

APMS 2013 INTERNATIONAL CONFERENCE

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS

Sustainable Production and Service Supply Chains

September 9-12 2013 the Advances in Production Management Systems (APMS) conference took place at Penn State University (USA). The conference is an annual event, and brings together leading experts from academia, research and industry worldwide. The production management community at SINTEF Industrial Management and the Department of Production and Quality Engineering (NTNU) has usually turned up at the APMS conferences in large numbers, and this year was no exception.

MONDAY

The conference activities began with a welcome reception at The Penn Stater Conference Center Hotel on Monday September 9. Here, the attendants of the conference were able to get acquainted with each other whilst enjoying refreshments in a casual environment.

TUESDAY

Tuesday September 10 was the first full day of sessions. Following three introductory plenary sessions, the SINTEF/NTNU community was actively involved in the first parallel session on ICT-enabled Integrated Operations. Dr. Daryl Powell (NTNU) was session chair together with Bernard Grabot from the National Engineering School of Tarbes (ENIT). Research fellow Harald Rødseth (NTNU) started with presenting the paper "ICT-Enabled Integrated Operations: Towards A Framework for the Integration of Manufacturing- and Maintenance Planning and Control" which was written together with Daryl Powell. Thereafter Børge Sjøbakk (SINTEF) presented the paper "Functional Requirements for a Collaborative Order Management Tool for Use in an Engineering Setting" which was written together with Ottar Bakås (SINTEF). Both Harald and Børge received multiple questions and positive feedback after their presentations.

Later the same day Sergio Cavalieri (University of Bergamo) presented the paper "Interactive Business Models to Deliver Product-Services to Global Markets" in the special session on Modeling of Business and Operational Process. The paper was written together with NTNU Professor Jan Ola Strandhagen, David Romero (Tecnológico de Monterrey, Mexico) and Paul Schönsleben (ETH Zurich).



From left: Anita Friis Sommer (Aalborg University), Barbara Resta (University of Bergamo), Daryl Powell (NTNU), Harald Rødseth (NTNU) and Børge Sjøbakk (SINTEF)



From left: Harald Rødseth and Børge Sjøbakk presenting their papers in the special session on ICT-enabled Integrated Operations

After a day of sessions and a sustainability tour of Penn State Campus a networking reception and dinner was arranged at the Tussey Mountain resort in the evening. The event was very entertaining, with live music, go-karts, miniature golf and baseball batting cages. After enjoying the activities the attendants were returned to their hotels, whereupon some chose to experience the social life of State College whereas others headed early to bed after a exhausting yet exciting day in the lime-light.

WEDNESDAY

On the second full day of sessions, the Norwegian production management community had one presentation. In the session on ICT for Manufacturing and Supply Chain Management Daryl Powell and Erlend Alfnes (NTNU) co-presented the paper “Integrating Lean and MRP: A Taxonomy of the Literature” they had written together with Ilker Bas (NTNU).

Following a day of sessions, a tour and demonstrations of additive manufacturing technology at the Center for Innovative Materials Processing through Direct Digital Deposition (CIMP-3D) was arranged. Later in the evening, a gala dinner was held at the Mountain View Country Club. After dinner it was time for music and dance before the attendants were transported back to their hotels. Again, it was possible to hit the town of State College for those who did not want to turn in early.

THURSDAY

On the last day of the conference, the SINTEF/NTNU community did not have any presentations. Nonetheless, the morning was filled with interesting plenary and parallel sessions. A 30 minute closing session was held at noon, where Burbidge Award for Best Paper and Best Presentation were handed out. Further, the Corsican town of Ajaccio was presented as venue for next year’s conference. This marked the end of this year’s APMS conference—we already look forward to the next one!



Go-karting at the Tussey Mountain resort. Børge Sjøbakk and Daryl Powell in front right before start.



Daryl Powell introducing the paper Integrating Lean and MRP: A Taxonomy of the Literature



Erlend Alfnes presenting a taxonomy of MRP and just-in-time integration studies



Erlend Alfnes discusses with our friends from Aalborg University with the scenic surroundings of the Mountain View Country Club in the background

Memories from Pennsylvania

In between the session activities and organized social events we tried to experience as much of the Pennsylvanian culture and traditions as possible. Here are some memories from what we experienced.



Visiting Amish people just a few miles from the conference venue



Harald Rødseth and Daryl Powell during our sightseeing in Pennsylvania



An Amish man harvesting in a traditional manner



Beaver Stadium, home to the Penn State Nittany Lions, has an official seating capacity of 106 572—making it the fourth-largest stadium in the world!



Amish guard dogs attacked us with cuddles



Driving back to New York before flying to Norway from Newark International Airport