MEP Workshop Feedback
June 21-23, 2016
IDMI
University of California, Irvine

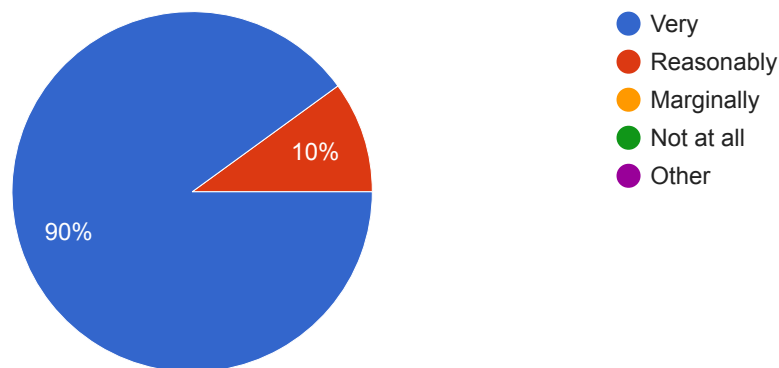# Response Summary

1. How satisfied are you with the Additive Manufacturing Primer (Day 1 morning)?
(10 responses)

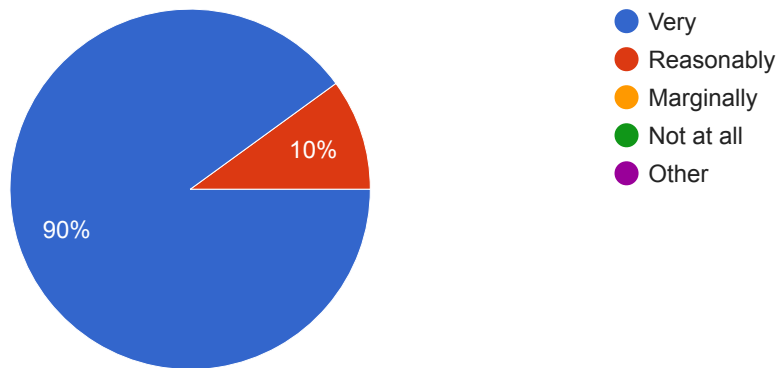- Very
- Reasonably
- Marginally
- Not at all
- Other

90%

10%

2. How satisfied are you with the Solidworks section (Day 1 afternoon)?
(10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

40%
10%
50%
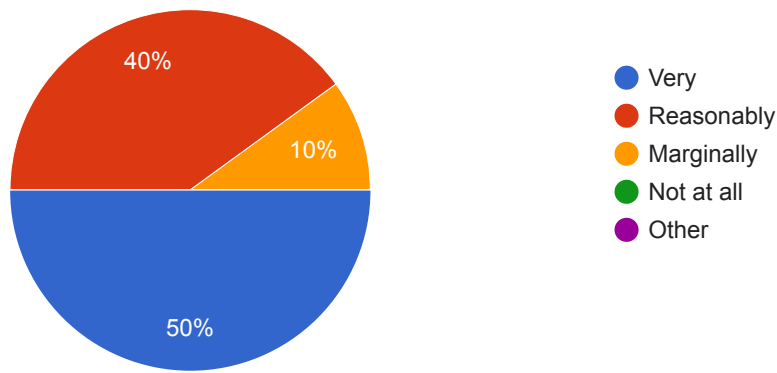
3. How satisfied are you with the Specific Technologies section (Day 2)?
(10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

10%
90%

4. How satisfied are you with the Business Case section (Day 3 morning)?
(10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

50%
50%
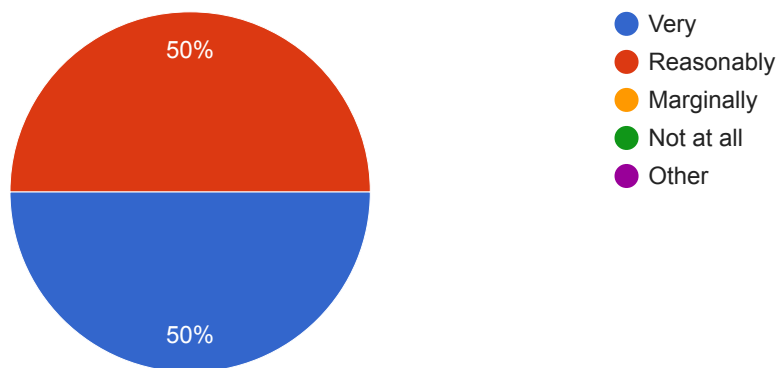
5. How satisfied are you with the Finance Case section (Day 3 morning)?
(10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

