



Occupational Safety, Health, and Environment (OSH&E) Program
Department of Computer Science and Industrial Technology
Southeastern Louisiana University
SLU 10847
Hammond, LA 70402

December 8, 2014

Dear OSH&E Advisory Committee Member,

On behalf of Southeastern Occupational Safety, Health, and Environment (OSH&E) Program, we would like to give our sincere appreciation to you for your involvement in the OSH&E Advisory Committee as well as your participation in the meetings and discussion.

Enclosed please find the report of the OSH&E Advisory Committee meeting that was held on October 31, 2014. Please feel free to let us know should you have any questions and comments!

It is a great honor and pleasure to invite you to our next semi-annual meeting, which is tentatively scheduled in April 2015. A formal invitation will be sent to you when the meeting date and venue are confirmed.

Thank you very much for your continued contribution to the program!

Sincerely,

Dr. Lu Yuan
Associate Professor &
Coordinator

Ms. Dorinda Folse
OSH&E AC Chairperson

Mr. Lance Roux
OSH&E AC Co-Chairperson

**OSH&E Advisory Committee
October 31, 2014 Meeting Report by
Ms. Denise Sovek, Dr. Ephraim Massawe, and Dr. Sebastian van Delden**

The last Occupational Safety, Health, and Environment (OSH&E) Advisory Committee meeting was held from 9:30 AM to 1:00 PM on October 31, 2014 at the New Student Union Ballroom in Hammond. (Please see the attached sample photos!) This meeting was part of the CSIT Department Advisory Committee Annual Meeting. The attendees include seven of the twenty OSH&E Advisory Committee members (**Appendix A** with update-to-date contact information). Dr. Ephraim Massawe and Mrs. Amanda Brown, the two full-time faculty members of the OSH&E program, were co-hosts of the meeting. Dr. Lu Yuan, the OSH&E Coordinator, was not able to attend the meeting due to the participation in the 2014 International Annual Meeting of the Human Factors and Ergonomics Society in Chicago. Mr. Lawrence Mauerman, the former OSH&E coordinator, attended the meeting. One OSH&E student, Denise Sovek, was present. Special guests included: Jerome Mabile, Jody Hammett, Eric Miller, and Brooke Wells. Absent were Steve Pereira, Richard Matherne, Wayne LaCombe, James Kerr, Beth Inbau, Dawn Bahm, Lance Roux, Alan Rovira, Buddy Mincey Jr., Mike Page, Paul Higdon, Donny Latiolais, and Andy Kovacs.

Appendix B lists the agenda of the overall meeting. The meeting was called to order by Sebastian van Delden at 9:40 am. Approximately 100 people participated in the event. Dr. van Delden introduced Dean Dan McCarthy who welcomed the group of advisory board members. In his remarks, Dr. McCarthy mentioned the successful ABET accreditation visit for the Engineering Technology program that occurred two weeks prior to this meeting. Dr. van Delden then introduced David Richard, Advisory Board President, who made a 15 minute presentation which included various updates in each academic program as well as an update on the new departmental building which will break ground in April 2015. Mr. Richard concluded the event by making a motion to adopt a four member Executive Leadership Board to replace the historical single-President model. The motion was seconded and passed unanimously without any discussion.

At that time the committee broke out into groups by degrees.

The agenda for the OSH&E Advisory Committee meeting is attached in **Appendix C**. Ms. Dorinda Folsie welcomed the committee members. Next, members introduced themselves and described the best and worst characteristics of their jobs.

OLD BUSINESS

The first item was the Fall 2014 Advisory Committee Questionnaire, which was administered via Survey Monkey at <https://www.surveymonkey.com/r/3TWM63Y>. Nine members responded as of Oct.31, 2014. Preliminary results suggested the need for students to improve in their:

- Practice-oriented knowledge and skills, multi-disciplinary teamwork ability, and communication skills;
- Ability to develop control designs, methods, procedures, and programs to eliminate or mitigate safety, health, and environmental hazards;

- Ability to conduct accident/incident investigation and analysis;
- Ability to effectively express thoughts in oral and written communications; and,
- Ability to effectively function as a part of multi-disciplinary team.

Preliminary results also show that the OSH&E program needs to improve their budget and financial resources and to improve support for faculty professional development. Dr. Massawe requested that the members complete the questionnaire at their earliest convenience so that the committee can have more accurate data to work with. One of the members voiced the concern regarding the applicability of some of the questions that were asked.

