

OSH&E Advisory Committee

Semi-Annual Meeting Agenda

October 29, 2021

Main Meeting Room [Google Meet Link](#)

<u>Time</u>	<u>Topic</u>
9:00 – 9:15 am	IET Introduction
9:15 am	Breakout Rooms (program sub-meetings): OSH&E Breakout https://meet.google.com/svo-rtgm-rmq
9:15 - 9:30 am	Welcome & Introduction (Mr. Lance Roux)
9:30 - 10:00 am	Old Business
	1. New Full-time Faculty (Ms. Marcia Oursler)
	2. Safety Lab Status and Plan (Mr. Lawrence Mauerman)
	3. OSH&E MS Program (Dr. Lu Yuan)
	New Business
	1. Review of OSH&E PEOs and SOs (by All)
10:20 - 10:30 am	Break
10:30 - 11:30 am	New Business (cont.)
	2. OSH&E Grant Proposal (Dr. Ephraim Massawe)
	3. OSH&E Research Projects (Dr. Priya Dasgupta)
	4. OSH&E Alumni Survey Fall 2021 (Dr. Lu Yuan)
	5. Other and Closing Comments (Mr. Lance Roux)
11:30 – 12:00 pm	Breakout Session Briefings

Notes from Advisory Board Meeting
October 29, 2021

- 1) Introduction by Dr. Saadeh welcoming donors, industrial partners, friends and alumni
 - a) Department highlights
 - b) Words from Dean McCarthy
- 2) Breakout room for Occupational Safety, Health, and Environment
 - a) Moderator: Dr. Lu Yuan
 - b) Welcome and Introduction: Mr. Lance Roux, Safety Pro
 - c) Mr. David West, BCSP, announced BCSP is beginning a trial program to offer online testing via a proctored program online for the SMS (Safety Management Specialist) and CIT (Certified Instructional Trainer) credentials
 - i) Dr. Massawe asked how the exam would be proctored
 - ii) Mr. West stated that proctoring is conducted through On Vue using a webcam.
 - d) Introductions:
 - i) Allen Rovia, Senior Industrial Hygienist at Shell Norco.
 - ii) Brandon Smith, Associate Director of Safety, Health, and Security at GBRIA
 - iii) Brian Huckaby, Genesis Energy
 - iv) Charles Leonard, CIH
 - v) August Kuiper, recently retired
 - vi) David West, Exams Director at BCSP
 - vii) Ephraim Massawe,
 - viii) Karley Cooper, Tangipahoa School System
 - ix) Kelsey Baldree, Proxy for ___ Miller
 - x) Lance Roux, Safety Pro
 - xi) Lawrence Mauerman,
 - xii) Lu Yuan
 - xiii) Marcia Oursler
 - xiv) Priya Dasgupta
 - xv) Tye Legleu, Senior Technical Health and Safety Specialist for Shell at Geismar facility
 - e) Old Business
 - i) New Full-time faculty – Marcia Oursler
 - ii) Safety lab status and plan – Lawrence Mauerman
 - (1) Room 3007: 22x 32ft
 - (2) One area of the room used for equipment storage and another area for research an instruction. Students have been using this room. 10-15 students can use the room at a time.
 - (3) The room has a chemical hood, eyewash, safety shower.
 - (4) Greater BR ASSP members have left their library collections for the library.
 - (5) ASSP student section desk set up. It is a very large desk.
 - (6) The IET department builds a storage building every year for one of the construction classes to donate to a group. We will have a storage building donated to us this semester. This will be used to store various equipment currently housed in the lab.