50% / 50%
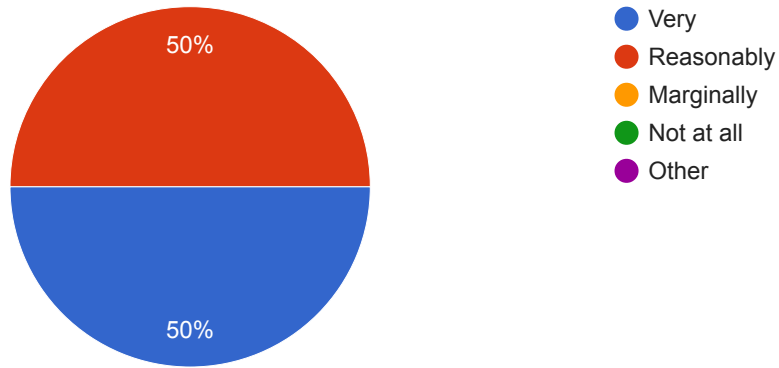
6. How satisfied are you with the Value Stream section (Day 3 morning)?

(10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

40% / 50% / 10%
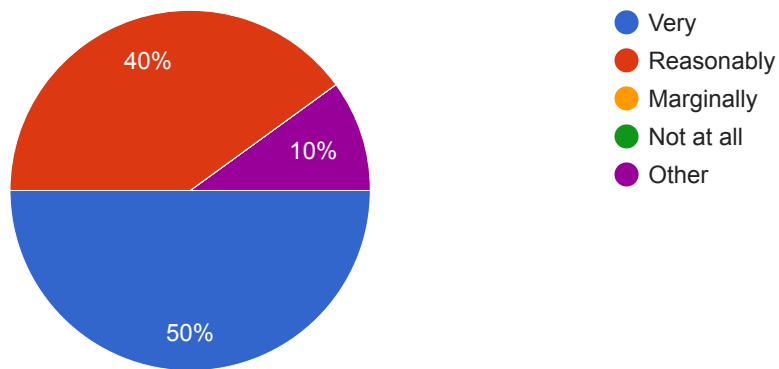
Course delivery

1. How satisfied are you with the quality of the instruction?

Legend: Very | Reasonably | Marginally | Not at all

Categories: Ben, Veronica, Maria, Ehsan
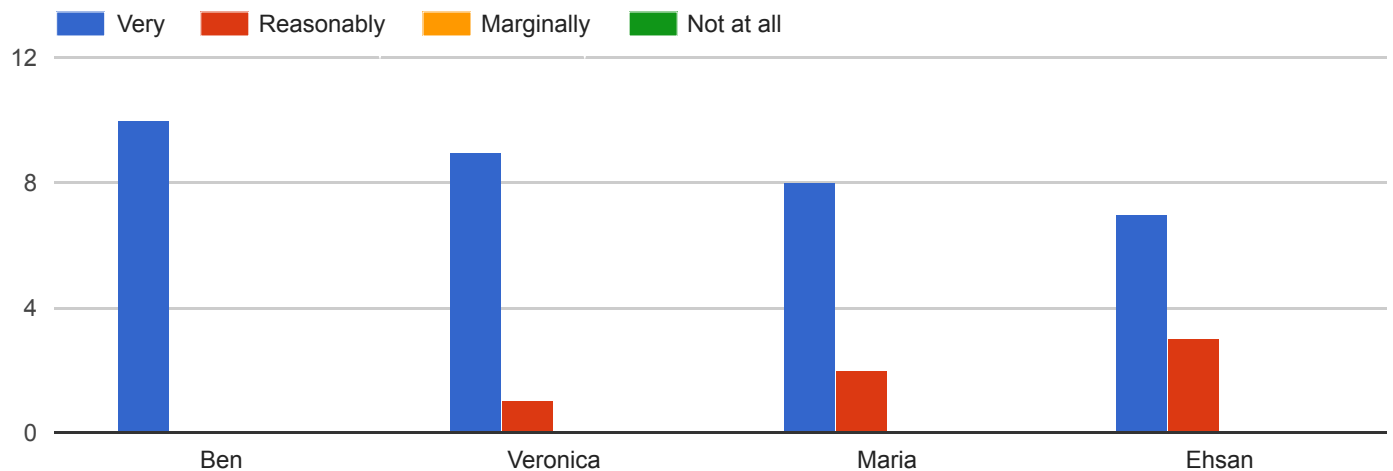
2. How satisfied are you with the quality of the PowerPoint Presentation?