Next, Dr. Massawe told the meeting attendees that the OSH&E Past, Present, and Future round table discussion (sponsored by ISC Constructors, LLC) was held on Wednesday Oct.22 from 12 pm to 2 pm in the new Student Union Ballroom A. This event was conducted to celebrate the 10th anniversary of the OSH&E Bachelor of Science degree program at Southeastern and the 15th anniversary of the ASSE Southeastern Student Section. A total of 20 people including 7 OSH&E graduates, 7 current students, 3 special guests, and 3 OSH&E faculty members, attended the meeting. The attendees shared some great memories and discussed some important issues regarding the OSH&E program as well as the ASSE Student Section. Important things discussed and learned include:

- The OSH&E program and the students need to reach out to local industry/business.
- The OSH&E graduates need to come back and provide help and support.
- The students need to practice through informal or mock interviews.
- The program could develop an exit exam to see how students perform before graduation.
- The OSH&E students should apply for every scholarship/assistantship/internship, etc.
- There should be a discussion on OSH&E-related career path for new or prospective students.
- Class offerings should be more flexible.
- The OSH&E program should reach out to the Biology Department, especially its Environmental Program.
- More IH-related classes should be developed.
- An OSH&E Alumni Chapter within the Southeastern Alumni Association was initiated.

An OSH&E Past, Present, and Future Roundtable Discussion Questionnaire was administered prior to the meeting via Survey Monkey at <https://www.surveymonkey.com/r/X77XG7R>. Five people including 4 graduates and 1 freshman completed the questionnaire. Important results are as follows:

- The OSH&E program relatively helped the students the least in developing the ability to utilize basic laboratory instrumentations associated with safety, health, and environment; and the ability to effectively function as a part of multi-disciplinary team.
- The OSHE major courses that received relatively lower ranking in terms of importance include: OSHE 111 *Introduction to Occupational Safety, Health, and Environment* and OSHE 242 Ergonomics.
- THE OSHE professional electives that received relatively lower ranking in terms of importance include: IT 322 *Materials Science and Metallurgy* and ACCT 200 *Introduction to Financial Accounting*.

Mrs. Brown presented on concerns from the last ABET evaluation that took place in the Fall of 2010. Specific actions have been implemented to address each of the three concerns as follows:

- **Concern #1:** Criterion 4 - Continuous Improvement: Assessment loop not closed yet;
Actions: At least two (three-year, then changed to two year) cycles of OSH&E program outcome assessments have been completed, and results have been used for action plans to ensure continuous improvement.
- **Concern #2:** Criterion 6 - Faculty: Lack of relevant certifications;
Actions: Dr. Yuan earned his CSP in December 2013. Dr. Massawe plans to take the CSP exam in 2014. Mrs. Brown plans to pursue her certification soon.
- **Concern #3:** Criterion 7 - Facilities: Lack of safety-related instrumentation and/or equipment;
Actions: **\$7,000** of safety/ergonomics/IH equipment from the Dean's office in the end of 2010 following the ABET site visit; **\$5,000** of safety instruments and equipment through Student Technology Fee Small Project Grant in Spring 2013; and, **\$25,000** of safety/IH instruments and equipment through AADE New Orleans Chapter in Fall 2014.

NEW BUSINESS

Dr. Massawe presented on the need for the department to have additional equipment for the classrooms. He presented his list of items (**Appendix D**) that he felt would be beneficial for the program and would be purchased through the \$25,000 grant from the AADE New Orleans Chapter. Dr. Massawe also asked for donations and help in procuring the needed items. As of Dec.15, 2014, the safety/IH instruments and equipment listed by Dr. Massawe have all been purchased and are in a process of being shipped to the OSH&E program.

Mrs. Brown spoke on the addition of new OSHE professional electives that will be offered in Spring 2015.

