

# QUALITY CONNECTIONS

## Message From the Chair

Dear Members,

As always, I hope this newsletter find you well.

This month's meeting will be held on October 22<sup>nd</sup> at Adelphia's in Deptford. The speaker is our very own Tom Mudge. Tom has been a member of our Executive Leadership Team for quite a few years now and lends a hand wherever/whenever needed. He is currently the Quality Manager for Nuclear Projects at URS Washington Division's headquarters in Princeton, NJ and will be speaking about quality initiatives in the nuclear industry. Please come and join us for this interesting discussion and remember that dinner is **FREE** for our new members.

Your executive board is hard at work preparing the Fall and Winter program schedule and would like to hear from you. Please let us know of any ideas or interests you might have for upcoming meetings. There are still available times for new and exciting topics.

Hopefully you have taken notice of our employment sections on the website. There are places to post both resumes and employment opportunities. If you have a job listing or resume posting, please feel free to email it to Tom Mudge at [tom.mudge@wgint.com](mailto:tom.mudge@wgint.com) and he will take care of it for you.

Also, there are still openings on the Leadership Team. We are still looking for a Program Chair, an Education Chair and a Chair Elect. If you are interested in joining the Leadership Team and/or are interested in any of these positions, please contact me or anyone of the team members listed in this newsletter.

See you at the October meeting,

*Pam Thompson*

## WELCOME TO OUR NEW MEMBERS

The following new ASQ members joined the Southern Jersey Section during the Summer months. As part of our Section's policy, the Executive Board would like to invite these new members to join us at the October Section Meeting. You'll have an opportunity to network with your colleagues – and your Dinner is **FREE**.

*Chris Wadja*

*Anne Wilkinson*

*Linda Hoover*

*Jeffrey Black*

*Nancy Costello*

*Kaustubh Gavaskar*

*Howard Loveless*

## ASQ Southern Jersey Section Dinner Meeting

- DATE**                    **Wednesday October 22, 2008**
- TIME**                    6:00 PM    Networking  
6:30 PM    Dinner  
7:30 PM    Presentation
- LOCATION:**            ***Adelphia Restaurant***  
1750 Clements Bridge Road (Across from the Deptford Mall)  
Deptford, NJ
- DINNER**                Choice of Veal Marsala, Gilled Salmon or Chicken Piccante
- RESERVATION:**    If you plan to attend, please advise Tom Mudge at 609-720-2539 or [tom.mudge@wgint.com](mailto:tom.mudge@wgint.com) by **Friday October 17, 2008**. Please provide dinner selection when responding.
- COST:**                    **\$15.00**
- TOPIC:**                **Nuclear Industry Quality Assurance Initiatives** – industry observers believe that anticipate that between 20 and 30 new nuclear plants will be built within the next ten to fifteen years. Pennsylvania Power & Light has filed an application for constructing a new plant near Berwick, PA and Public Service Electric & Gas has also expressed interest in another plant near Salem, NJ. This presentation will discuss the current industry initiatives, challenges and opportunities for individuals and companies wishing to participate in pending boom in the nuclear power design and construction industry.
- SPEAKER:**            **Tom Mudge** is currently the Quality Manager for Nuclear Projects at URS Washington Division's headquarters in Princeton, NJ. He is a Past Chair of ASQ's Southern Jersey Section, Past Chair of ASQ's Design and Construction Division and is a member of the Nuclear Energy Institute's QA Task Force for New Power Plants.

## NEWS RELEASE

**In Brief:** *In a semester-long project, middle school students from across the U.S. use engineering principles to design and build cities of the future with a focus on self-sufficient water systems. Regional competition winners travel to Washington, D.C. to vie for the grand prize, a week at Space Camp.*

### **It's All About Water as Middle School Students Focus on Conservation, Reuse and Self-Sufficient Systems in Future City Competition**

Nobody can doubt the importance of water and water resources in our world, whether it be clean drinking water or water as a resource for sanitation, irrigation, or fire protection. But as our cities grow and expand, what can be done to conserve and reuse such a valuable resource? Beginning this fall, thousands of middle school students will tackle that specific question in the 2009 **National Engineers Week Future City Competition™**.

Sponsored by the nation's professional engineering community, Future City aims to stir interest in science, technology, math and engineering among young people. Students work in teams under the guidance of a teacher and a volunteer engineer mentor to design and build a city of tomorrow. They must also conduct research for an essay on a pressing social need. This year, the essay centers on ways to improve water use by creating a home system that minimizes the use of municipal or externally supplied water for its daily requirements.

