



January, 2010

Greetings,

Happy New Year!

One of the nicest aspects of running a busy, successful enterprise is being able to give back to organizations that we feel promote the general betterment of the industries we serve. Our leadership team at Pegasus-Global supports organizations which promote advancements in the construction industry as a whole – in education and development of resources, research, environmental issues and just plain making systems function better.

As the New Year commences, it is time to renew and strengthen the commitments we have made to those organizations. We feel that the following organizations are serving an important role in the sectors in which we do business.

Thanks,

Pat, Kris and Jack

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## **SSMS – The Society for Social Management Systems**

Dr. Patricia D. Galloway will be giving a keynote speech on March 4, 2010 in Kochi, Japan at the Society for Social Management Systems International Symposium. Dr. Kris Nielsen will be heading a Research Committee at this same conference, which will make decisions regarding the future of the SSMS.

The SSMS is dedicated to promoting the research, investigation, and information exchange regarding technology to conduct social system management. A further explanation of their mission can be accessed at this web address: [http://management.kochi-tech.ac.jp/?content=center\\_info\\_ms](http://management.kochi-tech.ac.jp/?content=center_info_ms)

The symposiums are held once a year in Kochi to share research results and to promote scientific exchange among social scientists and engineering scientists.

Pegasus-Global's Dr. Galloway and Dr. Nielsen have participated in these symposiums for the last several years.

For more information please click navigate to:

<http://management.kochi-tech.ac.jp/ssms2010/forms/SSMS2010%20Programs.pdf>

## **The Construction Industry Institute**

Pegasus-Global has been a strong supporter of the Construction Industry Institute (CII) for many years. The Construction Industry Institute is located in Austin, Texas and conducts research and creates knowledge in many areas of construction. CII defines best practices, publicizes breakthroughs in industry patterns and studies industry norms. Additionally they produce research publications, implementation guides, and other educational materials available to their members and the general construction industry.

Through their conferences and workshops they continually assess the relevance of existing knowledge as well as providing a platform for discussion of contemporary issues within the construction industry

As the co chair of the RT-260 Research team, Dr. Patricia D. Galloway is joined by Dr. Kris Nielsen as a member of the Research Team. The RT-260 research project is charged with studying the elements that make a reimbursable contract successful between owner and contractor. Items on the team's agenda include procedural control mechanisms, contractual risk allocation systems, incentive structure and site staffing issues.

These teams gather at locations across the country to discuss deliverables on research projects. The conclusions of the Research Teams will be published as another one of CII's research publications.

The next meeting for this Research Project takes place in February 2010 in Houston, Texas.

For further information, please go to <http://www.construction-institute.org>

## **The Bureau of Overseas Building Operations Industry Advisory Panel**

Dr. Kris Nielsen is a member of the U.S. Department of State's Bureau of Overseas Building Operations (OBO) Industry Advisory Panel. The panel is appointed by the Director of the Overseas Buildings Operations from nominations solicited from national professional organizations.

All members serve a one-year term and meet quarterly at the Department of State. The purpose of the Industry Advisory Panel is to ensure that the best possible methods are being utilized to govern the Department of State's construction and maintenance of the Department of State's real property assets.

The nine members, appointed from both industry and academia, are asked to share their knowledge and expertise on contemporary building concepts, methods, best practices concerning all aspects of acquisition, safety, building and maintaining of all overseas Federal facilities. Dr. Nielsen's next panel meeting is expected to occur in March, 2010.

For more information, visit <http://www.state.gov/obo>

### **Industry Sectors**

#### **Power**

Kansas City Power & Light Company (KCP&L), a subsidiary of Great Plains Energy Incorporated, filed a rate increase request with the Kansas Corporation Commission (KCC) on December 17, 2009. KCP&L retail electric rates are currently more than 22% below the national average. The rate increase reflects the forthcoming completion of KCP&L's Comprehensive Energy Plan (CEP), developed through a collaborative process that included community partners, customers, environmental groups, local elected officials and regulatory staff. The Kansas rate increase includes the portion of the projected total investment in Iatan 2 allocated to Kansas customers.

