

July 2009

Joint Societies Newsletter—July 2009



Web calendar - www.ascenorfolk.org

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Come out and enjoy a fun filled evening of baseball, hamburgers, hot dogs, potato salad, chips, cookies, watermelon, soda, coffee, and beer.

Plus— It is the 13th Annual Mascot Mania & Rip Tide's Sweet 16 Birthday Party!!!

Order your tickets today!

- \$10 / members
- \$15 / non-members
- \$10 / children

Ticket price includes game ticket, picnic and 2 beers

<http://tidesevent.eventbrite.com>

Norfolk Tides v. Charlotte Knights July 16, 2009

Game Starts @ 7:15 pm
(picnic starts @ 7:30 pm)

For more information contact Stephanie Kunze, skunze@rkk.com or Colleen Wells, cwells@clarknexsen.com.

There will be no Joint Society Luncheon this month.

Announcements

Younger Member Employer Recognition Award

The ASCE Committee on Younger Members (CYM) is **seeking nominations** for the 2009 Younger Member Employer Recognition Award.

The Employer Recognition Award was created to recognize employers who support young engineers and assist with their personal development. CYM also awards two Superior Employer Recognition Awards (one public, one private) to the nominees who best display exemplary support of young engineers in their organizations. A list of winning organizations will be submitted for publication in ASCE News and included in the Younger Member Newsletter.

Nominations must be postmarked by **August 1, 2009**. The nomination form, which describes the award in detail, is attached. The form is also available for download as a Microsoft Word document on the CYM Awards page:

<http://www.asce.org/files/doc/pressroom/honors/2009EmployerRecognitionApplication.doc>

Have Something to Announce?

If you have an **announcement, article, event, or job opening** to place in the monthly **Joint Societies Newsletter**, send your text and images to Thuruthy@pbworld.com.



Career Opportunities for...

Civil/Environmental Engineers



Clark Nexsen: Seeking an electrical engineer with 3-5 years experience for Norfolk Office. [For more information, see page 10.](#)



Greeley and Hansen: Seeking Engineers and Interns for Richmond, Norfolk, and Springfield offices. [For more details, see page 7.](#)



Naval Facilities Engineering Command: Seeking entry level and experienced Civil Engineers at NAVFAC Atlantic and NAVFAC Mid-Atlantic offices in Norfolk. [For more details, see page 10.](#)

Structural Engineers

Sinclair Pratt Cameron, P.C.

Looking for an experienced structural engineer in Virginia Beach. [For details, see page 7.](#)



Seeking entry level and experienced Structural Engineers at NAVFAC Atlantic and NAVFAC Mid-Atlantic offices in Norfolk. [See page 10 for details.](#)



Clark Nexsen: Seeking a structural engineer with minimum of 5 years bridge experience. [See page 10 for more information.](#)



Stroud, Pence & Associates, Ltd. is seeking structural engineers in Virginia Beach. [See details on page 9.](#)

Other Career Opportunities



Recruiting in Operations and Engineering Departments for the following positions:

- Instrumentation Manager
- Electrical Manager
- Interceptor Engineer
- Wastewater Treatment Plant Manager
- Interceptor Engineer

[For more information, see page 7.](#)

Rolls Royce Naval Marine, Inc.

Recruiting Supportability Engineering Techs for their Walpole, MA facility. [Get more information on page 8.](#)

PCS, Inc.—Professional Consulting Services

Seeking Systems Engineers of all experience levels to assist with Lockheed Martin's Missile and Fire Control Group in Orlando, FL. [Find more details on page 9.](#)



Seeking entry level and experienced Electrical Engineers, Mechanical Engineers, Architects, Project Managers and Cost Engineers/Technicians at NAVFAC Atlantic and NAVFAC Mid-Atlantic offices in Norfolk. [See page 10 to learn more.](#)

Career Opportunities

Civil/Environmental Engineer

Greeley and Hansen an environmental engineering firm specializing in water and wastewater is seeking Civil/ Environmental Engineers and Interns in our Norfolk, Richmond and Springfield offices.