Future City Competitions will be held in January 2009 in 40 regions across the country. First-place winners from each qualifying regional competition receive an all-expense-paid trip to the 17th annual Future City National Finals in Washington, D.C., February 16-18, 2009 during National Engineers Week. National grand prize is a trip to U.S. Space Camp in Huntsville, Alabama. More than 30,000 students from 1,100 middle schools are expected to participate nationwide.

In Future City, the nation's largest engineering education program and among the most popular, students create cities on computers using the *SimCity 4 Deluxe* software and then build three-dimensional, tabletop models to scale. To ensure a level playing field, models must use recycled materials and can cost no more than \$100 to build. Students also write brief abstracts describing their city and must present and defend their designs at the competition before a panel of engineer judges who test the depth of the teams' knowledge.

That knowledge is often extensive, as shown by the essays which require 7th- and 8th-graders to explore complex challenges and ideas that most adults would consider over their heads. This year's topic, "Creating a Self Sufficient System Within the Home Which Conserves, Recycles and Reuses Existing Water Sources," should prove particularly fruitful in producing the possible new solutions of the future.

Engineers and researchers understand that developing a home that is self-sustaining and self-sufficient in its water use will be necessary in the future. The essays must describe a home outfitted with existing technologies for improving water use in the home, as well as incorporate new technologies, of the students' invention, that will either provide a new source of renewable water supply, recycle water within the home, purify the water, or lower the overall water usage of the home. In addition, the system should also seek potential ways to contribute water back to the municipality or water source.

Solving a problem with such global implications as water conservation is certainly no easy task, as many of the engineers, scientists and researchers currently working on such issues can confirm. So then why place that same task into the hands of middle schoolers?

"Every year we present these kids with really tough, really pressing engineering issues and they continually astound us with their knowledge, ideas, and solutions for the future," says Bill Knight, Future City National Program Manager. "I think we sometimes feel more like the students by the time we see what all these kids can do!"

But of course the adults aren't the only ones learning. "The program inspires a respect for the role science, engineering, technology and math play in solving many of the pressing global and social needs we are all facing. And it helps possibly lay the foundation for many of them to pursue a career in these areas, something they might never have considered before," says Kathryn Gray, P.E., National Engineers Week 2009 chair at the National Society of Professional Engineers.

School deadline for the 2009 Future City Competition is October 20, 2008. For more information on entering or volunteering in the Future City Competition, visit [www.futurecity.org](http://www.futurecity.org), or call 1-877-636-9578. Any and all interested schools, teachers, students or engineers are encouraged to participate.

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## About Engineers Week

The National Engineers Week Foundation, a formal coalition of more than 100 professional societies, major corporations and government agencies, is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. Engineers Week also raises public understanding and appreciation of engineers' contributions to society. Founded in 1951, it is among the oldest of America's professional outreach efforts. Co-chairs for 2009 are Intel Corporation and the National Society of Professional Engineers. For more information, visit [www.eweek.org](http://www.eweek.org).

## CONTACT

Bill Knight, 703/684-2889

[bknight@futurecity.org](mailto:bknight@futurecity.org)

## FALL 2008 PROGRAM SCHEDULE

<i>DATE</i>	<i>TOPIC</i>	<i>SPEAKER</i>	<i>LOCATION</i>
<b>NOV. 12, 2008 (Wednesday)</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>

## Results of Section's Financial Audit

The ASQ's Section Operating Agreement requires that the annual financial statement be made available to the Section membership. Accordingly, a summary of the statement that was recently submitted to Milwaukee is provided below. Anyone with a question or comment concerning this matter may contact any member of the Section Executive Board listed on page 6.

**Balance for Year ending 6/30/07** **\$11,399.55**

**Revenue for year ending 6/30/08**

Membership Dues	\$2,097.00
Cash taken at Dinner Meetings	\$345.00
Certification fees	
Donations	\$300.00
Interest	\$109.92
Miscellaneous	\$15.00

**Total Revenue for Year** **\$2,866.92**

**Expenses for Year ending 6/30/08**

Postage	\$11.17
Bank Services/Fees	\$116.00
Miscellaneous	\$30.00
Web Server fees (annual fee)	\$119.40
Dinners	\$4,957.59
Awards/Gifts/Prizes	\$272.00
Donations/Sponsorships	\$500.00

**Total Expenses for Year** **\$6,006.16**

**Balance for Year ending 6/30/08** **\$8,260.31**

## Call For Volunteers

As shown on page 7, the Section has several openings on the Executive Committee. If you're interested in getting involved with section leadership activities, please contact anyone on the Executive Committee listed on page 7. Leadership training is periodically offered to enhance your management skills that will assist in career growth.

