



## Manufacturing Division Programming Committee Minutes

Ceramics Expo, Cleveland, OH, April 26, 2017

Present: Keith DeCarlo, Ed Reeves, Bill Carty, Steve Jung, Nik Ninos, Marina Pascucci, Shay Harrison, Kevin Keefe, Ana Keefe, Oh-Hun Kwon, Bill Lee, Mark Mecklenborg, Erica Zimmerman

10:15 a.m.

Keith DeCarlo, committee chair, discussed providing education on more complex ceramic processing such as colloidal, dry-pressing, firing, sintering. He felt that webinars could reach more people and in person classes.

Mark Mecklenborg added that the short courses at this meeting hosted 20 people and the additive manufacturing course had 10 attendees. Last year's OSHA course had 22 people. The lean manufacturing short course was cancelled.

Bill Carty stated that it is a different audience for lean manufacturing. Engineers and/or upper management are involved.

It was suggested that a course presenting aerospace or automotive procedures using consultants and ITAR or EAR compliance might be of interest. All agreed it was a good idea but maybe too much information for a short course.

Mark stated that next year 3-4 short courses will be scheduled and he was confident they would run. The Leadership program on the Monday before the expo, had 70 people attend; it is a different audience.

Marina Pascucci suggested an intro to engineer level project management course to include software, on-line certificates; geared toward managing people on the floor.

A course on organized shipping and cost, internal logistics management and how shipping gets the job done may be of interest.

Another idea was operations management on a macro scale; small businesses don't have the resources to train internally. Small to mid-size companies can be targeted.

Ana asked if it was possible to receive participant demographics for this year's CEX? Mark will provide those numbers. Last year 41% of attendees were managers and 33% were engineers.

Keith will create a paragraph description of webinars or short courses using the ideas generated and send them out. The committee would like to send a survey asking what position members hold, size of their business, etc.

Mark stated a good start on webinars would be an hour in length and they would be free for manufacturing members. We could record it and post it on the website; for an ACerS member/non-member cost. A few could be created fairly quickly and then they could be turned into a short course.

Oh-Hun Kwon asked if we could tap into resources at BEST manufacturing? Mark agreed that experts need to be identified to present.

Ana spoke with Mike Alexander regarding legislation concerns/regulations; people need to be informed. He is on an advocacy committee and attends congressional visits.

Shay added that the purpose for the advocacy committee is to make tools available to members.

Mike is giving the introduction to the manufacturing division lunch. ACerS manufacturing division website provides manufacturing resources. Eileen is communicating/informing regarding advocacy. We don't lobby and aren't a trade group.

Marina also spoke with Mike regarding trade groups. His congressional visits are with the Foundry Institute; people need to be aware they have options to advocate.

#### MS&T18 Symposia Topics:

Keith is happy to present a paper on topics such as new methods (additive) to have a presence there.

An additive workshop is shaping up for MS&T; it will be fairly specific to attract people.

Marina suggested "Advanced Ceramic Manufacturing Methods" but asked if it was too broad. Ana thought that a broad topic would attract more people for abstract submission.

This is not a marketing commercial though. To submit abstracts, Mark will need title and scope and 4-5 people as lead organizers. Greg Geiger and volunteers evaluate the symposia.

The call for abstracts will include around 6 or so topics. They will need a principal and at least 2 organizers. Nik Ninos and Bill agreed to help organize.

Mark stated that there will be a sintering course at MS&T17. A refractories course will be run by Dick Bratt and Charlie Semler in the near future. Since CBLS marketing really struck a chord with small and medium companies, it will be offered again at MS&T.

#### Ceramics Expo 2018:

Keith worked with Smarter Shows to get the 3 targeted sessions scheduled. We'll need a moderator and 3 speakers. Bill Lee added that the additive manufacturing course upstairs had standing room only; there is opportunity there. Mark stated that there will be a short course on additive manufacturing outside of MS&T17 that will be a day to a day and a half in length.

Meeting adjourned at 11:25 a.m.

Respectfully submitted,

Erica Zimmerman