

## American Society of Mechanical Engineers Safety Engineering and Risk Analysis Division

### Executive Committee Meeting June 24, 2016

<b>Executive Committee 2015-2016</b>		
<p><b>John Wiechel</b> <b>Chair</b> Research Scientist The Ohio State University 7349 Worthington- Galena Rd Columbus, OH 43085 T: 614-888-4160 F: 614-888-3326 E: <a href="mailto:wiechel.4@osu.edu">wiechel.4@osu.edu</a></p>	<p><b>Chimba Mkandawire</b> <b>1<sup>st</sup> Vice Chair</b> Principal Engineer Exponent, Inc. 3350 Peachtree Road NE Suite 1125 Atlanta, GA 30326 T: 678-412-4812 F: 678-412-4899 E: <a href="mailto:cmkandawire@exponent.com">cmkandawire@exponent.com</a></p>	<p><b>Juan C Ramirez</b> <b>2<sup>nd</sup> Vice Chair,</b> Managing Engineer Exponent, Inc. 4580 Weaver Parkway Suite 100 Warrenville, IL 60555 T: 630-658-7520 F: 847-922-7840 E: <a href="mailto:jramirez@exponent.com">jramirez@exponent.com</a></p>
<p><b>Jennifer S Cooper</b> <b>3<sup>rd</sup> Vice Chair, Treasurer</b> Project Engineer RCP Inc. 801 Louisiana St., #200 Houston, TX 77002 T: 936-499-1737 F: 713-655-8083 E: <a href="mailto:jcooper@rcp.com">jcooper@rcp.com</a></p>	<p><b>Bin Zhou</b> <b>4<sup>th</sup> Vice Chair, Secretary</b> Senior Lead Scientist FM Global 1151 Boston-Providence Turnpike Norwood, MA 02062 T: 781-255-4719 F: 781-255-4024 E: <a href="mailto:bin.zhou@fmglobal.com">bin.zhou@fmglobal.com</a></p>	

**Attendees:**

- Executive Committee: John Wiechel, Chimba Mkandawire, Jennifer Cooper, Bin Zhou, Jeremy Gernand;
- Advisors (Past EC members):
- IMECE2016 Committee Chairs: Mohammad Pourgol-Mohammad

**1. Call to Order** 10:09 AM EST

**2. Review/Adoption of Minutes from last EC Meeting:**

- a. Bin is to upload the approved 5/24 minutes onto SERAD community page. (Done)

**3. SERAD Finances (Jennifer):**

- a. Nothing changed from May.

**4. 2017 Annual Plan**

- a. Needs to be filed by next week. The topic is the budget for FY2017
- b. 25% of SERAD total balance or **\$10,000** whichever is greater:

- i. Student design challenge \$3500
  - ii. Awards \$ 400
  - iii. Annual dinner \$1000
  - iv. Interaction with other divisions (ICONE chair expense), \$3000
  - v. Training and Plenary support (Spring and Fall) \$1500
  - vi. IMECE EC meeting expense \$600
- Total: \$10,000

**5. IMECE 2016 Update (Jeremy & Mohammad):**

- a. Deadline is 7/5 to submit the revised paper.
- b. Total number of abstracts is 48, including 40 papers.
  - i. Out of 40 draft papers, 37 were reviewed with 1 rejection, 3 are currently under review.
- c. Topics with a few papers will be combined into Sessions. We will keep normally 4~5 papers per session. We cannot do the merging/reorganization of topics yet.
- d. Plenary talk (officially takes two papers' time slots):
  - i. Prof. Dennis Guenther, Faculty Emeritus, Mechanical & Aerospace Engineering from OSU Center for Automotive Research will be SERAD plenary speaker this year. He has great experience and knowledge focused on product safety and reliability.
  - ii. No plenary talk will be scheduled by Management Division.
- e. We will still separate the reception dinner from the conference for this year's IMECE. Jennifer is arranging the dinner for us in Phoenix, AZ. Stacy would be the ASME contact.