- **OSHE 423 Insurance - Workers' Compensation, Loss Control and Risk Management**
 - **Day/Time:** Wed 6:30 pm to 9:20 pm
 - **Venue:** Livingston Parish Literacy and Technology Center
 - **Instructor:** Mr. Andy Kovacs, MBA, CWCP
- **OSHE 442 Principles of Radiation Safety**
 - **Day/Time:** Mon/Wed 2:00 pm to 3:15 pm
 - **Venue:** Anzalone Hall 214
 - **Instructor:** Mr. Lawrence Mauerman
- **OSHE 451 Hazardous Materials Management**
 - **Day/Time:** Mon 6:30 pm to 9:20 pm
 - **Venue:** Anzalone Hall 214
 - **Instructor:** Mr. Lawrence Mauerman

There was a discussion regarding the possibility of offering a master's degree in the program. The members and faculty discussed the pros and cons and the reality of adding this degree.

The next advisory committee meeting will be held in April 2015. The committee is considering a joint meeting with the National Safety Council South Louisiana Chapter Advisory Board. As of Dec.15, 2014, after discussing the logistics of the meeting with Ms. Beth Inbau, we are instead

considering the possibility of just holding the next advisory committee meeting at the National Safety Council South Louisiana Chapter's office in Metairie. A survey regarding the meeting date, time, and location will be sent out to the advisory committee members in early 2015.

Meeting was adjourned at noon. Members and guests returned to the main room for lunch and more networking.





Appendix A

OSH&E Advisory Committee

Members

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* - Mr. Mauerman retired after Spring 2012.



ADVISORY BOARD MEETING - OCTOBER 31, 2014

Department of Computer Science and Industrial Technology

PROGRAM SCHEDULE:

- 9am-930am Coffee Social/Networking, New Student Union, Large Ballroom (3rd Floor)
- 930am-10am Opening Remarks:
- Dan McCarthy, Sebastian van Delden
Southeastern
 - David Richard, Advisory Board President
York Risk Services
 - o Motion to move to a four person *Executive Leadership Board*:
 - Sean Goodgion, CGB (Computer Science, Information Technology)
 - Joe Gelpi, Oceaneering (Engineering Technology)
 - Jerome Mabile, Performance Contractors (Industrial Technology)
 - Lance Roux, SafetyPro Resources (OSHE)
- 10am-12pm Break out sessions
- In Large Ballroom and adjacent ballrooms
- 12pm-1pm Lunch
- In the Large Ballroom

LOCATION:

New War Memorial Student Union, 3rd floor
Bldg. # 29 on http://www.southeastern.edu/map/assets/campus_map.pdf

**SINCERE THANKS TO CGB FOR SPONSORING
THE FALL 2014 ADVISORY BOARD MEETING.**



Appendix C
OSH&E Advisory Committee

Semi-Annual Meeting Agenda
October 31, 2014

<u>Time</u>	<u>Issues</u>	<u>Actions</u>
10:00 - 10:15 am	Welcome & Introduction (By Ms. Dorinda Folse)	
10:15 - 11:15 am	Old Business	
	1. Advisory Committee Questionnaire (By Dr. Ephraim Massawe and Dr. Lu Yuan)	
	2. OSH&E Roundtable Discussion (By Dr. Ephraim Massawe and Dr. Lu Yuan)	
	3. Concerns from the last ABET Evaluation (By Mrs. Amanda Brown)	
11:15 - 12:00 pm	New Business	
	1. Equipment Acquisition (By Dr. Ephraim Massawe)	
	2. OSHE New Course Offerings (By Mrs. Amanda Brown)	
	3. Others	
12:00 pm	Luncheon	

Equipment/Instrument for Industrial Hygiene Field Evaluations and Instructions

Requested by Dr. Ephraim Massawe, October 8th, 2014

	Item	Qty	Price/unit	Total Price
Primary Calibration Equipment	Bios Defender Model 510L Prmy Calibrator, 100-240V 5-500 ml/min	4	\$1,375.00 @	\$5500
	http://www.skshopping.com/ProductDetails.asp?ProductCode=717-510L			
	Soap Film Flowmeters • 5 – 500 mL	4	\$340.00 @	\$1360
	http://www.skshopping.com/ProductDetails.asp?ProductCode=303-			
	Soap Film Flowmeters 300 – 3000 mL	4	\$526	\$2104
http://www.skshopping.com/ProductDetails.asp?ProductCode=311-1000				
Field (Secondary) Calibration Equipment	Secondary Calibration Standards Rotameter, 0.05-0.5 L/min	4	\$75	\$300
	http://www.skshopping.com/ProductDetails.asp?ProductCode=320-2A05			
	Secondary Calibration Standards Rotameter, 0.1-1 L/min	4	\$119	\$476
	http://www.skshopping.com/ProductDetails.asp?ProductCode=320-4A1			
	Secondary Calibration Standards Rotameter, 0.4-5 L/min	4	\$99	\$396
	http://www.skshopping.com/ProductDetails.asp?ProductCode=320-4A5			
Noise Meters	SoundPro SE Sound Level Meter and 1/1 Real Time Freq. Analyzer, Type 2	4	\$3,159	\$12,636
	http://www.skshopping.com/ProductDetails.asp?ProductCode=755-SPSE211			
Ventilation	6036 Hot-wire Anemometer includes telescopic and articulating probe with 79-inch cable, USB cable, PC software (Windows 7 compatible), AC adapter (100-240 V), six AA-size batteries, carry case,	4	\$980.00	\$3,920