(10 responses)

- Very
- Reasonably
- Marginally
- Not at all
- Other

90%   10%
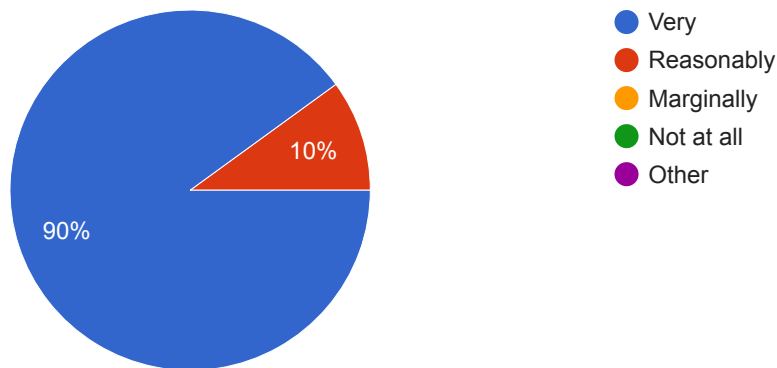
3. How satisfied are you with the balance of classroom and hands-on learning?

(10 responses)

- Very
- Reasonably
- Marginally
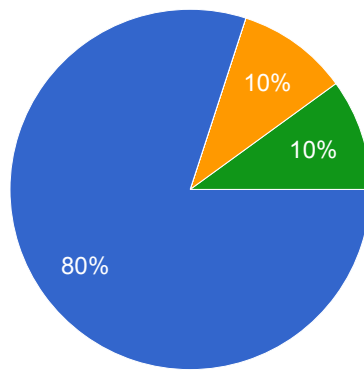- Not at all
- Other

90%   10%
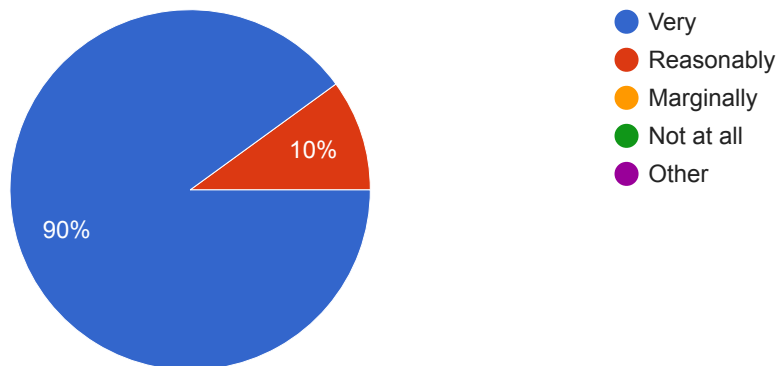
Logistical details

1. How satisfied are you with the classroom setting? (10 responses)

Legend:
- Very
- Reasonably
- Marginally
- Not at all
- Other

80%
20%
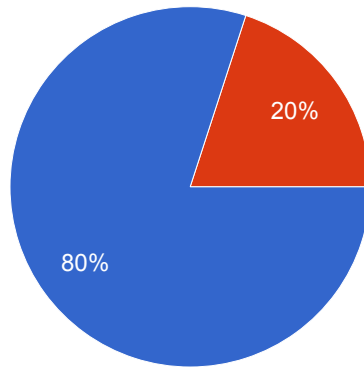
2. How satisfied are you with the course agenda? (10 responses)

Legend:
- I liked it as it was
- It was too intense – should have taken 4 days
- It was too light – could have been condensed in 2 days
- Other

80%
10%
10%

3. How satisfied are you with the number of breaks? (10 responses)
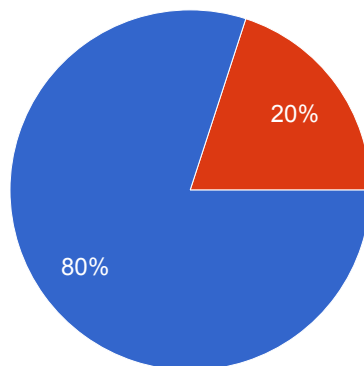
Legend:
- Good amount. They were useful to promote socialization and technical discussion among participants
- I could have used more frequent / longer breaks
- I could have used less frequent / shorter breaks
- Other

80%
20%

4. How satisfied are you with the quality of the meals and the entertainment in general?

(10 responses)