**6. Student Safety Innovation Challenge (Juan/Jennifer):**

- a. *The total budget of \$3500 this year include: award of \$500 each for one graduate winner and one undergraduate winner, \$500 each for their respective advisor, and \$750 each for the two winners' travel expense.*
- b. We have 8 submissions to the 2016 SERAD student competition, 5 undergraduate and 3 graduate level papers. Current picks are:
  - i. Undergraduate: Carlie Mantel et.al., Gonzaga University  
"NIOSH Zaghouse: Microscopic Particle Filtration System",  
Advisor: Dr. Miller
  - ii. Graduate: Farzin Salehpour, Sahand University of Technology,  
"An efficient sensor network design for improving fault diagnosis process",  
Advisor: Dr. Mohammad Pourgol-Mohammad

**7. SERAD Journal JRUES (Chimba):**

- a. Two issues in 2016. First issue has 5 IMECE SERAD publications from the 2013 (2) and 2014 (3) conferences. Second issue has 5 IMECE SERAD publications from the

2013 (2) and 2014 (3) conferences. There are 5 more IMECE SERAD publications from 2013 and 2014 conferences that will appear in future issues.

- b. 2015: Out of 24 papers submitted in 2015 where Chimba was a Guest Editor; 10 have been accepted for production, 8 have been rejected, 4 are under revision, 2 are under review where 1 reviewer has not been assigned or completed their review.

2016: Jeremy and Mohammad are currently guest editors for the journal. Out of 7 papers submitted in 2016 that Chimba is an Associate Editor; 1 has been rejected, 1 has been accepted for production, 4 need reviewers, 3 have had 1 has a single review completed

Jeremy has 5 papers (2 reviews completed, looking for alternative reviewers.) and Mohammad has 4 papers (All reviews completed. 3 revisions. 1 rejected.).

## **8. SERAD Cooperation with Other ASME Organizations**

- a. **ICONE24** SERAD is involved in the two tracks below:
  - i. Track 7: Safety, Security, and Cyber Security: 15 final papers. Total 4 sessions, Mohammad chairs 2 sessions.
  - ii. Track 14: Risk Management, 24 final papers. Total 7 sessions, Mohammad chairs 2 sessions.
- b. Christine Riley: ASME may form a new Bioengineering/Biomedical segment under TEC with identified 5 technologies. ASME may also allow IGTI to be its own segment separate from ECS (which ICONE also belongs to).

## **9. Other SERAD Business**

- a. ASME leadership update (Chimba is to submit next week):
  - i. Division Chair and Treasurer have access to financial reports. Chimba and Bin need to have access to financials.
  - ii. Two Group Leadership Team volunteers have access to Online Roster and List Serve (Jeremy now needs to have access). Typically, these would be the Secretary and one other vice chair.
  - iii. Group Page admin have access to group's ASME.org group page. (Jeremy now needs to have access.)
  - iv. Annual financial plan is submitted by Chair and agreed-upon by all EC members.
- b. Installation of new officers:

Prof. Jeremy Gernand was elected to be the 4<sup>th</sup> chair (Secretary), starting July 1<sup>st</sup>.

John will retire from the Chair position. Chimba will become the new Chair. Other existing vice chairs move up one level.

**10. Next EC Meeting:** Next EC meeting will be on July 26th, at 10AM EST.

**11. Adjourn** around 11:25 AM EST

**2015-2016 SERAD Committee Points of Contact**

**2016 IMECE Technical Program Committee**

Co-Chairs: Jeremy Gernand, [jmg64@psu.edu](mailto:jmg64@psu.edu)

Mohammad Pourgolmohammad, [mpourgol@gmail.com](mailto:mpourgol@gmail.com)

**2016 SERAD Student Design Challenge (Safety Innovation)**

Chair: Juan Ramirez, [jramirez@exponent.com](mailto:jramirez@exponent.com)

**SERAD Young Professionals Interface**

Chair: Jennifer Cooper, [jcooper@rcp.com](mailto:jcooper@rcp.com)

**ACRONYMS**

ASME – American Society of Mechanical Engineers, CDOT – Committee on Division Operations & Training, CoAF – Committee on Administration & Finance , CoD – Congress of Divisions, DAP – Division Annual Plan, DASAR – Division Annual Self-Assessment Report, EC – Executive Committee, ETMG – Engineering Technology & Management Group, IMECE – International Mechanical Engineering Congress & Exposition, K&C – Knowledge & Community Sector, LTC – Leadership Training Conference, SERAD – Safety Engineering and Risk Analysis Division, SPC – Strategic Planning Committee, SVP – Senior Vice President, TCOB – Technical Communities Operating Board