Ideal candidates should possess a B.S. degree in civil/environmental engineering or related field. Interest in studies and design of water and wastewater treatment for major municipal projects required. Exceptional communication skills along with proficiency with Microsoft Office necessary. M.S. in civil or environmental engineering, AutoCAD, GIS and EIT preferred.

Interested candidates should complete an on-line application at: www.greeley-hansen.com e-mail: careers@greeley-hansen.com
fax: (312) 558-1006 Or, call Mark Gibboney at (312) 578-2330

Greeley and Hansen is an affirmative action/equal opportunity employer.



GREELEY AND HANSEN

ENGINEERS

Innovative, dynamic and progressive are just a few words to describe Hampton Roads Sanitation District. If you're seeking a great place to work, your search is over. Come grow with us! Our core mission is to prevent pollution and protect public health. If you share this vision and want to make a difference, you should be working here. We offer some of the best benefits and one of the most generous compensation packages in the region.

Our organization helps address some of the environmental issues facing our region. Some of these challenges include managing in the areas of: the Regional Hydraulic Model, Plan, Design, and Construction of Capital Improvement Projects, Instrumentation to include DCS programmers, Sanitary Sewer Overflow reduction and the Electrical function in Hampton Roads.

If you're up for the challenge, we are currently recruiting in our Operations and Engineering Departments for the following positions:

Instrumentation Manager
Electrical Manager
Interceptor Engineer
Wastewater Treatment Plant Manager
Interceptor Engineer



All positions require a BS degree (see job description for specific areas of knowledge) and some require a PE License to be fully qualified. Salary range depending on qualifications is \$52,681-\$96,312. Selected candidates must pass pre-employment drug screening and background check. Applicants may obtain an application, complete job description, and detailed benefit information at www.hrsd.com or call 757-460-7305 for a recording on how to receive an application packet. Applications will be accepted until the positions are filled. EOE.

Sinclair Pratt Cameron, P.C. is looking for an experienced structural engineer to join our staff.

Qualifications:

The ideal candidate for this position should possess the following qualifications or have the desire & ability to readily acquire them as necessary:

- * Professional Engineering license preferred (if certified in a state other than Virginia, licensing in our state would be required after a minimal period of time)
- * 5 years (minimum) of building industry structural experience
- * thorough knowledge of construction documents, techniques, sequences & building codes
- * ability to conduct project management from inception through completion: proposal evaluation, fee estimation, preparation of construction documents to meet deadlines, specifications, markups/communication with CAD personnel, multi-discipline coordination, requests for information, checking/review of shop drawings, & issuing addenda
- * familiarity with AutoCAD (any version, but we use v2008)
- * familiarity with structural software design & analysis programs for design of superstructures, substructures, & foundations (Ramsteel & Enecalc preferred but not required)
- * perform on-site inspections of projects to include: inspection of damaged facilities, evaluation and/or meetings for ongoing projects, & evaluation of existing structures for expansion

About us: Established in 1985, Sinclair Pratt Cameron, P.C. has contributed to the community for over 20 years as a knowledgeable & experienced consulting structural engineering firm. Our work has included multi-story offices, warehousing & manufacturing facilities, medical & sports facilities, large & small shopping centers, churches, schools, cofferdams, bulkheads, parking garages, multi-family complexes, single family homes, and stateside/overseas military facilities.

Location: We are located in the Hilltop area of Virginia Beach, Virginia, about 4 miles from the oceanfront area and about 1/4 mile from interstate 264 for easy access to everything.

Benefits: Sinclair Pratt Cameron offers very competitive salaries & a complete benefits package that includes: * pleasant working environment * paid medical insurance * medical cost reimbursement allowance * dental insurance (available) * 401k retirement plan with matching company contribution * paid vacation * paid holidays * sick pay * business casual Fridays * summer work schedule (1/2 day Fridays)

Starting salaries are commensurate with experience & abilities, but will grow as fast as your worth to the team grows.

