

ACKNOWLEDGEMENTS

TEMPERATURE ASSURANCE PACKAGING (TAP) CERTIFICATION PROGRAM

SONOCO THERMOSAFE



ThermoSafe, a Sonoco company, is a leading global provider of temperature assurance packaging for the safe and efficient transport of pharmaceuticals, biologics, vaccines and other temperature sensitive products.

VISHAL KHUSHALANI

Director of Global Marketing & Business Development

BEN VANDERPLAS

Global Product Manager

KEN MALTAS

Director of R&D and Technology

EDUCATION STEERING COMMITTEE

The Education Steering Committee is a strategic group of industry professionals who ensure that the training program is of the highest quality and that it efficiently and effectively empowers our audience to develop an expedient understanding of their supply chain and temperature assurance packaging.

Education Committee Members:

MICHAEL ENGLISH

Associate Director, Engineering Merck & Co

LISA MOHER

Head of Distribution Packaging Sanofi

CHRISTOPHER ANDERSON

Director, Quality Systems Cardinal Health

BRYAN CARDIS

Consultant Packaging Engineer, Eli Lilly

SUSAN LI

Marketing Manager, UPS Temperature True® Packaging

TERRENCE SELL

Director of Pharma Competence, Kuehne+Nagel North America

GEOFFREY GLAUSER

Senior Consultant of SME - Biologics Supply Chain, US Government Health and Human Services / ASPR / BARDA

STEVE JACOBS

President, Global BioPharm Solutions

THE PACKAGING SCHOOL



The Packaging School (packagingschool.com) is a passionate group of packaging experts, creatives and instructional designers who work with leading subject matter authorities to deliver state-of-the-art online courses in packaging science.

DR. ANDREW HURLEY

Chief Learning Officer

SARA SHUMPERT

Managing Director

KEVIN KEIGLEY

Creative Director

ALLI QUEBE

Production Coordinator

CASEY JOSEPH MARKETING

Casey Joseph Marketing is a boutique agency specializing in content strategy and copywriting.

CASEY JOSEPH

Content Strategist and Education Consultant

TEACHING FACULTY

FRANK BUTCH

Director of Engineering, Sonoco ThermoSafe

GEOFF GLAUSER

Senior Consultant - Biologics Supply Chain, US Government Health and Human Services / ASPR / BARDA

DR. ANDREW HURLEY

Assistant Professor of Packaging Science at Clemson University



GEOFFREY GLAUSER

SUBJECT MATTER EXPERT

Biologics Supply Chain
US Government Health and Human
Services, ASPR, BARDA

TECHNICAL AUTHOR

Parenteral Drug Association publications
and the International Society for
Pharmaceutical Engineering (ISPE)



ACCOMPLISHMENTS

CENTER FOR DISEASE CONTROL,
Sierra Leone
Phase 23 Ebola Vaccine Clinical Trial

PFIZER PHARMACEUTICALS,
Global Packaging Technology Group,
Temperature Controlled Shipping
Expertise and Solutions

MERCK & CO. INC.,
25 years experience
Supply Chain, Biological, Sterile &
Chemical Planning and Manufacturing
Activities

FISCHER CLINICAL SERVICES,
New product and Inline / Domestically
and Internationally

