

ASQ Section 305—New Haven

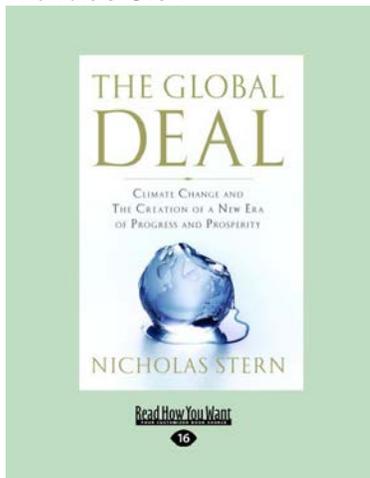
MONTHLY MEMBER NEWSLETTER

MAY 2017 | VOLUME 1, ISSUE 1

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Special Interest Articles

Book Review *The Global Deal: Climate Change and the Creation of a New Era of Progress and Prosperity* by Nicholas Stern



Highlights

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The Global Voice of Quality™

Upcoming Program

BUILDING THE FIRST “STEAMSHIP” IN HISTORY WITH JOHN BUSCH

Historian and author John Laurence Busch will attempt to re-calibrate your mind before showing why the proposition of making the first crossing of the Atlantic Ocean on a "steamship" was met with a mixture of skepticism and fear. (Steam-powered vessels represent the first high technology in history, and the Savannah served as the globalizing trailblazer of this supernatural invention.)

John Laurence Busch is an independent historian who has devoted years of research to discovering the true story of Captain Moses Rogers and the steamship Savannah.

This led him to scour archives and libraries from Portland, Maine to Savannah, Georgia, and across the Atlantic Ocean to the far reaches of Europe, in search of new information on the life and career of Moses Rogers, one of the first steamboat captains in history, as well as the actors and events that resulted in the formation of the Savannah Steam Ship Company, and the construction of the steamship Savannah.

John's careful weaving together of many disparate sources results in a

narrative that recalls both the fabric and style used in storytellings of old. It also shows just what Captain Moses Rogers and the steamship Savannah accomplished for eternity.

MEETING PLACE AND CONTACTS

Date: May10, 2017

Place: Honeywell, Northford , CT

Time: Networking: 5:15;

Dinner: 5:30; Speaker: 6:30

Dinner: Pizza; **Cost:** \$15.00

ONLINE:

WWW.ASQNEWHAVEN.ORG

Jay Krishnamoorthy (203)589-5350 or email: JAYK_2@COMCAST.NET

Bill Folsom: (203) 494-4002 or email:

ASQGUY@GMAIL.COM

DIRECTIONS TO HONEYWELL

From the North: Take I-91S to Exit 12 and turn left onto Washington Ave. After a series of lights take a left onto Clintonville Rd (CT-22) and continue straight for about 2 miles your Honeywell will be on your left at 12 Clintonville Rd, Northford, CT 06472.

From the South: Take I 91N and take Exit 11 for North Haven. Turn right off exit CT-22 E/Bishop St then continue straight thru the light which merges onto Clintonville Rd. Follow the directions above the from the North.

The Global Deal: Climate Change and the Creation of a New Era of Progress and Prosperity by Nicholas Stern

In October 2006, Nicholas Stern, one of the greatest economists and public intellectuals of our day, made headlines around the world with his report, which reviewed the costs and benefits of dealing with global warming. In his book *The Global Deal: Climate Change and the Creation of a New Era of Progress and Prosperity* Stern questions the costs and benefits of dealing with global warming.

In focusing on the economics of climate change, Stern shifts the debate away from cold polar caps with the cold language of the balance sheet. In *The Global Deal*, Stern evaluates our economic future and the essential steps we must take to protect growth and reduce poverty while managing climate change. He is guided by three principles, those of effectiveness, efficiency and fairness. By proposing green technologies, international emissions trading, and financing to halt deforestation, he lays out the technological and economic foundations for new industries by which he believes we can avert a catastrophe.

At the heart of his work is a calculation, which is if the science of climate change is right, the transition costs incurred by switching to low-carbon economy will be a fraction of what we will face by averting disaster. In other words, the cost of doing nothing about global warming would be very high, while the cost of transforming our energy system would be relatively low.

Climate change is a difficult issue for governments to address, as the costs are immediate, while benefits only accrue in the future. While the earth may be in jeopardy and the global financial crisis could distract us from the bigger task of tackling climate change, Stern sees global warming as an opportunity to bring forward investments in low-carbon technologies. In the long-term, these efforts could provide sustainable and well-founded economic growth.