## Employment Opportunities

**Company:** IntraPac (Swedesboro), Inc.  
**Location:** Swedesboro, NJ  
**Employee Type:** Full Time  
**Industry:** Manufacturing Laminate Tubes - Injection Molding  
**Required Education:** B.S. in Engineering  
**Position:** Quality Engineer

**Description:** We are looking for an energetic Quality Engineer to succeed in a high productivity manufacturing environment.

### Responsibilities:

- Respond to customer quality complaints, internal quality issues, and supplier quality issues.
- Perform root cause analysis, identify and implement corrective and preventive actions.
- Participate / Lead Continuous Improvement projects.
- Participate / Lead Cost Reduction initiatives.
- Develop PFMEA's and Control Plans.
- Analyze manufacturing data, process capabilities, and SPC
- Perform Internal Audits.

### Requirements:

- B.S. in Mechanical or Industrial Engineering
- Experience in statistical methods and tools including SPC, DFMEA, DOE, process capability, root cause analysis,
- Six Sigma certification a plus
- ASQ Certified Quality Engineer a plus
- Lean Manufacturing experience a plus

Qualified candidates should respond to Dawn Mason at 856-467-0485 X264 or [dmason@intrapacgroup.com](mailto:dmason@intrapacgroup.com)

## ***EMPLOYMENT SERVICES***

***Are you trying to fill an opening in your QA/QC group?***

One of the most important services that we can provide to our members is assistance in finding employment, especially in today's economy when a lot of companies are downsizing. If your company is looking for quality professionals, please provide the pertinent information to **Mike McCarroll** and we'll post it on our web page at **NO CHARGE**. Although we'll also include the information in our next newsletter, the web page information will be posted almost immediately.

Check our website <http://www.southjerseyasq.org/> for the most current listings.

## ***EXECUTIVE BOARD FOR 2008 - 2009***

A complete listing of the Section's Executive Board for 2008 – 2009 is provided below. Individuals interested in getting involved with Section Leadership activities may contact anyone on the Executive Board. The term of the Executive Board runs until June 30, 2009.

<b>Position</b>	<b>Name</b>	<b>Telephone</b>	<b>E-mail</b>
Section Chairman	Pam Thompson	856-969-7222	<a href="mailto:Pamela.thompson@pinnaclefoddscorp.com">Pamela.thompson@pinnaclefoddscorp.com</a>
Chair-Elect	<b>OPEN</b>		
Secretary	Carl Keller	856-205-1131	<a href="mailto:ckeller@serenips.com">ckeller@serenips.com</a>
Treasurer	Maureen Carrozza	215-451-8453	<a href="mailto:Mcarrozza320@comcast.net">Mcarrozza320@comcast.net</a>
Membership Chair	Sharry Masarek	856-489-9453	<a href="mailto:smasarek@transcat.com">smasarek@transcat.com</a>
Past Chair	Francois Thery	856-327-4800 X4147	<a href="mailto:francois.thery@arc-intl.com">francois.thery@arc-intl.com</a>
Program Chair	<b>OPEN</b>		
Auditing Chair	David Cranston	856-224-1120	<a href="mailto:davecranston@hpsseals.com">davecranston@hpsseals.com</a>
Examining Chair	Mary Dodds	856-327-1540 X5280	<a href="mailto:Mary.dodds@alcan.com">Mary.dodds@alcan.com</a>
Education Chair	<b>OPEN</b>		
Re-certification Chair	Lisa Randolph	856-753-8533 X204	<a href="mailto:lrandolph@EPMedSystems.com">lrandolph@EPMedSystems.com</a>
Internet Liaison	Earl Ward	610-670-3553	<a href="mailto:calibrationdude@gmail.com">calibrationdude@gmail.com</a>
Newsletter Editor	Tom Mudge	609-720-2539	<a href="mailto:Tom.mudge@wgint.com">Tom.mudge@wgint.com</a>
Area Director (AC)	Dorothy Smolen	609-569-9255	<a href="mailto:Smolend@enroute-computer.com">Smolend@enroute-computer.com</a>
QMP	Carl Keller	856-205-1131	<a href="mailto:ckeller@serenips.com">ckeller@serenips.com</a>
Placement Chair	Mike McCarroll	609-499-7188	<a href="mailto:mmccarroll@griffinpipe.com">mmccarroll@griffinpipe.com</a>
Historian	Michele Bradbury	856-339-3385	<a href="mailto:Michele.Bradbury@pseg.com">Michele.Bradbury@pseg.com</a>

***Volunteer contact information is posted solely for the use of those individuals wishing to contact a section leader for more information about this section, ASQ, its programs, and/or services. Use of volunteer contact information for solicitation purposes is prohibited.***