EDUCATION

US NAVY
Officer and Engineer

INDIANA UNIVERSITY
Microbiology Degree

Geoffrey Glauser is currently a subject matter expert in support of the Manufacturing, Facilities, and Engineering Division of the Biomedical Advancement Research Development Authority (BARDA) in the Office of the Assistant Secretary for Preparedness and Response (ASPR) within within US Government Health and Human Services (HHS). This division contracts the development, and supply of vaccines, antivirals, diagnostics, therapeutics and ancillary products for Pandemic Influenza, Project BioShield, and research and development Programs. Mr. Glauser is also a contributing technical author to the Parenteral Drug Association publications and the International Society for Pharmaceutical Engineering (ISPE). Recently he worked with the Center for Disease Control in Sierra Leone on a Phase 23 Ebola vaccine clinical trial. Mr. Glauser has previously worked in line and staff positions with Pfizer (Wyeth) Pharmaceuticals in the Global Packaging Technology group supporting biotech, vaccine, and consumer areas with temperature controlled shipping expertise and solutions. In other industrial positions, he has directed supply chain, biological, sterile and chemical planning and manufacturing activities with Merck & Co. Inc. (25 years) and Fisher Clinical Services for inline, new product and clinical biological and pharmaceutical entities both domestically and internationally. A former US Navy officer and engineer, Mr. Glauser has a microbiology degree from Indiana University.

FRANK BUTCH

DIRECTOR OF ENGINEERING

Sonoco ThermoSafe

SPEAKER

Conferences, summits, presentations



ACCOMPLISHMENTS

ENGINEERING, FINITE ELEMENT
ANALYSIS, NEW PRODUCT
DEVELOPMENT, THERMAL DESIGN,
TESTING
15+ years of experience

EDUCATION

DREXEL UNIVERSITY
B.S., Mechanical Engineering and
Mechanics

M.S., Mechanical Engineering and
Mechanics

Frank Butch is the Director of Engineering with Sonoco ThermoSafe.

He has over 15 years of experience in finite element analysis, new product development, thermal design, and testing. Mr. Butch has spoken at several conferences and given presentations on temperature controlled packaging design, development, and modeling. He is instrumental in developing the industry's first Temperature Assurance Packaging (TAP) certification program.

Mr. Butch graduated from Drexel University with a Bachelor of Science Degree in Mechanical Engineering and Mechanics with concentrations in Manufacturing and Thermal Fluids. He went on to receive an M.S. in Mechanical Engineering and Mechanics with a concentration in Mechanics also from Drexel University. His work in manufacturing has included many aspects including production, testing, quality and design engineering. He has established production and quality programs in seven different countries including China.

ANDREW HURLEY

ASSISTANT PROFESSOR

Packaging Science, Clemson University

CUshop® DIRECTOR

Consumer Experience Biometric Research
Laboratory, Sonoco Institute of Packaging &
Design Graphics

INTERNATIONAL SPEAKER

Conferences, summits, presentations



ACCOMPLISHMENTS

THE PACKAGING SCHOOL,
Founder and Chief Learning Officer

PACKAGE INSIGHT,
Founder and CTO

INVENTOR
US Patent 8113129

CLEMSON UNIVERSITY
Professor of Record for 7 courses

EDUCATION

MASSACHUSETTS INSTITUTE OF
TECHNOLOGY
Certificate, Entrepreneurship Studies

CLEMSON UNIVERSITY
Ph.D., Rhetorics, Communication and
Information Design

M.S., Packaging Science

B.S., Packaging Science

Dr. R. Andrew Hurley is an Assistant Professor of Packaging Science at Clemson University in the Department of Food, Nutrition, and Packaging Sciences. Dr. Hurley also directs Clemson's CUshop®, a consumer experience biometric research laboratory within the Sonoco Institute of Packaging Design and Graphics.

Dr. Hurley's students have the added benefit of his knowledge and experience in the business world. In addition to his time at Clemson, he is a cofounder and managing officer of two entrepreneurial enterprises. He serves as the CLO (Chief Learning Officer) at The Packaging School, an online learning system focused on providing professionals with accessible packaging tools and education. He also acts as CTO at Package InSight, a packaging design firm that leverages consumer biometrics research to ensure retailmarket viability.

With teaching and research focused primarily on new product and package development, Dr. Hurley helps students and businesses bring big ideas to market. His state-of-the-art eye tracking and packaging design methodologies have generated over 25 peer-reviewed papers, 3 books, and multiple patents.

Dr. Hurley speaks and moderates over a dozen conferences and summits annually, delivers lectures and presentations internationally, and consults with many Fortune 100 firms.