

Presenters: 2015 Materials & Manufacturing Summer Teachers' Institute

Christine Broadbridge

Education Director, CRISP
Professor and Chair of Physics, SCSU
Director, ConnSCU Center for Nanotechnology

Christine Broadbridge received Ph.D. and M.S. degrees in Engineering from Brown University where she conducted research in the fields of materials science, semiconductor electronics and solid-state physics. While at Trinity College, she established a materials processing and characterization facility. She also founded and directed the United Technologies/Trinity College Engineering Initiative (UTCEI), a program designed to enhance the representation of women and underrepresented minorities in engineering and science. In January of 1998, Dr. Broadbridge was appointed Visiting Fellow at Yale University. In 2000, she joined the Physics Dept. at SCSU where she established the CRISP NanoCharacterization Facility. Most recently, she has been appointed the Director of the newly-established ConnSCU Nanotechnology Center at SCSU.

Bob Klancko

Consulting Partner, Klancko & Klancko, LLC

Robert Klancko holds a degree in Chemical-Nuclear Engineering from the University of Connecticut. Robert Klancko, P.E., CSP, is a partner in the consulting firm of Klancko & Klancko LLC. Previously he spent 20 years in the brass industry and 15 in the utility industry in key managerial positions. Bob has been an adjunct faculty member at Rensselaer at Hartford from 1972 – 2006. He serves on the Board of Directors of the Connecticut Environmental Forum – emeritus member, the Executive Committee of the Southern Connecticut Chapter of the ASM International, and the Board of Directors of the New Haven Manufacturing Association. He is a Registered Professional Engineer and a Certified Safety Professional. He is currently on advisory committees at The Sound School, Eli Whitney Technical High School, Emmett O'Brien Technical High School, Platt Technical High School, and Southern Connecticut State University

Tom Doggart

Director & Principal Engineer, Nomad Metallurgy, LLC

Tom Doggart received a M.S. in Materials Science and a B.S. in Mechanical and Materials Engineering from the University of Connecticut. He is the director and principal engineer of Nomad Metallurgy where he is responsible for all aspects of a metallurgical and materials consultancy with a focus on failure analysis, quality system auditing and manufacturing process development. His past work has included Operating Manager and Consulting Engineer responsible for all aspects of an A2LA accredited commercial NDT, Mechanical, Chemical and Metallurgical testing laboratory for Stork – Herron Testing Laboratories. He was Chief Materials Engineer responsible for all material related functions including, design, specification, testing, process design and trouble shooting, failure analysis and customer interactions for PerkinElmer Centurion Mechanical Seals.

George Muench

Senior Materials Scientist, Precision Combustion Inc.

George Muench received Ph.D. and M.S. degrees in Physics from Clarkson University and his B.S.E. in Industrial Engineering from University of Central Florida. He is a senior materials scientist working on clean power solutions for the 21st century at Precision Combustion in North Haven, CT. In addition, he is an Adjunct Instructor of Physics at the University of New Haven and the Treasurer and Past Chairman of the Southern Connecticut Chapter of ASM International. He also hold several patents in the field of materials science and engineering.



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Yvonne Klancko

Consulting Partner, Klancko & Klancko, LLC

Yvonne Klancko received her B.S., M.S. and 6th Year from Southern Connecticut State University. Yvonne is a partner of the consulting firm of Klancko & Klancko, LLC, specializing in the areas of education consulting, new program development, creative teaching techniques, testing and community relations. She is also a Reading Consultant in the Amity Regional School System and is their Director of Adult, Continuing, and Summer Education. Yvonne is presently involved in "first day employability issues," successful instruction models, the effective teaching of STEM, and how educational system – industry institutional roadblocks can be lessened.