Interested??

We look forward to hearing from you.

Please send your resume to: greatjob@spc-eng.com

Career Opportunities, continued

Rolls-Royce Naval Marine Inc. is recruiting Supportability Engineering Techs for their Walpole, MA facility.

Rolls-Royce Naval Marine Inc. is committed to the marine market and maintaining its world leading position in the design, development, supply and support of products and systems for commercial and naval customers worldwide. With a primary focus on power, propulsion and motion control solutions, Rolls-Royce serves over 2,000 customers and has equipment installed on 20,000 commercial and naval vessels operating around the world.

To be considered for this excellent opportunity with Rolls-Royce, please send your Word resume and salary requirements to:

Michelle Trant, Director of Sales & Recruiting, Relick Services—763.420.6346—mtrant@relickservices.com—www.relickservices.com

Project Responsibilities

The Supportability Engineer shall, as delegated by the ILS Manager carry out, or assist in the execution of, the following tasks:

- Prepare and submit an Integrated Support Plan, Logistics Support Analysis Plan, and ILS Review Plan.
- Prepare for and attend ILS review meetings, both internal and customer. Prepare detailed minutes and actions.
- Submit ILS Program Status Reports (PSR).
- Undertake LSA tasks tailored to suit the individual system and equipment needs of the Program and implement an LSA program in accordance with the agreed LSAP.
- Review the development of the Project Logistic Control Number (LCN) structure, for compliance with specified standard as required by the project.
- Establish a process for incorporating (assess, cost, implement and prove) design improvements or updates.
- Undertake regular formal reviews of supportability and supportability related design contract requirements as an integral part of each system and sub-system program.
- Review all related studies and reports related to Supportability.
- Perform sensitivity analyses to determine the variables for each design alternative to identify the supportability, cost and readiness drivers, together with any identified risk associated with advancing technology. The supportability, cost and readiness objectives shall be continuously monitored and updated.
- Make maximum cost-effective use of RCM to reduce the requirement for upkeep and maintenance. Ensure RCM implemented and utilized cost-effectively, the RCM Guidance Conferences, RCM Reviews and review of RCM results. Review sub-contractors Trade Off Results at ILS Reviews.
- Review the Level of Repair Analysis (LORA) conducted to date. Any deficiencies identified will be embodied in the ongoing analysis.
- Collate and store for future reference information on R&M performance of equipment fed back from the fleet, dockyards, repair yards and other sources.
- Review any plans created to date whose purpose is to establish a means of monitoring performance assessment, to include specific RMA targets and overall effectiveness of the equipment design. Establish a means of monitoring performance assessment, to include specific RMA targets and overall effectiveness of the submarine design. Plan, organize and undertake supportability demonstrations.
- Establish a procedure for the management of defects reported or revealed during routine maintenance, to include effective information transfer, logging and traceability of solutions.
- Prepare and submit a Reliability and Maintainability (R&M) Program Plan and assist in developing associated deliverables, reports and data mining.
- Assist in the derivation of Functional MTBF and MTTF parameters from the equipment and system MTBF and MTTF parameters and the Reliability Block Diagram relevant to the function using analytical methods.
- Assist in the determination and demonstration of logistic delay times and the availability of the maintainer to undertake Corrective Maintenance work in conjunction with the Human Factors and ILS requirements.

Position Requirements

Basic:

- Bachelor's degree in Engineering field and 1+ years experience in Integrated Logistics Support and/or DoD ILS Standards.
- In lieu of BS/BE, Associate's degree in Engineering field and 3+ years experience in Integrated Logistics Support and/or DoD ILS Standards.
- In lieu of Associate's degree, H.S. Diploma required and 5+ years experience in Integrated Logistics Support and/or DoD ILS Standards.
- Experience with (Mil-Prf-49506; Mil Stds 1388, 1629A, 24534A; Mil-Hdbks 217, 470 and 472).
- Experience with Microsoft Word, Excel and/or RMA computer models (Relax or Isograph).
- U.S. citizenship required.