- (7) This provides a quiet study area for the students. It has come a long way in the last 6 months.
- iii) Masters Program Development
- (1) We hope to know if we will submit full package by September 2022
 - (2) Fall 2023 is the earliest possible we would start
 - (a) The technical side of the program is faster. Past graduates already did a survey on the program that is still valid. We expect that if the program is popular then substantial number of students will come back to the MS program.
 - (b) we need to build up some strategies to market our program,
 - (c) use of computer advanced format , web computation those will be interesting additions to our MS program.
 - (d) different software and their techniques need to be used in the students so they can learn - gas detector, body monitoring, biometrics etc. these should be from the managerial perspective not engineering perspective
 - (e) 6) hands on technology to be introduced more
 - (3) A committee has been meeting every other month regarding the MS program project.
 - (4) Dr. Massawe: will this program utilize ISAT courses?
 - (a) Dr. Yuan's Response: we're not sure. The thought process in utilizing ISAT courses rose from the idea that the MS program would be beginning earlier with us being anxious to have courses in front of the students.
 - (5) Dr. Dasgupta: Is there any way to inquire insight on what focus students would prefer? More technical or management?
 - (a) Dr. Yuan's response: there is a definite interest in the program
 - (6) Tye Legleu: is it possible to ask David West for BCSP stats regarding how many people are looking for MS programs in industry?
 - (a) David West: we would be open to providing statistics. We need more direction on information requested.
 - (b) Dr. Yuan: Once we have the MS program in place, we can look at marketing on a larger scale with BCSP.
- f) New Business
- i) Review of OSH&E PEOs (Program Education Objectives) and SOs (Student Outcomes).
 - (1) Reaccreditation will occur during the 2022-2023 academic year for ABET
 - (2) PEOs:
 - (a) We currently have four PEOs.
 - (b) 1st PEO: apply knowledge and principles of mathematics, science, technology, and management in industry, business, or other related areas of employment as occupational safety, health, and environment professionals.
 - (i) Dr. Massawe: we should add "computer skills" here.
 - (ii) Dr. Yuan: you could argue "computer" could fall under "technology"
 - (iii) Tye: add "learning emerging technologies, for example, gas detection, body monitoring systems, etc."

- (iv) Dr. Yuan: remember these are long term. This may be addressed in PEO #4
- (v) Chris Kuiper: we want to leave this really broad. We can make course objectives more specific.
- (vi) Dr. Yuan: How do we feel about "engineering" in the objectives? Keep it out or put it in?
- (vii) Chris: Kuiper: there is value in understanding the engineering. They should have a basic understanding of engineering principles
- (c) 2nd PEO: apply practical-oriented knowledge and skills in safety, health, and environment to anticipate, identify, and evaluate hazardous conditions and practices to develop hazard control designs, methods, and procedures and programs and to implement and manage effective safety and health programs.
 - (i) Tye: it's broad. Process safety is more focused by chemical engineers and personal safety by OSH professionals.
 - (ii) Dr. Yuan: yes, process safety is included as an objective
 - (iii) Dr. Massawe: add "review," regarding "Plan, do check, act" tie in continual improvement
 - (iv) Chris Kuiper: this would fall under "manage"
- (d) 3rd PEO: Become efficient communicators and ethical facilitators within the practice of safety, health, and environment.
 - (i) Dr. Yuan: There will be more coming in the future from ABET regarding DEI (diversity, equality, and inclusion)
 - (ii) Tye: I like the third objective. I've seen conflicts where safety specialists are called into discussions. Safety professionals are called on for guidance regarding "the right thing to do"
 - (iii) Dr. Yuan: is DEI being address in your business/experience?
 - (iv) David West: communication is very important
 - (v) Dr. Massawe: Ethics is very important. Students want to raise international issues. Add something addressing cultural, moral, sensitivity
 - (vi) Dr. Yuan: ethical behavior would include that but we can change the wording
 - (vii) David West: all eight of our exams at BCSP have some degree of content regarding ethics on the exam blueprint
- (e) 4th PEO: continue professional development to address the need of applying principles of safety, health, and environment within a constantly changing and increasingly diverse environment
 - (i) Dr. Yuan: thoughts?
 - (ii) Tye: continuing professional development. There are a lot of people in the workforce in the field who are not pursuing degrees but want to maintain professional certifications and credentials. It would be interesting to see SELU offer continuing education offerings

