

## **Surveying Engineering Technology Newsletter Fall 2020**

<http://www.umaine.edu/svt>

<https://online.umaine.edu/surveying/>

The SVT faculty is pleased to share with you this information. We try to get the newsletter to more people/e mail addresses including more e mails of surveying degrees prior to SVT. If you know of someone who is not getting this (and should) please tell Ray. Any work or family related information you want in the next newsletter please e mail Ray [ray.hintz@maine.edu](mailto:ray.hintz@maine.edu).

### **Graduates / Fundamental of Survey exam results**

Bachelor of Science in Surveying Engineering Technology

Lei Bao (Guam)

Darin Cozatt, LSIT (OH)

Dual Bachelor of Science degrees in Forestry and Surveying Engineering Technology

Owen Baertlein (RI)

Professional Science Masters in Engineering and Business Surveying Engineering Option

Kevin Benitez, PLS (VA)

### **New Surveying Licenses**

Please e mail Ray when you receive a new license as trying to figure this out online is not easy.

I am worried I am missing a lot of your licenses. I really did not keep good track of this recently and I realize the pandemic prevented many from taking the exam.

Steve Hyde ME and UAS pilot's license

Anthony Mazzarella UAS pilot's license

Tara Mullen ME

Ryan McDowell CO, MN

Robert Telschow PA

### **Passed the Fundamentals of Surveying exam**

Congratulations! Note the pandemic prevented some people from taking the exam so some of these are from spring.

Darin Cozatt, LSIT (OH)

Jonas Collier, LSIT (CO)

Robert Cousins, LSIT (ME)

### **Scholarships**

We decided to list all scholarships in the spring newsletter

If you want to see your named scholarship on this list the University of Maine Foundation is ready to help you set it up!

### **Undergraduate enrollment (including undergrad certificate)**

We have 153 students in BS SVT obviously with the help of the online component (120+). In only its first semester there are 33 students in the undergraduate SVT certificate. We have the largest population of

undergraduate students per faculty in the College of Engineering. We receive great support from Division of Lifelong Learning's undergraduate retention and enrollment specialist Tiffany Peterson and undergrad certificate specialist Rachel Mathieson.

### **Professional Science Masters (PSM) in Surveying Engineering and Graduate Certificate in Surveying Engineering news**

Our enrollment is 24 students in the completely on-line programs. Note that is approximately 20% of the entire graduate school population of the College of Engineering. Knud (from his winter home in Florida) teaches an advanced survey law class. A hydrographic surveying course will be taught this spring by PSM graduate Danny Swain. We now have the largest number of graduate students per faculty in the College of Engineering. We receive great support from Division of Lifelong Learning's director of online student services Dagmar Moravec.

### **Accreditation**

The SVT Program was visited (virtually) this fall for reaccreditation from ABET. The visit was successful and we have no doubt we will receive the maximum 6 years of accreditation. The visitors were extremely impressed by the activity of the Industrial Advisory Committee and the interest our alumni put into the SVT program. Rich Vannozi spent most of the summer preparing the 500+ accreditation document and should be congratulated for his efforts.

### **SVT student chapter**

Of course like everything else in our lives it seems, CoVID impacted the student chapter plans but none the less a number of activities were conducted. Dan Martin, the NGS Northeast regional geodetic advisor met with the students (via Zoom, of course!) to help them plan their GPS on Benchmark activities. The students identified four hexagons in the Bangor area to start work in and spent several mornings out searching for the benchmarks and identifying the best candidates for GPS. Over the semester break they are going to confirm their choices with Dan. When we return to campus in the Spring the students will calibrate the GPS poles and make observations as weather permits. The students also filed the appropriate paperwork with Student Affairs, and met with them so they are a "legal" organization on campus again. Work for the Spring will also include updating our by-laws and filing them with student government and NSPS. Though we still await information from NSPS, the students plan on participating in the national student competition if it is held in 2021. The students plan on holding weekly meetings with a format of 1 planning meeting, 2 working meetings and 1 guest "speaker" every month....so don't be shocked to get an email to come meet with the students, bring pizza and talk to them about surveying! Zoom will continue to be utilized for meetings so that the online students can participate and we can have guest speakers who might not be able to come to Orono.

### **Industrial Advisory Committee**

Congratulations to Charles Hildebrant, PLS of Dover-Foxcroft for volunteering his services and Michael White of Hampden for re-joining IAC. IAC's contributions to the ABET visit were demonstrative.

### **Donations**

1 new Z-Axis 2F dual frequency single-beam echo sounder est. at \$3470 Unaberra Corp.

1 used Reson SeaBat 9001 multi-beam echo sounder est. at \$15000 by Prairie Engrs.

1 new Topcon base station CR-G5/Net-G5 (5+ constellations with L5) estimated at \$50000 and 5 Topnet Live subscriptions at \$2500 each/yr by Topcon

1 Javad TRIUMPH-LS Plus base and rover combination (5 constellations with L5) estimated at \$40000.

We appreciate your support.

### **Online SVT**

Obviously a large influx of students has been due to the online degrees which are combined with an incredible reduction in out of state tuition costs (so-called E tuition which is in-state\*1.25). Veterans, no matter where they live, qualify for in-state tuition along with dependents using a veteran's G.I. Bill. The degrees are

- (1) BS in surveying engineering technology <https://online.umaine.edu/svt/>
- (2) Professional Science Masters in Engineering and Business Surveying Engineering concentration <https://online.umaine.edu/grad/professional-science-masters-in-engineering-and-business/>
- (3) Graduate Certificate in Surveying Engineering <https://online.umaine.edu/surveyingengineeringcert/>
- (4) Undergraduate Certificate in Surveying Engineering Technology – <https://online.umaine.edu/online-undergraduate-certificate-surveying-engineering-technology/>

Many of our students have a previous degree and only need surveying classes. Likewise some students simply need a core of surveying classes. This will be the option for those students.

