

AVS New England Meeting Notes from Jan. 31, 2018

Held at UMass Lowell, Olney Hall, Room 520

6:00 PM - 7:30 PM

In attendance: Bill Trotter (President), Dick Jacobs (Treasurer), Mike Connors, James Whitten, Bob Childs, Keith Brown (guest, professor from Boston University).

1. Dick gave the treasurer's report. We have a bank balance of \$8,927. This is after writing the last check of \$1,020 to cover expenses of the Teacher Delegate Award and sending Cathie to the Science Educator's Workshop in Tampa Bay, FL during the AVS meeting.

2. We would like to have a dinner meeting possibly in November, 2018. Mike mentioned that it might not be possible to have it at Lincoln Labs, as we have done in the past, due to new security measures. However, he will check on the possibility of holding a dinner meeting. Dick said that MKS is still an alternate location. It was briefly discussed whether the teacher who received the Teacher Delegate Award from the chapter (and trip to AVS national) should be invited to be a co-speaker.

3. Mike presented detailed notes about the attendance/costs of the short courses the last few years. Please see his summary attached. Key points were:

- We barely break even on having students attend when all expenses are taken into account, including the cost of food.
- The University Inn and Conference Center (UICC) adds fees and taxes that add up to an additional 27% of the costs. Mike is looking into cheaper alternatives, possibly at the Marriott.
- Some attendees felt that the course on evaporation (with the past instructor) was less than on-target. It is doubtful we will invite him back as an instructor.
- Mike mentioned that his schedule is busier this year than last year. While he agrees to organize, etc. he will need help from someone else the day of the short course. Bob agreed to help with on-site activities.

4. Keith was asked advice about appealing short courses for next year. He recommended a course related to biointerfaces. This was discussed and search of the web showed that Prof. Dave Castner is an instructor of a course related to surface characterization of biomaterials. It was agreed that this could be a good course to offer. Mike is going to check on Prof. Castner's schedule. Keith also suggested a course related to manufacturing for startup companies. However, no such course seems to exist. Jim suggested one possibly one light-emitting diodes. No such course seems to exist.

5. It was decided to possibly target these short courses. The present target date is mid June. But, this is yet firmly decided.

- Vacuum technology taught by Bob Childs
- Microanalysis taught by Earl Ada

- Surface Characterization taught by Dave Castner
- Atomic Layer Deposition
- Microfabrication
- Semiconductor Technology

6. The next meeting date has not been finalized but it was agreed that AVSNE should meet later in February to further discuss the logistics of the 2018 Short Course Program and results of instructor availability.

Drafted by Jim Whitten: February 1, 2018

Submitted by Bill Trotter