Preferred:

- Commercial and contract experience in the marine industry.
- Experience in configuration management for major projects and minor modification programs.
- Demonstrated ability to work well with others in a team environment. Ability to communicate effectively with all levels of customer and internal management.

Position Relocation Eligible

Yes

Career Opportunities, continued

Large Aerospace Firm-Florida-Needs Engineers Now

PCS, Inc. – Professional Consulting Services is assisting **Lockheed Martin's Missile and Fire Control Group** Orlando in finding and hiring **Systems Engineers**. We have **over 20 open positions** to fill ranging in levels from 0 years experience with a Masters Degree to 18 years experience. Must be US Citizen. Previous work with a defense contractor preferred.

Standard Job Description: Performs technical planning, systems integration, verification and validation, cost and risk, and supportability and effective analyses for total systems. Analyses are performed at all levels of total systems product to include: concept, design, fabrication, test, installation, operation, maintenance and disposal. Ensure the logical and systematic conversation of customer or product requirements into total systems solutions that acknowledge technical, schedule and cost restraints. Perform functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies to translate customer requirements into hardware and software specifications.

Below is a sample list of required Skills for the numerous open positions.

- Candidate will be familiar with IRAD processes, EVMS, demonstrate customer interaction and concept development for urban warfare.
- EO systems design, optics, SWIR, Lasers and laser illumination. Strong background in theory and hands-on hardware/lab experience. Experience in electro optics design & performance analysis, failure cause testing and imagination for advanced optics and sensor concepts and implementation.
- Develop and refine targeting algorithms for Common EO Sensor program. Refine tracking algorithms that must operate in inertial and local coordinate frames. Develop requirements based on simulation results.
- Systems Architecture Development, Design Review Facilitation, requirements analysis and flow-down, write subsystem and subcontractor specifications, generate VCRMs for JAGM Technology Development Program. Computer skills – DOORS, Excel, Word, PowerPoint
- Anti-Tamper Manager: Lead small team of system security engineers focused on Anti-Tamper (AT) and Information Assurance (IA). Support LMMFC programs by providing guidance, system security services and labor, AT process and process control, and AT techniques and technologies. Strong multi-tasking skills.
- Laser Engineer with substantial education and hands-on experience with Femtosecond class lasers. Tasks will include design, analysis, integration, test and demonstrations of Femtosecond lasers and their application in a variety of missions. Familiarity with all aspects of the lasers and optics is a must.
- Systems Engineer will establish and maintain DOORS database for Requirements documents, analyses and specs – establishing parent-child relationship for spec flow-down. Work in collaborative environment with others. Engineering disciplines to capture lower level requirements documents and ensure DRS generation is complete and accurate – leaving no orphan requirements.
- Responsible for performing various EO/IR system modeling and analysis tasks. The candidate should possess good mathematical analytic skills and be versatile in approaches to EO system design, trade studies, and modeling. A background in physics with emphasis in electro-optics (Visible thru LWIR), optics, detectors, lasers, electronics and digital signal processing is highly desirable.
- Systems Engineer with understanding of Electronic Safe and Arm devices. Must have knowledge and experience with the Non-Nuclear Munitions Safety Board and an understanding of the FESWG Guidelines on the use of logic devices in fusing systems. A strong background in the system safety and reliability engineering is desired.
- Engage in and support new business acquisition activities for the tactical missiles line of the business. Develop solutions to fill capability gaps and customer needs. Define system concepts of operation.

Candidate should have experience in optimal estimation theory, Kalman Filter applications, kinematics, target tracking algorithms and data association methods. Candidate should also possess a skill set that includes Matlab, a working level knowledge of C/C++, and experience implementing and debugging tracking algorithms in a real-time environment.