Stern's view shows a brutally dangerous climate change

that lays the technological and economic foundations for new industries. His proposal calls for at least an 80 percent reduction in greenhouse gas emissions from 1990 levels by 2050, based on quantitative emissions targets applicable to developed countries right away and to developing countries by 2020.

The Global Deal evaluates the economic future, and the essential steps we must take to protect growth and reduce poverty while managing climate change. The future Stern outlines is optimistic and pragmatic; he believes we have the capacity and creativity to change. But we must have the guts to protest our political leaders to drive a new global strategy.

With so many of American politicians in control claiming climate change as a hoax is it possible for the masses to override their false rhetoric and move ahead with cooler climate heads? Stern points out if it's all about money there is plenty to be made with fine economic growth favoring alternate energy as we ingeniously save our planet.

All in all I enjoyed the book for its fresh sensitivity to this worldwide problem and scientific facts that support why our current leaders seriously need to rethink our country's future path.

Since we're talking about money, check out *The Ascent of Money*, (2008) by Niall Ferguson, a Scottish historian who gives a history of money from its ancient beginnings to now. He explains the common roots of its power, benefits and losses. As it's dated Ferguson talks about the American housing bubble problem spelling more failure for the future if course correction is left undone. Barring no serious growth drops in the market he said we should be able move smoothly into 2017 at \$12 trillion in debt...Oops I guess that one was a little off.

Larry Spinello,
Section Chair, ASQNHS

March's Program Highlights

LEVERAGING LEAN LOGISTICS TO LEAD IN THE 21ST CENTURY WITH MIKE FORD

Last month Mike Ford from TQM Works Consulting provided us fine insight into leveraging lean logistics. He began by pointing out to us that logistic costs in the USA represent over 8% of GDP, roughly \$1.4 trillion dollars. Being so high it behooves the average business person to pay close attention to how your money flows. He further remarked that how the supply chain works is right in line with capitalism as a “network” demand.

First on his agenda was the Goal of Logistics. He broke it out as managing the flow of material when he cited the 9 R's of the Perfect Order. How we try to create the perfect shipment of the right quality and right quantity of the right item, followed by the perfect delivery meeting the right time and right place to the right person/department. Culminating as the perfect experience with the right price, right documentation and right customer service.

Next he brought up some Barriers to Lean Logistics. He started with customer requests and requirements that are often in themselves barriers for lot size production. He talked about how Lean manufacturing is an opportunity to do better. He told us not to construe old adages as “we're special” or “that doesn't work here” and be open to new ideas. This goes along with metrics as well where we must try to work outside the box. He gave us some examples of Traditional Dysfunctional Metrics like Cube Utilization, Purchase Price Variance (PPV), Pick Rate, Beating the Forecast, and Focus on Financials (v. customer service and/or quality).

He then spoke to us about Lean Warehousing, like “Dock to Stock” where receiving inspection is not needed and “Dock to Dock” which excludes inventory distribution control. He talked about “Drop and Hook”, where truck drivers just drop off their trailer with no unload, hooking up the next one going out. He spoke of “Drop-Ship”, where the product is shipped right from the supplier to the customer, and lastly “Virtual Warehousing”, where websites control your warehouse activities.

From there he talked about Lean Trade-offs. He spoke about the overarching dilemmas of Local vs Far way Suppliers. If done right a shorter distant supply chain can reduce costs. Offshoring may bring a low price for supplies, however when transportation and import fees are counted, you may be better off staying local especially on returning supplies for discrepancies. He told us as tradeoffs go, Lean favors smaller lots and smaller lots translate to more deliveries. He stated some other concerns like Conflicting Objectives: operations efficiency, low inventory investment, and high customer service. We must try to minimize conflicts and rationalize our product lines.

Next he addressed Lean Material Handling and Storing such as Lean Warehouse Design in the classic inventory model with defined put-away and pick isles to maximize flow. He remarked that Location Scheme could share some variety with Fixed vs Random vs Zones which is a matter of item appreciation. He talked about Barcode and RFID technology regarding how it has made our world easier but only as good as how accurately these processes are performed. He mentioned ASRS (Automated Storage and Retrieval System) which consists of a variety of computer-controlled systems for automatically placing and retrieving loads.

He then discussed the Design for Logistics that starts with the initial point of a new product concept for Design for Procurement, Design for Manufacture & Assembly, Design for Quality, Design for Safety, Design for Transport, Design for Warehousing, and lastly Design for Reverse Logistics.

