



July
2018

24
25
26
27

6th Annual Materials Manufacturing Summer Teachers' Institute

Gearing Up for the Future



Materials Manufacturing Summer Teachers' Institute

Co-Directors:

Christine Broadbridge, Ph. D.

Dean, School of Graduate Studies, Research, and Innovation (GSRI)
Education Director; CRISP (an NSF MRSEC at Yale/SCSU)

Broadbridge@southernct.edu

Robert John Klancko, P.E.

Partner, Klancko & Klancko, LLC
Chair Education Committee So. CT. Chapt. ASM Int'l

rjklancko@gmail.com

Larry Smith (Incoming Co-Director)

Senior Vice President of Manufacturing and Engineering
Bridgeport Fittings, Inc.

larrys@bptfittings.com

Institute Coordinator:

Carol Jenkins, M.S.

Education & Outreach; REU Coordinator, CRISP (an NSF MRSEC at Yale/SCSU)

Jenkinsc12@southernct.edu

Registration and Breakfast

(Academic Science and Laboratory Building, room 210)

8:00 – 8:30 Sign in, breakfast and networking

8:30 – 9:10 Welcome

Ellen Durnin, Ph.D. | Dean of the School of Business, SCSU

Kris Lorch | President, Alloy Engineering; Workforce Enhancement Committee, NHMA

Kurt Westby | Commissioner of Department of Labor

9:10 – 9:30 Physical & Chemical
Properties of Materials:
A Practical Approach

Christine Broadbridge, Ph.D. | Dean, School of Graduate Studies, Research, & Innovation

Workshop Overview: Gearing Up for the Future

(Academic Science and Laboratory Building, room 210)

9:30 – 10:00 Project overview

Dave Tuttle | Chair of Manufacturing Technologies, Platt Technical High School

10:00 – 10:30 Materials & the
Manufacturing Processes

Greg AmEnde | Instructor of Manufacturing Technologies, Platt Technical High School

10:30 – 10:45 Practicum Design:
*A demonstration that can be
done in your classroom*

Yvonne Klancko | Klancko & Klancko, LLC; Education Consultant

10:45 – 11:15 Bobs Challenge;
Safety as it applies to the
plant tour and industry

Bob Klancko | Klancko & Klancko, LLC; Workforce Enhancement Committee, NHMA;
Chair, Ed. Committee So. CT. Chapt. ASM Int'l

Networking Lunch

(Academic Science and Laboratory Building, lower level)

11:15 – 12:00 Guest Speakers

Colleen Bielitz, Ph.D. | Associate Vice President, Strategic Initiatives and Outreach

Jim Gildea | Director of Manufacturing, Bigelow Tea

Dr. Melissa Hickey | Director of Literacy/Reading, CT State Department of Education

12:00 – 12:45 Networking Lunch

Leed Himmel

Manufacturer of Aluminum Architectural Shapes

12:45 – 1:00 SCSU Shuttles to Leed
Himmel

75 Leeder Hill Dr., Hamden, CT 06517

1:00 – 3:00 Tours of Leed Himmel

Adam Stern | Vice President of Sales, Leed Himmel

3:00 – 3:15 Details for Day 2

Bob Klancko | Klancko & Klancko, LLC; Workforce Enhancement Committee, NHMA;
Chair, Ed. Committee So. CT. Chapt. ASM Int'l

3:15 Return to SCSU

Sign-in and Breakfast

8:00 – 8:30	Sign in, breakfast	
	Welcome	Dr. Melissa Hickey Director of Literacy/Reading, Connecticut State Department of Education
8:30 – 10:00	Safety Review	Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
	Machining Process, Tools and Properties; Shop Math	
10:00 – 10:10	Short Break	

Gearing Up for the Future Project (In Shop)

		Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
10:10 – 12:00	Begin production	Greg AmEnde Instructor of Manufacturing Technologies, Platt Technical High School
		Drew Most Chair of Manufacturing Technologies, Bullard Havens Technical High School
		Working Lunch (In Platt Tech Cafeteria)
12:00 – 12:15	Bob's challenge: Answer discussion and new challenge	Bob Klancko Klancko & Klancko, LLC; Workforce Enhancement Committee, NHMA; Chair, Ed. Committee So. CT. Chapt. ASM Int'l
12:15 – 1:00	Invited Speaker	Larry Smith SVP of Manufacturing & Engineering, Bridgeport Fittings

Gearing Up for the Future Project (In Shop)

1:00 – 2:30	Continue production	Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
		Greg AmEnde Instructor of Manufacturing Technologies, Platt Technical High School
		Drew Most Chair of Manufacturing Technologies, Bullard Havens Technical High School
2:30 – 2:45	Coffee Break	
2:45 – 3:00	Practicum Discussion	Yvonne Klancko Klancko & Klancko, LLC; Education Consultant
3:00 – 3:30	Skill sets, certifications, and employer needs	Lori-Lynn Chatlos Business Services Specialist, CT Department of Labor

Sign-in and Breakfast

8:00 – 8:30	Sign in, breakfast	
	Welcome remarks	Jeff Wihbey Superintendent, CT Technical Education & Career System (CTECS) Scott Zito Principal, Platt Technical High School
8:30 – 8:45	Review of Days 1 & 2	Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
8:45 – 9:00	Bobs challenge, answer and take home	Bob Klancko Klancko & Klancko, LLC; Workforce Enhancement Committee, NHMA; Chair, Ed. Committee So. CT. Chapt. ASM Int'l

Gearing Up for the Future Project (In Shop)

		Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
9:00 – 11:45	Continue production	Greg AmEnde Instructor of Manufacturing Technologies, Platt Technical High School Drew Most Chair of Manufacturing Technologies, Bullard Havens Technical High School

Working Lunch (In Cafeteria)

11:30 – 12:30	Industry Needs and the Under Supply of Talent	Kris Lorch President, Alloy Engineering
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Gearing Up for the Future Project (In Shop)

		Dave Tuttle Chair of Manufacturing Technologies, Platt Technical High School
12:30 – 1:30	Finish production	Greg AmEnde Instructor of Manufacturing Technologies, Platt Technical High School Drew Most Chair of Manufacturing Technologies, Bullard Havens Technical High School
1:30 – 1:40	Coffee Break	

The Classroom Connection (In Shop)

1:40 – 2:40	Students present their demonstration/experiment ideas/plans	Yvonne Klancko Klancko & Klancko, LLC; Education Consultant
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Wrap Up (In Shop)

2:40 – 3:00	Surveys Day 4 (Optional) Information	Carol Jenkins Education & Outreach Coordinator, CRISP at Yale/SCSU
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Tours of Assa Abloy

9:15 Meet at Assa Abloy front entrance

9:30 – 12:00 Tours **Bill Grambo** | General Manager, Sargent Manufacturing Company
Lunch

Please park in guest entrance on the corner of Church Street Extension and Sargent Drive.

GPS address is 110 Sargent Drive, New Haven, CT.