Salary Ranges: \$94K-\$125K (14 years exp.), \$64K-\$80K (5 years exp.), \$79K-\$105K (7-9 years exp.), \$51K-\$60K (0-2 years experience with MS degree.)

If you or anyone you know has interest in joining the premier defense contractor in the world, Lockheed Martin, send your resume to igor-man@cfl.rr.com or call John Gorman at 407-788-2098.

Structural Engineers

Stroud, Pence & Associates, Ltd. is a structural engineering consulting firm, committed to technological leadership, quality work, and client satisfaction, with major projects located throughout the eastern United States and the Caribbean.

Our home office in Virginia Beach, VA is seeking Structural Engineers who are highly motivated and who fit our culture. Are you interested in working on a variety of projects utilizing all types of building materials? Getting out in the field? Interested in an opportunity for leadership and professional development? Want to be involved in exciting and high profile projects? Seeking a great place to live and work?

We offer:

- Competitive salary
- 401(k) & Profit Sharing
- Insurance (health, life, dental)
- Referral bonuses
- Tuition reimbursement
- Flexible work hours
- Unlimited opportunity for professional growth

[Innovative Structural Solutions](#)



Send resume to:

www.stroudpence.com

Edward W. Pence, Jr., PE, SE

Stroud, Pence & Associates, Ltd.

5032 Rouse Drive, Suite 200

Virginia Beach, VA 23462

Email: epence@stroudpence.com

Career Opportunities, continued



CLARK NEXSEN is a full-service architecture, engineering, interiors and master-planning design firm headquartered in Norfolk, Virginia with a staff of over 400 employees in six regional offices. Full-time, regular employees are eligible for health and dental plans, 401k, paid vacation and sick leave, life insurance, short- and long-term disability, AFLAC, flexible spending accounts for healthcare and childcare, education reimbursement, prepaid legal service, long-term care insurance, and direct deposit. We offer a friendly, professional atmosphere, a state-of-the-art working environment, and a smoke-free workplace. We are an ENR Top 300 A/E design firm and have consistently been named one of the Top 10 Places to work by Inside Business. Apply online at www.clarknexsen.com. (757) 455-5800. EOE/AAP

Electrical Engineer (Norfolk Office) BSEE or equivalent, EIT. Minimum 3-5 years experience in the design of power distribution, lighting, and telecommunications design. Candidates will be self-motivated, capable of working on projects with minimal oversight. Familiarity with Government UFCs, UFGSs, Microsoft EXCEL and AutoCAD Version 2008 is a plus.

Structural Engineer (Bridge) Minimum 5 years bridge experience in NBIS (National Bridge Inspection Standards) bridge safety inspections. PE registration desired (EIT registration required) and must be qualified to be a bridge safety inspection team leader under NBIS regulations. Must enjoy working outdoors with travel involved. Excellent growth opportunities.



The Naval Facilities Engineering Command (NAVFAC) is soliciting interest for multiple vacancies for entry level and experienced Civil Engineers, Structural Engineers, Electrical Engineers, Mechanical Engineers, Architects, Project Managers and Cost Engineers/Technicians. The positions are located at NAVFAC Atlantic and NAVFAC Mid-Atlantic offices in Norfolk, VA. Positions offer opportunities to perform detailed design, preparation of Design-Build RFPs, and design management/oversight of architectural and engineering consulting firms and construction contractors.

NAVFAC is a multi-discipline federal engineering agency responsible for the planning, engineering, construction, project management, environmental compliance, and maintenance of the U.S. Navy's shore facilities world wide. For more information visit the NAVFAC website at: <http://www.navfac.navy.mil/>.

The positions are full time Federal Civil Service positions with all federal benefits including: competitive salaries, flexible work schedules, 13-26 days of paid annual leave, 10 paid holidays annually, 13 days of sick/family leave annually, federal health & life insurance programs, retirement benefits, flexible health spending accounts, paid overtime and comp time, continuing education and professional development. Additional benefits information is available at: <http://www.usajobs.opm.gov/EI61.asp>.