- (iii) Dr. Yuan: we have discussed this idea. Our focus is on the students receiving academic degrees. We have safety councils nearby offering workshops for this.
 - (iv) Lawrence Mauerman: we've seen success when Glen Young helped with systems safety courses and offered optional certifications. Maybe we could discuss this with a committee to discuss needs.
 - (v) Brandon Smith: I agree this digresses from the academic program. The SELU name would add a special element to a certificate received though. This could be a great way to connect the name of the school, BS, and potential MS program. I would be glad to sit. On any committee regarding this.
 - (vi) Lance Roux: There are funds through the Susan Harwood program. I could put together some kind of program for this.
 - (vii) Tye: Good point. Not only a way to continue the relationship with the graduates after graduation but also attract people not familiar with the school or program to connect with. Could possibly attract graduates from other schools in the area offering some sort of safety program like Nichols.
- (f) Dr. Yuan: any new areas or anything to address? Any new trends?
- (3) Student Outcomes (SOs)
- (a) Lawrence Mauerman: it is crucial to ensure students are trained here to use relevant equipment instead of old equipment that is being phased out. Perhaps our industrial sponsors could donate new relevant equipment? This could be beneficial.
 - (i) Dr. Yuan: Dr. Massawe, please talk about the IH lab
 - (ii) Dr. Massawe: we have heat stress monitors, ventilation equipment, equipment to test masks. We are currently are working on a grant to further improve lab to allow the IH lab. To compete with any other lab. In the country.
 - (b) Tye: Regarding outcomes 3 & 4, both of these outcomes say that the university is encourage the outcome. What is the university actually doing to ensure the outcome is achieved? Providing a certification, exam prep course?
 - (i) Dr. Yuan: all graduates receive the GSP (Graduate Safety Professional) credential from BCSP and ASHM (Associate Safety and Health Manager) from IHMM (Institute of Hazardous Materials Management). We cannot require everyone to join ASSP because it is not associated with SELU>
 - (ii) Tye: I get that. What do we have to continue the BS, MS, etc. degree with the graduate and the program? How do we maintain connections with the school post-graduation?
 - (iii) Dr. Yuan: this goes back to the earlier point regarding CEUs
 - (iv) Lawrence Mauerman: maybe we could offer short term weekend classes or something to give points for CEUs.

(v) Chris Kuiper: what we have – this is what we're discussing in the outcomes is what is coming out of our classes

(vi) Dr. Yuan: yes

(4) Grant Activity

(a) Dr. Massawe:

(i) I received funding (\$10,000) from the AIST to educate students to appreciate the steel industry. We will rank hazards and develop a tool. We will visit a facility in Alabama and interview employees. Students will review data and try to come up with a comprehensive ranking system. Students will present at AIST conference in Florida. So far, Marcia Oursler, Priya Dasgupta, and Lu Yuan are assisting.

(ii) I am planning to submit a grant to NIEHS. I expect students to participate once funding is secured.

(b) Dr. Dasgupta:

(i) I have three research proposals.

1. The first proposal relates to air concentration of asbestos in the air which has correlations with COVID and lung cancer. Which are high in LA.
2. The second proposal is a continuation of a NASA grant from last year regarding disc degeneration with astronauts
3. The third proposal involves mathematical modeling, and probability of disc degeneration with various inputs – poor posture, sitting at a desk for 4-5 hours, with exercise, no exercise, etc.

(5) Dr. Yuan: we are getting ready to submit alumni survey and employer survey

(6) Lance Roux: thank you for speaking everyone

3) Back to main meeting room:

a) Dr. Saadeh: career fair is coming up. Tech connect is coming up in the spring. Hopefully it will be in person this year. Please complete the surveys.

b) 45 responses on initial call

c) 17-19 participants in each breakout session.