Post-PASI Collaboration Activities Summary

The networking that took place during PASI 2013 (August 2013) has resulted in 39 post-workshop collaborations between participants as of the end of May 2014. Thirty of the PASI attendees were involved in these subsequent collaborations representing 21 different academic institutions.

The activities done during these collaborations were grouped and classified as follows:

- **Discussion**: attendees involved have discussed some of their research topics and/or problems in an informal setting.
- **Collaboration in research**: attendees involved are actively working in a research project together. Some are still defining their projects; others are already working on publishing the results of their joint work.
- **Collaboration in teaching**: attendees exchanged teaching materials, course syllabi, best practices, etc. Some worked jointly in designing some courses.
- **Visit**: one of the attendees was invited to, and visited, the other’s academic institution. These visits ranged from one day visits to impart a seminar, to longer stays involving joint research, meetings and lengthier lecture sessions.
- **Lecture**: during a visit, the attendee gave one or more lectures.
- **Meeting with administration, faculty and/or students**: the visiting attendee met with university administration, faculty and students. These meetings ranged from informal discussions on research with students and faculty, to more serious institutional meetings aiming at establishing collaborations and exchange programs between universities.
- **Professional societies**: one of the attendees involved was invited by the other to collaborate in a professional society.
- **Workshop/Conference participation**: one of the attendees was invited to participate in a workshop or conference to present his/her research.
- **Thesis committee**: the attendee was invited to form part of another attendee’s student thesis committee, both in the undergraduate and the graduate levels.
- **Other collaborations**: other collaboration activities include writing recommendation letters, writing a joint book, guidance in the ABET accreditation process, support in publishing papers, etc.
The following table presents a summary of the number of collaboration activities that have resulted from the 2013 PASI workshop:

<table>
<thead>
<tr>
<th>Activity</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion</td>
<td>5</td>
</tr>
<tr>
<td>Collaboration in research</td>
<td>11</td>
</tr>
<tr>
<td>Collaboration in teaching</td>
<td>4</td>
</tr>
<tr>
<td>Visit</td>
<td>10</td>
</tr>
<tr>
<td>Lecture</td>
<td>9</td>
</tr>
<tr>
<td>Meeting with administrators, faculty, students</td>
<td>5</td>
</tr>
<tr>
<td>Professional societies</td>
<td>2</td>
</tr>
<tr>
<td>Workshop/Conference participation</td>
<td>3</td>
</tr>
<tr>
<td>Thesis committee</td>
<td>3</td>
</tr>
<tr>
<td>Other collaborations</td>
<td>4</td>
</tr>
</tbody>
</table>
Post-PASI Collaboration Details

Number of people involved: 30
Number of collaboration activities: 39
Number of institutions represented: 21

Attendees involved in collaboration activities resulting from PASI 2013 as of May 31, 2014:

1. Ronald Askin
2. John Bartholdi
3. Leonardo Bedoya
4. Andres Carrano
5. Jose Ceroni
6. Ximena M. Cordova
7. Meredith Deneweth
8. Kimberly Ellis
9. Edgardo Escalante
10. Marc Goetschalckx
11. Rosa Gonzalez-Ramirez
12. Ivan Guardiola
13. Kevin Gue
14. Beverly Kris Jaeger
15. James Lambert
16. Alejandro MacCawley
17. Suzanne Marcotte
18. Andres Medaglia
19. Russell D. Meller
20. Benoit Montreuil
21. Shanthi Muthuswamy
22. Mike Ogle
23. Letitia Pohl
24. David Porter
25. Marie-Eve Rancourt
26. Alice Smith
27. Jeff Smith
28. Carlos Solorio
29. Jorge Valenzuela
30. Mario Velez-Gallego
Collaboration Activity Summary:

1. **John Bartholdi with Alejandro Mac Cawley**: Working on three papers.
2. **Leonardo Bedoya-Valencia with David Porter**: Collaboration on topics related to research interests.
3. **Andres Carrano with John Bartholdi**: Discussion on pallet logistics that informed ongoing research in the area.
4. **Jose Ceroni with Alice Smith**: Coordinating project formulation on women’s participation in engineering in Chile.
5. **Ximena M. Cordova with Rosa Gonzalez**: Collaboration with an undergraduate student’s thesis doing research in the area of maritime ports in Ecuador.
6. **Kimberly Ellis with Jeff Smith, Alice Smith, Andres Carrano, Kevin Gue and Jorge Valenzuela**: Collaborations with Auburn University have increased. Visited Auburn and gave a seminar. Discussed current research in logistics, distribution, and applied operations research.
7. **Kimberly Ellis with Benoit Montreuil**: Collaborations with Ben Montreuil have been enhanced. Invited to lead a workshop session at the upcoming First International Physical Internet Conference in Quebec, Canada.
8. **Kimberly Ellis with James Lambert**: Started conversations with him about collaborations in the area of logistics.
9. **Edgardo Escalante with Carlos Solorio**: Have been in touch regarding some ABET accreditation collaboration.
10. **Marc Goetschalckx with Jorge Valenzuela and Kevin Gue**: Visit to Auburn University, presentation of seminar, discussions with doctoral students and faculty on supply chain, logistics, warehousing topics.
11. **Rosa Gonzalez Ramirez with Alice Smith**: Alice Smith was invited to visit the University in Valparaiso to establish collaborations and meet other faculty. We applied for a grant of the Chilean Government for a short stay (MEC-Conicyt) with a joint project. The university is applying for a Fulbright grant as a senior specialist in order to develop a program in Women in Engineering. Alice was also invited as keynote speaker at the International Conference of Computational Logistics (ICCL 2014) to be held in September 2014. Alice Smith has been supporting Rosa for a research stay, providing letters of recommendation as well as advising her in the development of a project plan.
12. **Rosa Gonzalez Ramirez with Jorge Valenzuela**: Jorge Valenzuela visited the PUCV and was introduced to the Dean of the Industrial Engineering School in order to seek collaborations between the PUCV and Auburn University. He also participated in a colloquium.
13. **Rosa Gonzalez Ramirez with Mario Velez**: Rosa introduced him to another colleague in the UK so they have been in touch and seeking collaborations. Rosa was invited to collaborate in a thesis of an undergraduate student that wants to address problems related to ports. Rosa was also invited by the EAFIT to participate as visiting professor in November 2014.
14. **Rosa Gonzalez Ramirez and Ronald Askin**: Ronald Askin was PhD co-supervisor of Rosa. Ronald is interested in supporting Rosa’s current work related to ports’ operations.
15. **Ivan Guardiola with Rosa Gonzalez**: Assisted Rosa and her co-authors by reviewing their manuscript for English and content resulting in their manuscript being accepted to a journal for publication.
16. **Ivan Guardiola with Ximena Cordova**: Sought the possibility for a sabbatical at her institution in Ecuador.
17. **Kevin Gue with Alejandro Mac Cawley**: Discussed potential collaboration in food and beverage logistics.
19. **James Lambert with Benoit Montreuil**: gave a talk and served on a panel with Benoit Montreuil at a workshop in Germany.

20. **Alejandro Mac Cawley with Alice Smith**: Talking with Alice Smith of Auburn University to collaborate on research related to the optimal distribution of wine/grape operations.

21. **Alejandro Mac Cawley with Rosa Gonzalez**: Collaboration in port operations research.

22. **Suzanne Marcotte with Kimberly Ellis**: The Supply Chain Game simulation tool for teaching SCM was presented by Kimberley Ellis and has, since then, been used in a logistics class at ESG-UQAM in Montreal, Quebec, Canada as a pedagogical tool.

23. **Andrés Medaglia with Alice Smith**: Professor Smith came to Universidad de los Andes and taught a course on Adaptive Optimization. She attended the weekly meeting of our research group. The objective of this interactive seminar was to open a space for future collaboration between Auburn University and Universidad de los Andes.

24. **Russell D. Meller with Marie-Eve Rancourt**: Discussed a research problem that was included in a proposal (to the Canadian government) and was funded.

25. **Russell D. Meller with Benoit Montreuil**: We are putting the finishing touches on the English version of a book on this subject.

26. **Russell D. Meller with Mike Ogle**: Discussed how to organize a course on designing distribution centers. Also talked about how to get more academics involved in WERC, an association that Mike has just taken a leadership role in.

27. **Russell D. Meller with Kevin Gue**: I am serving on the Ph.D. committee of a student co-advised by Kevin Gue and Alice Smith.

28. **Russell D. Meller with Letitia Pohl**: Guest lectured for one of Tish's classes, talking about distribution center design in industry.

29. **Mike Ogle with James Lambert**: Gave a presentation at the University of Virginia based on the work presented at PASI. Met with their department chair and three center directors about work they were doing and what collaborations might be possible with UNC Charlotte.

30. **Mike Ogle with David Porter and Suzanne Marcotte**: Both were invited and will be participating in an event I'm administering this summer for research in material handling and logistics.

31. **Mike Ogle with Benoit Montreuil**: Focusing my research work on the Physical Internet due to Ben's presentation at the event and discussions about it with other attendees.

32. **Letitia Pohl with Kris Jaeger and Ximena Cordova**: Collaborated with both Kris Jaeger and Ximena Cordova on the development of an undergraduate course in Ergonomics and one on "Decision Support in Industrial Engineering".

33. **David Porter with Andres Carrano and Jeff Smith**: As a result of our meeting, was invited to join the College Industry Council on Material Handling Education (CICMHE) as an academic member for the period 2014-2017.

34. **Marie-Eve Rancourt with Benoit Montreuil**: Exploring the possibilities of applying the physical internet principles for humanitarian logistics operations.

35. **Marie-Eve Rancourt with Letitia Pohl**: Exchanged pedagogical material about facility logistics (course material, along with some other teaching resources).

36. **Carlos Solorio with David Porter, Leonardo Bedoya and Mario Velez**: Carlos, David, Leonardo and Mario have been interacting since the PASI workshop.

37. **Jorge Valenzuela with Ximena Cordova**: Met in Quito, Ecuador to develop a faculty and students exchange program. Dr. Valenzuela gave a couple of lectures and met with the president, faculty, and students of the Universidad San Francisco de Quito.

38. **Mario Velez-Gallego with Alice Smith**: Professor Alice Smith was invited to EAFIT University to teach a research seminar. She will be invited again in 2015 to teach a longer course.

39. **Mario Velez-Gallego with Rosa Gonzalez**: Professor Rosa González has been invited to EAFIT University to teach a research seminar on port operations.