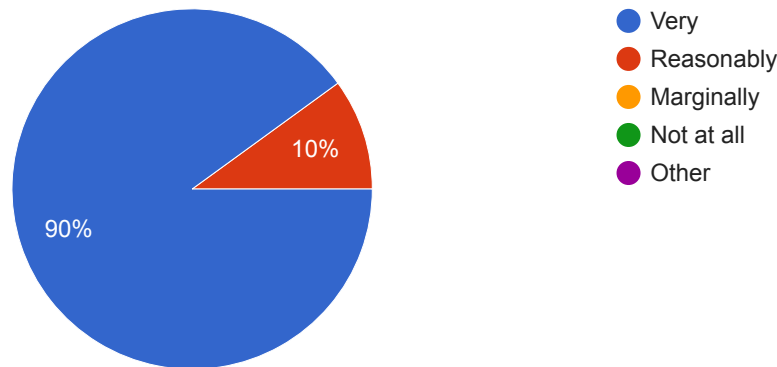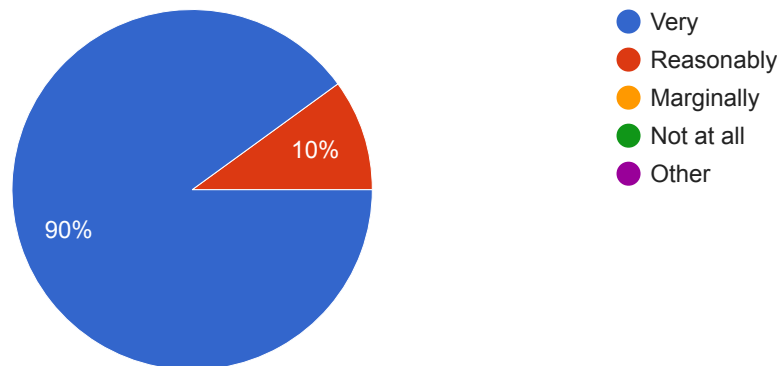- Very
- Reasonably
- Marginally
- Not at all
- Other

90% 10%

5. How satisfied are you with the quality of the logistical/administrative support?

(10 responses)

- Very
- Reasonably
- Marginally
- Not at all
- Other

90% 10%

Any overall feedback for the workshop? (8 responses)

Very well organized. Starting with registration and subsequent emails providing details. Meals and breaks were excellently planned, on time and we did not loose any participants. Efforts to foster networking were fruitful and pleasant camaraderie flourished.

Course content was relevant. Addressing the technology features, advantages/disadvantages and suitable uses with insights as to risks, dangers, safety handling, mechanical obstacles or impediments and objective advice based on real life experience was invaluable. Definitely met expectation by including the SolidWorks tutorial and fabrication of actual product. Combining that with seeing the equipment up close and visiting the

FabLab rounded out the offering. Special mention should be made of Ben's thorough knowledge of the technology and making that available to us in and outside the classroom. Another special mention should be made of how well Veronica, Maria and Hasan assisted us during the Solidworks tutorial - it is extremely difficult to keep 15 attendees on track.

Beyond that it provided us as MEP associates the opportunity to have enriching exchanges and agree on action items to increase adoption of these technologies - where suitable - by our client base.

The entire group did an amazing job. It will always be a challenge to present the case that additive manufacturing is a real tool with real applications vs. a cool machine. What a great course! Thanks.

I thought it was an outstanding 3 days and the team did a great job organizing and implementing the program. A couple of suggestions. The Solidworks design and draw project on day 1 was too long and too in-depth. I understand the point of it but my role will not require me to get "in the weeds" at that level and I heard that from some other attendees as well. It might be advantageous to invite a few company representatives that have used AM/3-D technology to talk about their experiences. There could be some dialogue between class attendees and the companies.

I was very impressed with the presentation of the course material, the level of subject knowledge demonstrated, and the overall organizational efforts experienced throughout the week.

In the short amount of time that we had, I would like to have gone a little deeper into some of the more dominant or popular technologies and spent a little less time discussing the minor and less relevant AM technologies. I would also have liked to have spent less time on a discussion of technical details and more time learning about the potential benefits and weaknesses of the technologies for the users.

Although the SolidWorks and file repair sections taught some valuable lessons, I feel that these could have been shorter and perhaps simpler for our group purposes.

In summary I found the workshop to be a valuable and worthwhile experience and a good first step toward developing knowledgeable and capable resources within the MEP cohort group.

Excellent overall. The SolidWorks tutorial was thorough and perfect for me, but maybe too ambitious for such a short course in general. The business/finance sections were interesting, but I was not sure who the ultimate audience would be. Those making financial decisions at a manufacturing company would likely find it elementary and might prefer a comparison between AM and an existing manufacturing cost structure. The teaching personnel were very knowledgeable about AM technology, but the inexperience in business showed a little on day 3. I would still recommend this course to anyone looking to get into AM.

Good for a pilot. The solid works hands on could have been less confusing if we all had a copy of the print or the object being created. as the group had varied levels of experience, and having 'lab instructors' to help (which was good), the instructor was sometimes not being paid attention to with other distractions and the group was not fully aware of what questions to ask as they didn't know what the final outcome would be.

good to see all the technology up close!

I loved it, the only feedback I would give is the CAD section was too long. It should be much simpler since the people are their just for an over view. If they need a CAD class they can take that separate.

Great job!