SEMS STUDENT INITIATIVES CAMPAIGN KICKOFF

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Champion, Student Initiatives Committee
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January 31st, 2012
AGENDA

- **Background**
  - What is SEMS?
  - Current SEMS Student Membership
  - Desire for Student-Focused Initiatives

- **SEMS Student Initiatives**
  - Committee
  - Five Thrusts
    - Career Advice & Networking
    - Academia
    - Practice & Applications
    - Recognition
    - Membership

- **Get Involved!**
  - Discussion
    - Thoughts about planned activities
    - Thoughts about additional activities
  - Contact Information
WHAT IS SEMS?

- SEMS is a Society within IIE – societies and divisions provide IIE members additional value due to being part of a group with a common interest.
- SEMS helps managers at every level continually improve productivity and quality through effective and economical managerial techniques and philosophies.
- Current President: Geert Letens, Ph.D., Royal Military Academy, Belgium, President 2011-2012
EXAMPLES OF SEMS SIGNATURE PUBLICATIONS AND EVENTS

- **Industrial Management** is the official bi-monthly publication of SEMS. It serves those who are in management or expect to be soon.
  - Regular feature of *SEMS Says* – contributions by SEMS leaders and/or previews of the IIE Annual Conference

- **Engineering Management Track** at ISERC and Applied Solutions Conference
### SEMS Membership Trends

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Members</th>
<th>Professional-Industry</th>
<th>Professional-Academic</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>1106</td>
<td>Not avail.</td>
<td>Not avail.</td>
<td>52</td>
</tr>
<tr>
<td>2006</td>
<td>1351</td>
<td>841</td>
<td>109</td>
<td>400</td>
</tr>
<tr>
<td>2008</td>
<td>1400</td>
<td>800</td>
<td>150</td>
<td>450</td>
</tr>
<tr>
<td>2009</td>
<td>1299</td>
<td>497</td>
<td>311</td>
<td>491</td>
</tr>
<tr>
<td>2010</td>
<td>1199</td>
<td>466</td>
<td>262</td>
<td>471</td>
</tr>
<tr>
<td>2011</td>
<td>1196</td>
<td>451</td>
<td>252</td>
<td>493</td>
</tr>
</tbody>
</table>

- IIE has set a goal for SEMS of a net increase of 108 members for 2011-2.
- To examine membership needs so that we can increase membership and member value-added, we administered a SEMS Member Survey.
### SEMS MEMBER SURVEY

**FINDINGS**

6. Which of the following statements most accurately describes your primary reason for joining SEMS? Please select only your top 3 reasons:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I joined to stay informed about the latest developments in the field</td>
<td>41</td>
<td>63%</td>
</tr>
<tr>
<td>I joined to have access to specific benefits such as publications or educational programs</td>
<td>34</td>
<td>52%</td>
</tr>
<tr>
<td>I thought being a member would help my career</td>
<td>23</td>
<td>35%</td>
</tr>
<tr>
<td>I felt I could make a difference by becoming a part of the society</td>
<td>18</td>
<td>28%</td>
</tr>
<tr>
<td>I wanted to be part of a community of engineers in my area</td>
<td>15</td>
<td>23%</td>
</tr>
<tr>
<td>I thought I would give membership a try to see what was offered</td>
<td>14</td>
<td>22%</td>
</tr>
<tr>
<td>I joined because membership was recommended by a colleague or an educator</td>
<td>7</td>
<td>11%</td>
</tr>
<tr>
<td>I thought being a member would be helpful to find outlets for publications</td>
<td>4</td>
<td>6%</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>4</td>
<td>6%</td>
</tr>
<tr>
<td>I joined because it seemed like a large number of my colleagues are/were members</td>
<td>3</td>
<td>5%</td>
</tr>
</tbody>
</table>
SEMS STUDENT INITIATIVES
COMMITTEE MEMBERS

Wiljeana Glover
(SI Lead/Career Advice Lead)

Cecilia Martínez
(Academia Lead)

Ralph Riedel
(Recognition Lead)

Amir Gandomi Sereshki
(Recruitment Lead)

Arsalan Safari
(Practice & Applications Lead)

Eileen Van Aken
(Committee Champion)

Fernando G. Aleu
(Networking Lead)
**IIE Student Chapter Roll-Call**

If your student chapter has a strong interest in and/or has hosted events about how engineering and management work together, we want to hear from you! Please email us your interests and/or chapter activities at wjglover@mit.edu

Become a SEMS Student Member and you receive all of these programs and more!

- Join Today! At https://www.iienet2.org/LoginSecure.aspx
**Activity:** “Include sessions that highlight the students that applied for awards in the EM track”

**Vision**
- to provide recognition to participants of the contest
- to give students the opportunity to become part of the expert network
- to increase quality of research by competition

**Outcomes**
- Special session at the EM track at the IEEE Annual IE Conference and Expo 2012
- Students that are nominated present their paper
- Attendance of “official persons” (SEMS president, sponsor’s representative, IIE representative, representative of the student’s activities committee)
- Publication of best papers in the conference proceedings
- Certificate, financial award, winning papers are posted on the website and in the newsletter
- Support for publication in a scientific journal
Latest Development in the Field: Applied Solutions Session (May 2012)

- This new student initiative is designed to:
  - collect latest achievements in engineering management systems in organizational environments
  - share results and achievements with other students in order to increase their knowledge in this field
  - provide guidelines and advice for students to search related academic and non-academic scientific sources independently
- Stay tuned for Date/Time!
Networking/Career Advice Workshop: IE Annual Conference and Expo (May 19 or 20, 2012)

- Held before the first networking reception of the conference
- Panel of SEMS professional/academic members to share their experiences with students

- Networking Advice
  - With Faculty
  - With SEMS Members/Potential Employers
  - With Peers
Mission
- Engage students (at all levels) in Engineering Management related topics.
- Encourage students to publish their research work.
- Expose the publication process and challenges to students.

What we do
- Provide tutorials and practical information related to the EM research & publication process
- Academia Webinar Series
  - Introduction to Engineering Management research
  - Getting your work published
    - What to do...what not to do
  - Collaborative research
<table>
<thead>
<tr>
<th>Webinar Title</th>
<th>Guest Speaker</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Management Research*</td>
<td>Dr. Robert Waters &lt;br&gt;Professor Emeritus of Engineering Management &lt;br&gt;Dept. of Engineering and Management Systems &lt;br&gt;School of Engineering and Applied Science &lt;br&gt;George Washington University</td>
<td>March 2012*</td>
</tr>
<tr>
<td>Getting Your EM Research Published: What not to do.....</td>
<td>Dr. Toni Doolen &lt;br&gt;Associate Dean, University Honors College &lt;br&gt;Associate Head of Undergraduate Programs, School of Mechanical, Industrial and Manufacturing Engineering &lt;br&gt;Professor, School of Mechanical, Industrial and Manufacturing Engineering &lt;br&gt;Oregon State University /EMJ Editor</td>
<td>April 18, 2012 @ 2 PM EST</td>
</tr>
<tr>
<td>Getting your work published*</td>
<td>Dr. Srinivas Talluri &lt;br&gt;Professor of Operations and Supply Chain Management Department &lt;br&gt;Michigan State University &lt;br&gt;Editor- IEEE Transactions on Engineering Management Associate &lt;br&gt;Editor- Decision Sciences Journal</td>
<td>Mid April/ Mid May*</td>
</tr>
</tbody>
</table>

* To be confirmed
GET INVOLVED!

- Thoughts about planned activities
- Thoughts about additional activities
Attend our Webinars!

Make the most of your Student Experience!

Meet new people!

Join us!

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