor
Dr. Russ Meier, Professor
Dr. Darrin Rothe, Associate Professor
Dr. Chris Taylor, Professor & Vice Chair, EECS
Prof. Deborah Varnell, Instructor

Recorded by: Dr. Durant

Meeting called to order at 8:28 a.m.

Note: The committee discussed all items on the agenda, but several informational items are not repeated in these minutes.

Welcome and Introductions

IAC Chair Mr. Zingsheim welcomed the members to this hybrid meeting. He then invited everyone to introduce themselves.

Previous Minutes

Dr. Durant asked the members to review the previous meeting minutes, which are available on the website, and to send him any corrections or additions in the next few days.

Student Statistics

While discussing student numbers, Dr. Durant described the graduate employment survey process. The members said it would be useful to know if there are patterns in alumni living and working in different cities (prominence of remote work) and especially if alumni are remaining in the Midwest while working for companies elsewhere.

Dr. Schilling's Visit

Dr. Schilling, Professor, visited the meeting and briefly summarized cybersecurity activities and planning for the future (conferences, classes, curricula). He shared an online survey regarding these items that he asked the industry members to complete.

General Discussion

Dr. Taylor visited the meeting for the second half and engaged in the discussion regarding students' ability to manage their time with the additional challenges of remote work. He noted that he sees growth in students over their academic careers. Ms. Petterson noted that she sees new employees struggle with time management regardless of whether work is in-person. Mr. Neuman said this is an important skill he looks for in new hires and that MSOE cultivates these skills naturally due to its culture. Mr. Izzo noted the challenges of remote meetings and especially remote teaching, which he continued to do in the functional safety area during COVID restrictions.

Dr. Taylor asked the members how companies deal with pay scales with geographically distributed teams. Ms. Petterson noted her company is working hard to stay competitive in this area and Mr. Neuman concurred.

Mr. Sprigler, noting that there is interest in IEEE and other student organizations he is involved with, asked how industry members feel about hiring interns after their first year of college. The members responded positively with Mr. Neuman and Mr. Zingsheim emphasizing that even first year students have a solid software foundation, and a good number of them prove their potential through student organization leadership and side projects.

Adjournment

The meeting was adjourned at approximately 11:00 AM and most of the members proceeded to the senior design show.