ASPE/euspen 2016 Summer Topical Meeting on Dimensional Accuracy and Surface Finish in Additive Manufacturing

Raleigh, North Carolina, USA
27 – 30 June 2016

ISBN: 978-1-5108-8187-7

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Printed by Curran Associates, Inc. (2019)

American Society for Precision Engineering (ASPE)
P.O. Box 10826
Raleigh NC 27605-0826

Phone: (919) 839-8444
Fax: (919) 839-8039

www.aspe.net

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Tuesday, June 28, 2016

Welcome and Opening Remarks

Tuesday, June 28, 2016, 08:45 AM - 09:00 AM

Session Chair: John S. Taylor, Lawrence Livermore National Laboratory

Session I

Industrialization of Additive Manufacturing

Tuesday, June 28, 2016, 09:00 AM - 10:40 AM

Session Chairs: John S. Taylor, Lawrence Livermore National Laboratory and
Ola L. A. Harrysson, North Carolina State University

Session II

Meeting Tolerances with Secondary Operations & Gauging

Tuesday, June 28, 2016, 11:10 AM - 12:25 PM

Session Chair: Michael M. Kirka, Oak Ridge National Laboratory and
Richard K. Leach, University of Nottingham

*** No Abstract Available**

Commercial Announcements & Short Notes

Tuesday, June 28, 2016, 01:55 PM - 03:25 PM

Stephen J. Ludwick (Aerotech, Inc.) and
Seno Rekawa (Lawrence Berkeley National Laboratory)

Technical Poster and Networking Session

Tuesday, June 28, 2016, 03:40 PM - 05:10 PM

Session Chair: Wendy L. Shearon, American Society for Precision Engineering

City Club Raleigh

Tuesday, June 28, 2016, 6:30 PM – 9:00 PM, Wells Fargo Building – 28th Floor, 150 Fayetteville Street
(A short 5-10 minute walk from the Marriott) – Dress Code: Business Casual
The Networking Dinner is atop the 28th floor of the Wells Fargo Building at the City Club Raleigh. See the fabulous view of Raleigh while enjoying fun, food and fellowship. Plan to take the walk from the Marriott to the Wells Fargo Building along Fayetteville Street, a vibrant, active area of the city.

*** No Abstract Available**

Wednesday, June 29, 2016

Session III

Design for Additive Manufacturing

Wednesday, June 29, 2016, 08:30 AM - 10:35 AM

Session Chair: David B. Pedersen, TU Denmark and
Stephen J. Ludwick, Aerotech, Inc.

Session IV

In Situ Process Metrology 1

Wednesday, June 29, 2016, 11:05 AM - 11:55 AM

Session Chair: Ola L. A. Harrysson, North Carolina State University and
Edward D. Herderick, GE Corporate Supply Chain and Operations

Session V

In Situ Process Metrology - 2

Wednesday, June 29, 2016, 01:25 PM 03:05 PM

Session Chair: Ola L. A. Harrysson, North Carolina State University and
Edward D. Herderick, GE Corporate Supply Chain and Operations

Session VI

Functional Assessment of AM Components

Wednesday, June 29, 2016, 03:35 PM - 05:15 PM

Session Chair: David J. Bate, Nikon Metrology and
Gerrit Oosterhuis, VDL Enabling Technologies Group

*** No Abstract Available**

Session VII

Characterization of Surface Topography

Thursday, June 30, 2016, 08:30 AM - 10:35 AM

Session Chair: Christopher J. Evans, University of North Carolina at Charlotte
John S. Taylor, Lawrence Livermore National Laboratory

Session VIII

CT Metrology

Thursday, June 30, 2016, 11:05 AM - 12:45 PM

Session Chair: Christopher A. Brown, Worcester Polytechnic Institute and
Richard K. Leach, National Physical Laboratory, UK

*** No Abstract Available**

Session IX

Metrology Instruments

Thursday, June 30, 2016, 01:55 AM - 03:35 PM

Session Chair: Jason Fox, National Institute of Standards and Technology
and Herminso Villarraga-Gómez, Nikon Metrology, Inc.

Session X

Development of AM Processes

Thursday, June 30, 2016, 04:00 PM - 05:40 PM

Session Chair: Michael M. Kirka, Oak Ridge National Laboratory
Ola L. A. Harrysson, North Carolina State University

No Host Closing Reception, 06:00 PM – 06:30 PM – 8:00 PM,
Clouds Brewing Co., 126 N. West Street

The is your opportunity to talk about what you've learned and make connections.

*** No Abstract Available**