KCP&L owns 54.7 percent of Iatan 2, an 850 Megawatt (MW) coal-fired generation unit located near Weston, Mo., scheduled to be completed in late summer of 2010. Dr. Kris Nielsen is working with KCP&L regarding the prudence in the construction management of Iatan 2.

## **Pegasus-Global This Month**

### **Pegasus-Global Supports Improvements in Women's Education**

Dr. Patricia D. Galloway is passionate about her career as a civil engineer and equally passionate about encouraging young women to follow science and engineering as a vocation. She continues to work within all levels of educational to ensure that young women are not discouraged from entering these fields.

The road for women in engineering has been difficult and Dr. Galloway has never forgotten the supporters and role models that have inspired her to be who she is today. This month our featured article demonstrates her continual drive for improvements in the engineering education process in encouraging young women to consider studies in math and science. This article was initially published in May, 2004, when Dr. Galloway was the President of the American Society of Civil Engineers (ASCE) – the first woman President of the organization in its 180 year history:

#### **Emily, Amelia, et al.: Who Are These Women and Why Should You Care?**

Emily Roebling and Amelia Earhart were women whose contributions to engineering were extraordinary. Despite the roadblocks that confronted women in their time, they accomplished remarkable feats – feats that have bettered our profession and our world. If we are to truly promote engineering as a choice career, we must remember Emily, Amelia, and the hundreds of others like them and communicate their stories to young people. They serve as important role models.

To read the rest of her article please click go to:

<http://www.pegasus-global.com/newsletters/201001/PDG-education-article.pdf>

**Mega Projects, Politics, and Investment – Are These Concepts Mutually Exclusive?** Dr. Kris Nielsen reflects on the past two years, and how it has affected the engineering and construction industries. And in turn the “Big Picture” - how this relates to politics and investments in the future.

To read Dr. Nielsen's Blog, “A View From the Boardroom” please click point your browser to this address: <http://aboardroomview.blogspot.com/>

## **Pegasus-Global People**

### **John Owen**

Mr. John Owen is a Pegasus-Global Specialist Consultant. He has led a variety of management and forensic engineering analyses involving issues of engineering management, project and operations management, operations facility performance and others. Mr. Owen’s engagement experience has included extensive management consulting and risk management assignments throughout the power, building and other industries.

Mr. Owen reflects on his career:

“My first involvement with the nuclear power industry was in the late 1960’s as an engineer on the design of the

auxiliary electrical and control systems of the first commercial Advance Gas Cooled reactor (AGR) based power plant in the UK.

Following my experience with the UK nuclear industry I spent the next 15 years or so in North America working on the engineering, construction and project management of a number of nuclear plants in the US, Canada, South America and South Korea. Reactor types included PWR, BWR, CANDU and of course the AGR.

I can remember in my earlier experience on these plants that, separate from the evolving regulatory interpretations in the US, there were significant deficiencies with project management systems and their execution. As we moved through the 70's into the 80's the experience improved both the quality of the systems and their execution.

In the mid 80's I moved into a consulting mode with a primary focus on project performance evaluation. This was a significant experience as it permitted me to see how other owners and A/E's managed projects and dealt with the evolving regulatory interpretations that occurred during the 80's.

Now in the second decade of the 21<sup>st</sup> century the US nuclear industry is moving into the next major expansion phase. There is no doubt in my mind that the underlying conditions have improved over the early 70's. US regulation has been streamlined, project management systems have improved, experience in the management of mega projects, not only nuclear, has advanced to the point where it is possible to have virtually real time data on all aspects of project status.

Based on my experience of the past 30 or more years in nuclear and other large infrastructure projects this new phase of nuclear plant expansion has many new and almost certainly unknown, challenges to be identified. The challenges must be addressed, managed and overcome. The successful execution of the new fleet of nuclear plants will depend upon the use of the best practices of the past, combined with rigorous risk identification and mitigation programs.”

To view Mr. Owen's detailed resume, please navigate to:  
<http://www.pegasus-global.com/resources/default.asp#owen>

Thanks and have a great month and a happy new year.