	and NIST certificate			
	http://www.skshopping.com/ProductDetails.asp?ProductCode=745-6036			
Heat Stress Monitors	QUESTemp° 44 Heat Stress Monitor, Alkaline, Datalogging (Wet Bulb and Globe Temperature - WBGT)	4	\$2,867.00	\$11,468
	http://www.skshopping.com/ProductDetails.asp?ProductCode=755-QT44			
Lux (Light) Monitors	Pocket Light Meter* , includes meter, 9-volt alkaline battery, remote light sensor with 47-inch (1.2-meter) cable, and built-in stand - with NIST calibration certificate	4	\$100	\$400
	http://www.skshopping.com/ProductDetails.asp?ProductCode=753-001			
	EasyView Light Meter* , includes meter, 6 AAA alkaline batteries, sensor with 39-inch (1-meter) coiled cable and protective cover, built-in stand, holster, and carry case	4	\$150	\$600
	http://www.skshopping.com/ProductDetails.asp?ProductCode=753-002			
	Heavy-duty Light Meter* , includes meter, 9-volt alkaline battery, sensor with 46-inch (1.17 meter) cable and protective cover, and protective rubber holster with stand	4	\$200	\$800
http://www.skshopping.com/ProductDetails.asp?ProductCode=753-003				
Gas Monitors	Sorbent Tube, Tenax TA, (1 Each)	4	\$149	\$596
	http://www.skshopping.com/ProductDetails.asp?ProductCode=226-134			
	Sorbent Tube, Anasorb 747 /Tenax TA, (1 Each)	4	\$130	\$520
	http://www.skshopping.com/ProductDetails.asp?ProductCode=226-171			
	Thermal desorption tubes (various)	20	\$75	\$1,500
	X-am 5000 Personal Multi-gas Detector/Datalogger - Detection Instrument for up to 5 Gases	4	\$1,114	\$4,456
	http://www.skshopping.com/ProductDetails.asp?ProductCode=805-43748			
Calibration gases for above instrument X-am 5000 (various)	5 cylinders	\$200	\$1,000	

	http://www.skcsopping.com/SearchResults.asp?Cat=79			
Training CD, "IH Virtual Laboratory", Interactive Software,	Single User	1	\$349	\$349
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=878-25			
	Unlimited Users	1	\$1,699	\$2,149
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=878-25E			
Particulate Matter (Aerosol Sampling)	With impactor , contains two 37-mm heat-treated quartz filters (limited shelf-life), tamper-evident sealed, single use, meets NIOSH 5040 specifications, average sample deposition area is 8.04 cm ² - Preloaded Cassette, DPM, For NIOSH 5040, (10/Pkg)	2 i.e. (20/2 packets)	\$459	\$918
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-317			
	Button Sampler, 25mm - inhalables	4	\$249	
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-360			
	Cyclone, GS-1, Plastic, Conductive, 10mm (respirables)	4	\$80	\$320
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-105			
	25-mm Respirable Dust Aluminum Cyclone, with grit pot - (respirables)	4	\$80	\$320
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-01-01			
	Impactor, IMPACT Sampler, For PM ₁₀ Sampling At 10 L/min	4	\$630	\$2,520
	http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-390			
Impactor, IMPACT Sampler, For PM _{2.5} Sampling At 10 L/Min	4	\$630	\$2,520	
http://www.skcsopping.com/ProductDetails.asp?ProductCode=225-392				

Thank you.

Dr. Massawe. 10/8/2014