Larry Smith

Vice President of Manufacturing and Engineering at Bridgeport Fittings, Inc

Larry Smith is the Vice President of Manufacturing and Engineering at Bridgeport Fittings, Inc. with an overall responsibility for all Manufacturing Operations including Safety, Quality Assurance, Tooling, and Environmental Compliance. In addition, Larry has overall responsibility for all Engineering Operations including New Product Design, Tooling Design, Product Regulatory Compliance, Intellectual Property, and Technical Documentation. Prior to joining Bridgeport Fittings in 2007, Larry worked in senior manufacturing engineering, and quality positions at Tiffany & Co., Polo/Ralph Lauren Home, Multiplier-Ampergen, Sirona Dental Systems, and Amphenol-Nexus Technologies. Larry developed an innovative, laser cutting machine specifically for precious metal, which was prominently featured in a leading industry subscription publication called Manufacturing Jewelers & Suppliers of America. He authored the cover story "Cutting Costs – Case Study: How laser cutting has improved productivity and quality at Tiffany & Co."

David Williams

Process Engineer, Holo-Krome

After receiving his BSME at Kettering University David had fun designing bicycles and school furniture at Columbia Mfg. Later he picked up for lean manufacturing skills working at Danaher's Holo-krome plant making Craftsman hand tools and fasteners. His current job with Holo-krome under Fastenal's ownership involves process engineering with a specialty in heat treatment of high strength fasteners.



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Invited Lunch Speakers

Dr. Dianna Wentzell

CT Commissioner of Education

Dr. Dianna R. Wentzell has been an educator in Connecticut for over 25 years. She was appointed as Commissioner of Education by Governor Dannel P. Malloy in April 2015, after serving as Interim Commissioner since January 2015. Dr. Wentzell began her career in education as a social studies teacher and later as a teacher for gifted students. Before her appointment as interim commissioner, she served as the State Department of Education's chief academic officer, overseeing the Bureau of Curriculum, Instruction and Assessment, and the Standards Implementation Division. Before joining the Department, Dr. Wentzell served as assistant superintendent of schools in Hartford, and in district leadership positions with a focus on curriculum, instruction, and assessment in both South Windsor and the Capitol Region Education Council (CREC) magnet schools. Dr. Wentzell has a bachelor's degree in Russian studies from Mount Holyoke College, a master's degree in educational leadership from the University of Massachusetts–Amherst, and a doctorate in educational leadership from the University of Hartford.

Dr. Robert Forbus

Assistant to the Dean, Associate Professor of Marketing

Dr. Forbus is the co-author, with Dr. Jason Snyder, of the 2014 book titled *Today's Business Communication: A How-To Guide for the Modern Professional*, published by Business Expert Press, New York, N.Y. As a teacher, Dr. Forbus builds upon two decades of experience in marketing communications and public relations, only embarking on an academic career in 2004. Former owner of PROVATO Consulting, LLC, in Montgomery, Alabama, and former co-owner of ZIMPAL Group, LLC, in West Hartford, Connecticut, Dr. Forbus has an entrepreneurial orientation to his teaching and research. Relocating to New England in 2006, Dr. Forbus began studies at the University Connecticut, and earned both a master's and a Ph.D. in 2010. A member of the American Marketing Association, he serves as Assistant to the Dean of the School of Business and as Associate Professor of Marketing at Southern Connecticut State University. Dr. Forbus' research focuses on advertising, health marketing, and brands. He is especially interested in the impact of marketing upon marginalized and stigmatized consumers. Furthermore, he continues to perform consulting work in strategic planning and marketing communications.

Jim Gildea

Plant Manager, Bigelow Tea

Jim Gildea has been with Bigelow Tea since 1996. He has served in various capacities during his tenure. He began as the Facility Supervisor responsible for the maintenance and upkeep of both the Fairfield Plant and Corporate facility. In 2001, he was promoted to Maintenance Manager in which he managed the Electronic and Mechanic Departments. He held this position until 2006 when he was promoted to the position of Plant Manager of the Fairfield Plant where he currently manages the Fairfield Manufacturing facility as well as the Direct Marketing operations located in Bridgeport. In this position, he has worked on many of the company's green initiatives including energy conservation and waste reduction. Jim speaks in the community regularly about Bigelow Tea's sustainability efforts including waste reduction and energy efficiency.