Please pass the word to all potential students. We want to continue to be the leader in online surveying education in the United States. Your help makes us achieve that goal.

### **Director of the School of Engineering Technology**

Previous director Scott Dunning left the University of Maine in July for Virginia Polytechnic Institute and SVT wishes to thank him for years of great support and wish him success in the future. Scott has been replaced by former Construction Engineering Technology program coordinator Will Manion. Will has been very supportive of SVT and we wish to thank him for that support.

### **“New” class names for SVT majors**

CET 101 Plane Surveying is now SVT 101 Basic Surveying Field and Office Processes.

CET 202 Construction Surveying is now SVT 202 Route and Site Surveying.

CET 332 Civil Engineering Technology is now SVT 332 Civil Engineering for Surveyors.

CET 451 Construction Law is now SVT 451 Surveying Business Law.

These changes reflect that the growth of both SVT and CET forced separate classes for each major.

### **Recognizing SVT graduates as instructors at other institutions**

Did you know the role SVT plays in surveying instruction across the country? I do worry I missed someone.

Craig Bailey (PSM) at New Hampshire Technical Institute

Joe Fenicle (current PSM) at University of Akron

Nicholas Ford (current PSM) at Alfred State

Steve Frank (surveying engr. PhD ) (retired) at New Mexico State University

Gary Jeffress (surveying engr. PhD) (retired) at Texas A&M – Corpus Christi

Rob Liimakka (surv. engr. Masters) at Idaho State

Peter Mensah (surveying engr. PhD) (retired) at Texas A&M – Corpus Christi

Ryan McDowell (grad. surv. engr. cert.) at State Tech College Linn, MO

Brian Naberezny (surv. engr. Masters) at Penn. State Univ.

Mark Powell (PSM) at Ferris University  
Doug Smith (surv. engr. Masters) at Montana State University  
Kurt Wurm (surveying engr. PhD) at New Mexico State University

#### Graduate News

Last night Ray spotted Dan Oakes (BS SVT) in a TV commercial while out surveying so maybe he is headed to creating a surveying reality TV show.

Brent Jones (BS surv. engr.) reports "Shep Sheppard (BS surv. engr.) married my wife's sister (Kathy Moriarty, GM Bangor Water District). She needed a few pins set for a fence and I asked Shep to do it. Both he and Kathy were recently divorced. After meeting for coffee at the Bagel Shop two years ago, they were inseparable.

John Lloyd (BS surv. engr.) writes "Still working at DGT Associates in Worcester, almost 6 years now. Still licensed in 5 states (ME, MA, RI, KY and TN). I also have my FAA sUAS license, got that in 2017. I'm now serving as the NSPS Director from Massachusetts, after a previous 7 years as the Director from Maine."

Mark W Powell, PS (2018 PSM) has accepted a position as Senior Surveyor with Fishbeck in MI. Mark's son Mason Powell has chosen to follow in his father's footsteps and become a Professional Surveyor. Mason has been recently accepted into a Surveying / Engineering program at Ferris University where his dad's BS degree is from.

Christian Stock (dual BS FTY/SVT) reports "In October I passed my PS and on Jan 13th I'm sitting for my Colorado PLS. We'll be posting for seasonal survey techs for the Colorado Bureau of Land Management for the 2021 season within the next month or two on USAJobs."

Chris Yerxa (Surv. engr. grad. cert) reports "I passed the Maine specific exam in November and I'm going for the national portion in February so hopefully I'll have my license then. "

Lee Zimmer (BS surv. engr) writes "I'm now the acting/interim Regional Traffic Engineer for the Poughkeepsie Region for the New York State Department of Transportation. They probably will not make any permanent appointments until the economy gets better, so I am going to be here for a few more years. Or until I chase off the rest of the candidates. I have less than 5 years to go retirement. Time flies."

#### Faculty News

Knud Hermansen retired which means he spends most of his time in the wintry confines of Florida. He will continue to teach in an adjunct role. This semester he taught on-line from Florida SVT 221 Boundary Law, SVT 322 Preparing Effective Property Descriptions, and a new course SVT 451 Surveying Business Law.

Ray Hintz spent the previous academic year managing the ever growing undergraduate and graduate student online populations.

Carlton Brown teaches half of the "large population" live courses and online courses such as SVT 101 Basic Surveying Field and Office Processes and SVT 122 AutoCad for Surveyors II. We are so lucky he did not retire as his contributions are invaluable. He was on the committee that selected the new director of the School of Engineering Technology.

Rich Vannozi teaches the other half of the “large population” live courses and online courses such as SVT 102 Surveying for Civil Engineers and SVT 121 AutoCad for Surveyors. Rich has resurrected the surveying student chapter and includes the online students virtually in the meetings. He built the ABET information which for the first time in our history was not completed by Knud. Rich also spent the summer adding to his “pictures of bounds” collection.

Steve Adam continues to teach SVT 475 Small Business Management which has become one of the most successful CED courses at the University of Maine. It will have 50+ students in it this spring. Note a wide variety of students not in SVT also take the course.

Louis Morin began phased retirement in the fall. His support of the SVT degree has been outstanding and will be missed. The School of Forest Resources will never be the same without Louis.