

ADAPT Monthly Members Meeting 08 August 2018

Attendees:

Member companies

Chris Borg, Citrine Informatics
Malcolm Davidson, Citrine Informatics
Ned Bryan, AFSB–Carson
Jacob Nuechterlien, Elementum 3D
Andrew Maxey, Vartega
Sean Kline, Vartega
Ed Pierson, Lockheed Martin Space
Karen Buechler, ALD NanoSolutions

Mines

Aaron Stebner
Branden Kappes
Dinesh Mehta
Hua Wang, Mines
Subbarao Raikar, Mines
Avinash Mamidanna, Mines
Owen Hildreth, Mines
Craig Brice, Mines
Jeff Wheeler, Mines
Behnam Amin-Ahmadi
Connor McLean
Sen Liu
Tom Gallmeyer
Amy Brice

Welcome/Introductions

Technical Program

Craig Brice, Director of Advanced Manufacturing Program at Mines
Presentation: Survey of Additive Manufacturing Techniques

- A brief history and milestones in AM development
- ISO/ASTM standard definitions
- AM Techniques, details and benefits/drawbacks of each process
 - Vat photopolymerization (aka: stereolithography)
 - Powder bed fusion
 - Material extrusion
 - Material jetting
 - Binder jetting

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- Sheet lamination
- Directed energy deposition
- Direct write

Next Meeting

Wednesday, September 5, 2018, 1:30–3:30

Starzer Welcome Center (Mines campus): 1812 Illinois St., Golden CO 80401

Agenda: Mohsen Seifi, Director, Global Additive Manufacturing Programs, ASTM International

Topic: ASTM standards work in metals AM