The final topic on his agenda was “Sustainability via Reverse Logistics” where he discussed the reverse logistics hierarchy: Reduce, Reuse, Recycle, Recover, and Responsible Disposal.

Overall Mike gave a charming presentation filled with a great deal of audience participation and interesting commentary. We hope to see him again in future meetings with ASQ.



Membership Update

WELCOME NEW MEMBERS!

NELLY ANGAH
ROBERTO BALLESTER
DANA BOCHAN
MICHAEL BRADSHAW
HARRY E. BROOKS
ROB BROPHY
ANTHONY CAVALLARO
DAVID CHABER
MARK CRAWFORD
SHIVANI DESAI
JENNIFER E. DESMARAIS
LINA FRAZER
SCOTT HAEFFNER
TANIA HINDS
JO-ANN HUTCHINSON
BRIAN JONES
AJITH KUMAR ALLAM
DAVID LONG
WILLIAM LOCASCIO
JOHN MALEK
MICHELLE A. MALONE
LYNN MATHEWS-FROEHLICH
DAVID MICHAELS

J DEBRA MRAZ
JEAN NDJOMOU
ADITYA OZARKAR
RYAN O'CONNOR
JOHN H. PIZZONIA
KEITH PORTER
JASON ROMAN
ROCIO SANTANA VILLA
J DEANNA SCIACCA
JUSTIN SCHLAUDER
RICHARD G. STINE
STACY ST. JOHN
ANDREW STILLSON
NINAD TAMBE
RICHARD TOMER
AMBER WELLS
ELIZABETH WONG
KYLE ZUKAUSKAS

OUR MISSION STATEMENT

*PROVIDE
COMMUNICATION,
NETWORKING, AND
DEVELOPMENT
OPPORTUNITIES
TO SUPPORT
KNOWLEDGE,
SKILLS AND
ABILITIES IN
QUALITY
PRINCIPLES AND
CONCEPTS.*



Program Schedule 2016-2017

DATE	TOPIC	SPEAKER/ FACILITATOR	PLACE	COMMENTS
17-MAY 10	BUILDING THE FIRST "STEAMSHIP" IN HISTORY	JOHN BUSCH	HONEYWELL NORTHFORD CT	JOINT WITH APICS AND ISTM-CT

Attendee Gifts!!

This month's ASQ New Haven attendee gift will be the ASQ logo Pen, a real helpful implement for home and at work to assist each day of your Quality conscious life. We hope this gift choice will be appreciated by all.



TO SEE ALL OF JOHN BUSCH'S BOOK REVIEWS PLEASE GO TO

WWW.STEAMCOFFIN.COM

Job Opportunities

QUALITY ENGINEER WANTED:

QUALIFICATIONS: The candidate must have experience developing quality systems for small precision manufactured components. Must have excellent verbal and written communication skill.

ADDITIONAL ATTRIBUTES/CAPABILITIES:

- Must be a US Citizen due to government contracts.
- Develops, implements, manages and integrates a Quality Management System.
- Initiates and implements quality improvement activities as appropriate to raise the performance of the company's products and processes.
- Help to train employees.
- Serves as a quality control resource for problem identification, resolution, loss reporting and continuous improvement.
- Supports engineering efforts by participating in development projects.
- Designs, implements and documents procedures.
- Establishes and implements metrics for monitoring system effectiveness.
- Performs root-cause analysis and other problem solving activities to identify effective corrective actions and process improvements.
- Develops quality planning methods.
- Develops process certification standards and assist in process certification.
- Reviews customers purchase orders, contracts and change requests and ensure that the necessary criteria and provisions are included in quality and process plans.
- Oversees calibration and testing programs.
- Reports to management on quality issues, trends and losses.
- Participates in internal and external quality audits.
- Interfaces with supplier and customer quality representatives concerning quality problems and assure that effective corrective action is implemented.
- Experienced to handle all ISO Audit and upgrades with minimum direct oversight.
- Leads process quality improvements (working with Process Engineering) through the development and implementation of process controls, sampling systems, and SPC. Develops statistical process control systems. Capable of preparing customer PPAP needs.
- Periodic reviews of FMEA and Control Plans to ensure Risk Management and Process Controls are embedded in the manufacturing processes.
- Bachelor's degree in mechanical engineering, electrical engineering, manufacturing engineering or business administration, or equivalent number of years of experience.
- Ten (10) years of experience in QA systems implementation and management.