Jim is involved locally in his town where he has previously been on the Board of Education for 14 years (from 1992 – 2005) and served as Chairman of the Board for 12 years. During this past election, Jim was re-elected to the Board of Education after an 8 year hiatus. He has previously served on the Zoning Commission, School Building Committee and the Water Pollution Control Authority. Jim was appointed by Governor Dannel Malloy to serve on the Connecticut Commuter Rail Council. He was recently re-elected Vice Chairman of the Council by his peers. Jim serves as Co-Chair of the Leadership for Greater Bridgeport Board of Directors and serves on the Bridgeport Regional Business Council Board of Directors.



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Invited Lunch Speakers

Theresa Conroy

State Representative, 105th Assembly District

Theresa Conroy represents Seymour, Beacon Falls and Derby in the Connecticut House of Representatives. Theresa is House Chair of the Internship Committee and a member of the legislature's Public Health, Planning & Development, and Veterans committees. She describes her district as "a gem waiting to be mined" and a region of incredible vitality and potential. Theresa points to the solid infrastructure like Route 8 and the railroad as well as the incredible natural resources like the Naugatuck River and Housatonic River as strong arguments for increased economic development and job growth in the region. Theresa is committed to pursuing policies that aid seniors and expand options to age in their own homes. Theresa is a strong advocate for servicemen and women and their families and an ally to veterans. She worked as a nurse for 28 years at the West Haven VA Health Center. She holds a master's degree from Fairfield University's Family Nurse Practitioner Program, a bachelor's degree from Southern Connecticut State University and an ADN from Quinnipiac University.

Gayle Slossberg

State Senator, Chair: Education

Gayle Slossberg is a dynamic leader who exemplifies a lifetime of community involvement. First elected in 2004, Senator Slossberg was reelected in 2014 for her sixth term as the State Senator representing Milford, Orange, and the southern half of West Haven, and part of Woodbridge. She is Senate Chair of the General Assembly's Education Committee and Vice Chair of the Human Services Committee. During her time in the legislature, Senator Slossberg has earned a reputation as a tireless advocate for job creation in Connecticut. She was responsible for developing the first tax incentive program in the state aimed at increasing job growth and enticing new businesses to move to Connecticut. Senator Slossberg's program became an essential part of landmark jobs legislation passed in 2011 and expanded upon in 2012.

Jerry Clupper

New Haven Manufacturers Association Executive Director

Jerry Clupper is Executive Director of the New Haven Manufacturers Association (NHMA). As an engineer, manager and consultant he has over 50 years of manufacturing, management and training experience. NHMA works with both public and business organizations to promote and achieve sustainability and growth of Connecticut manufacturing. Maintaining and developing a capable workforce is one of the keys to this effort.

Known for creating partnerships and collaborations he serves on many state and regional committees, several of which are focused on Economic Development and Education.



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Kathy Saint
Schwerdtle Stamp

Saint is President of Schwerdtle Stamp Co., a 135 year old manufacturing firm located in Bridgeport.

Saint is President of the Manufacturers Education and Training Alliance. She is a past president of Bridgeport Chamber of Commerce and continues to serve on the Board as well as chairing the Education Committee. She is a past board member for CBIA and serves on the Manufacturer's Advisory Committee.

Working with the New Haven Manufacturer's Association and their Workforce Enhancement Committee, Saint is vocal in her advocacy for Education and particularly STEM skills with the Governor, state agencies and the legislature.

She serves on the Industry Advisory Board for UConn's Materials Science and Engineering School, the Advanced Manufacturing Advisory Committee at Housatonic Community College and the TTAC Committees for Emmett O'Brien Technical HS and Platt Technical HS.

