

The Aerospace & Defense Forum

Facilitating Business Communication, Collaboration, & Commerce

The 3-D Printing Advantage for A&D

Los Angeles Chapter
October 18, 2013 Meeting

[Click here to register to attend
in person](#)

Both members and non-members must register to attend.

Registration Fees

Free - A&D Forum member

\$30 - Non-member Early Bird until
October 10

\$40 - Non-member after October 10.

You will receive multiple invitations, regardless of whether you have already registered. Please do not register more than once!

[Click here to register to attend
via the web](#)

The presentation will be available live via web streaming.

After completing and submitting the registration form, you will receive an e-mail confirmation containing instructions for accessing the Webinar.

Live streaming facilities are provided by UK Trade & Investment.



The 3-D Printing Advantage for A&D:
A look into the past, present, and future

Guest Presenter:

Federico Sciammarella, Ph.D.

Associate Professor, Mechanical Engineering

College of Engineering and Engineering
Technology

Northern Illinois University

Have you often wondered why there has been a lot of talk about 3-D printing in the news lately? This technology has created a paradigm shift in the world of manufacturing. It has disrupted the overall process and will redefine the nature of on demand custom parts. It is

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Other Upcoming A&D Forum Chapter Meetings

Oct 3: Tour of Northrop Grumman F/A-18 Manufacturing Line, El Segundo, CA, Orange County Chapter (sold out)

Oct 8: "Dare Mighty Things", Lt. Gen Gene Tattini, Deputy Director, Jet Propulsion Laboratory, Arizona Chapter (in

forecasted that the AM market will grow to \$5.2 Billion by 2020.

This presentation will highlight the technology and how it has and will help propel the A&D industry into the next level. The very nature of R&D for both these industries will change and enable very rapid development of next generation systems. The emphasis will be on design and thinking in an additive manner. However, it should be mentioned that there is still a lot of work that needs to be done. As such, my overall aim is to inform you of the possibilities that currently exist in both industries and the future potential that this technology will provide if utilized properly.

Additive manufacturing, unlike machining, builds parts with only the necessary amount of powder, preventing waste during the manufacturing process. There are various types of systems available some offer better surface quality and more intricate part geometry, others offer faster-building rates, larger parts and easy variation of alloy composition for functionally graded materials. Some can even be used to repair high value components that might have otherwise been scrapped. As an investor or someone that might be interested in utilizing this technology for their company this presentation will give you a better handle on where the technology is and what is required to provide your company with a competitive advantage.



Federico Sciammarella has been at Northern Illinois University since 2007. Previously he worked at Alion Science & Technology where as a team they developed the Automated Laser cell for refurbishment of Naval Components and won two R&D 100 awards in 2004 & 2005.

Phoenix)

Oct 22: "A Look Ahead in Defense", Brad Feldmann, President & COO, and Jay Thomas, EVP, CFO, Cubic Corporation, San Diego Chapter

Nov 7: "Being Public vs. Private", John C. Carson, President & CEO, Irvine Sensors Corporation, Orange County Chapter

Nov 15: "How the CACTs and Vocational Education are helping A&D", Joe Klocko, David Gonzales, Directors, CACTs, Los Angeles Chapter

[Recently Posted Presentations on the A&D Forum Website](#)

"Is Your A&D Company Part of the \$500B CYBER Loss?", Cybersecurity Panel, Orange County Chapter, August 1, 2013

"Doing Aviation Business in China", David Conrad, Zodiac Aerospace, Los Angeles Chapter, August 16, 2013

"Kratos: A Transformation Success Story", Ed Lake, Kratos Defense & Security Solutions, San Diego Chapter, August 20, 2013

The Aerospace & Defense Forum is a global aerospace and defense leadership community of over 700, providing opportunities for sharing of information, current events, and analysis, mutual support and encouragement, partnering, innovation, and performance breakthroughs. More information at AerospaceDefenseForum.org

[Los Angeles Chapter Steering Committee](#)

- Robert Jacobson, Desert Sky Holdings, A&D Forum Co-Founder
- Ken Guss, CEO, GroupAero
- Ivan Rosenberg, President & CEO, Frontier Associates, A&D Forum

Last year he served as the competency area manager for the Laser Materials Processing Group that is part of the National Laser Centre at the Council for Scientific and Industrial Research (CSIR) in South Africa. He managed projects that added value and saved South African industry millions of dollars.

Because of his research and education work with additive manufacturing, Sciammarella was chosen to be technical chair for the Rapid Product Development Association of South Africa (RAPDASA) international conference held in South Africa in 2012 which focused on Additive Manufacturing. He is now leading a core team of top scientists and industrial partners to help develop South Africa's first Technology Implementation Roadmap in Additive Manufacturing.

He is a Chicago native and avid soccer fan.

October 18, 2013 Meeting

- Please check-in on arrival.
- Attire is business casual.
- Park in the building or for free across the street at the Century City Mall
- A light continental breakfast will be available starting at 7:00AM.
- Bring a business card - they will be duplicated and everyone will get a copy of all attendee's cards.
- Flyers and other material may be placed on the receptionist's shelf for pickup before and after the meeting. Please do not distribute anything during the meeting.
- Because of the large number of attendees, introductions will be minimal - your name, company, industry, and a 5 word "elevator speech". We encourage you to be creative!
- You are welcome to stay around and network after the meeting.

Feel free to pass this invitation on to others you think would be interested.

Event Info

Friday, October 18, 2013
Networking: 7:00-7:30AM
Meeting: 7:30AM-9:00AM PST
Jeffer, Mangels, Butler & Mitchell
1900 Avenue of the Stars, 7th Floor
Los Angeles, California

[The Executive Steering Committee of The Aerospace & Defense Forum](#)

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AerospaceDefenseForum.org

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