Available Positions and Discipline Requirements are:

Civil Engineers (EIT/PE): Design and design management positions for site development, utilities, roads and parking, airfields, storm water management and other environmental remediation, contingency operations, and policy/criteria development. Experience with Autodesk Civil 3D design products is highly desired. To discuss further please contact Robert Warren at (757) 445-6655; e-mail robert.l.warren1@navy.mil.

Structural Engineers (EIT/PE): Design and design management positions for the design of conventional buildings (quarters, administration, training), waterfront facilities (piers, wharves, bulkheads), airfield facilities (hangars, control towers), housing, communications towers, bridges, and other facilities. Experience in design, analysis, and Autodesk CADD products are highly desired. To discuss further please contact Anthony Farmer at (757); e-mail anthonny.farmer@navy.mil.

Electrical Engineers (EIT/PE): Design and design management positions for power, lighting, and telecommunication design of conventional buildings (quarters, administration, training, schools), waterfront facilities (piers), airfield facilities (hangars, airfield lighting), power and telecommunication distribution systems, communication and other DOD facilities. Experience in design, analysis, and Autodesk CADD products are highly desired. To discuss further please contact Tina Williams at (757) 445-3176; e-mail haritini.williams@navy.mil.

Mechanical Engineers (EIT/PE): Design and design management positions for the design of mechanical systems for facility types, ranging from administrative and housing facilities to complex industrial and operational facilities, base utility systems, DDC and EMCS systems. Experience in design and analysis of various mechanical utility (U.G. and A.G), building piping and HVAC systems, and familiarity with various building codes, standards, HVAC and modeling software, and AutoCAD is desired. To discuss further please contact Stephen Ericson, at (757) 445-3180; e-mail stephen.ericson@navy.mil.

Architects (RA): Design and design management positions for projects ranging from small renovation projects to major, multi-million dollar buildings and complexes of buildings as well as involvement in contingency operations, and policy/criteria development. Experience with AutoCAD Architectural Desktop 2006 or higher, SpecsIntact and Success Cost Estimator is highly desired. To discuss further please contact Ted Porter, at (757) 445-3180; e-mail ted.porter@navy.mil.

Project Managers: Positions for Architects or Engineers of all the above disciplines relating to buildings, site work, waterfront, airfield facilities, and other specialized DoD facilities. Applicants need not possess experience in all trades. Experience in project management to include: facilitating the delivery of Capital Improvements services, client interface, budgeting constraints, design & planning schedule tracking/reporting, command briefs, and construction support. To discuss further please contact Ellen Freihofer at (757) 445-5473; e-mail margaret.freihofer@navy.mil.

Cost Engineers/Technicians: Positions for Civil, Structural, Architectural, Mechanical, or Electrical trades relating to buildings, site work, waterfront, airfield facilities, and other specialized DoD facilities. Applicants need not possess experience in all trades. Experience in budget cost estimates, cost estimating criteria, and development and maintenance of historical cost databases is highly desirable. Parametric and detailed estimating using PACES. To discuss further please contact John Nehring at (757) 444-3007; e-mail john.nehring@navy.mil.



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The *Joint Societies Newsletter* is a monthly publication. The purpose of the newsletter is to keep engineers in Hampton Roads informed of the Joint Societies' activities and of other news in the engineering community.

If you have an article or other information that you want to include in future newsletters, please email it to one of the editors. If no email is available fax it to 757-466-1732 c/o Nisha Thuruthy or mail to:

Nisha Thuruthy
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All materials and information must be received no later than the 1st weekend of each month prior to the month of publication.

All comments and information are greatly appreciated.

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Officer List

ASCE Norfolk Branch Officer List

President	Ryan Delo, PE
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Past President	Barry Forbes, P.E.

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