RESPOND TO: Ditron Inc.,

Fax: 1-845-227-2872

E-mail: humanresources@ditroninc.com



RELIABILITY ENGINEER WANTED

Job Code/Title: E1592: Reliability Engineer (Req ID: 378657BR)

Job Description: The Sikorsky Aircraft Reliability & Maintainability (R&M) group is looking for an experienced Engineer to provide technical support for the S92 and S76 Helicopter programs. The successful candidate will be responsible for planning and implementing R&M program tasks to ensure design integrity and safety requirements are in alignment with program and customer expectations. The individual will work as a member of an Integrated Product Team to influence design, manage root cause failure analysis and corrective action activities, quantify / assess R&M field performance, prepare Failure Mode Effects and Criticality Analysis (FMECA) and Fault Tree Analysis (FTA) in support of safety investigations, track Reliability Growth, prepare Maintainability Timeline evaluations, assessing Direct Maintenance Costs (DMC) impacts, and support product improvement proposal activities.

Basic Qualifications:

- Experience in interpreting operation sheet instructions, engineering drawings and specifications as well as familiarity with Aircraft Certification requirements related to System Safety is preferred.
- Knowledge of aircraft and maintenance informational databases as well as technical manuals and maintenance procedures is also preferred.
- As necessary, proposes design, process and/or maintenance plan changes to improve system Reliability & Maintainability and DMC attributes.
- A course of study with emphasis on numerical analysis and statistics, with knowledge of aeronautical systems, is desired.
- Excellent oral and written communication skills and experience with MS Office are required.

- Co-op or Intern experience in appropriate technical field will be given special consideration.
- Must be a US citizen or Green Card holder.
- Ability to obtain Secret security clearance is desired, but is not a requirement.
- Typical Minimums: Bachelor's degree from an accredited college in a related discipline, or equivalent experience/combined education, with 2 years of professional experience; or no experience required with a related Master's degree. Considered experienced, but still a learner.
- Desired skills: Knowledge and experience with statistical concepts and analysis.
- Experience with reliability FRACAS (Failure Reporting, Analysis, and Corrective Action System) and data mining.
- Strong interpersonal skills and ability to build effective working relationships
- Excellent oral and written communication skills and an ability to perform oral presentations in front of large groups.

Abstract Points:

Security Clearance: None

LMCareers Business Unit: ESS6500 RMS

Business Area: Rotary and Mission Systems

Program: S92 / S76

Dept: 4650CSM:SAS Eng Commercial (CT)

Reports To Manager: William Nesbitt

Recruiter: Christian Zola

Job Class: Aeronautical Engineering

Level/Grade: E2H

Rate Range: 61100 - 101800

Job Category: Experienced Professional

Work Location: 116 Quarry Rd, Trumbull, CT

Relocation/Housing Stipend Available: Possible

Req Type: Full-Time

Shift: First

EEO: Lockheed Martin is an Equal

Opportunity/Affirmative Action Employer.

https://lmpeople.lmco.com/functions/apply_for_job/apply_for_job.aspx



SECTION LEADERSHIP COMMITTEE

Section Chair and Newsletter Chair:

Lawrence Spinello (203) 248-4085

Vice Chair: Diego Dussan (203) 648-7583

NEQC Rep, Treasurer, Nominating and Past Chair DRD:

Bill Folsom (203) 494-4002

Audit and Placement Chair:

Gene Contardi (203) 795-6914

Secretary and Membership Chair:

Suzette Herrick (774) 239-6743

Web Chair, Programs

and Education Chair:

Jay Krishnamoorthy (203) 589-5350

Certification

Frank Tyszka and Art Bystryk

ASQ NHS BOARD MEMBER REQUEST

We are looking for ASQ members to join our Section Leadership Board. Our current openings are

Programs Chair: Tasks for this position would be to ensure that section meetings and/or programs occur regularly. Determine focus of section meetings and programs. Solicit speakers to match topics and setup the arrangements, if applicable, to coordinate speaker needs. Work with newsletter editor to publish events in a timely manner. Attend SLC meetings and general membership meetings. As many of our meetings these past few years have been shared with APICS, ISTM and our Southern Section ASQ, finding speakers and great topic ideas have been a team effort. ASQ Board also plans to work with the new Programs chair on a variety of approaches for help.

Web Chair: Develop and maintain a continuous reliable source for section information via the Internet. Maintain section's mini web page on www.asq.org, including all information and links to any external section website. See more details on our webpage

