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#### Greetings!

A new year, a fresh start - Patti Engineering regularly seeks out exceptional Electrical Engineer candidates to add to our team. We are ramping up our efforts, adding experienced engineers to meet the demands of our clients.

Looking to the future, we believe fostering an interest in engineering needs to start early to ensure we will have the engineering resources we need in the years to come. This month we are featuring an article on a program that does just that, the Michigan Regional Future City Competition. This event is part of a national program sponsored by the National Engineers Week Committee, and is coordinated by The Engineering Society of Detroit (ESD).

We are very excited to be supporting ESD's Michigan Regional Future City Competition. This is a remarkable program for our Michigan youth. Patti Engineering is sending a team of professional engineers to review and judge the entries to award the "The Patti Engineering Best use of Automation Technology Award".

The Patti Personnel spotlight is on Duane Edgar, one of our exceptional engineers. Duane has been adding value to the Patti Engineering team with his [Siemens](#) and [Mitsubishi](#) expertise for six years now.

If you are interested in reading our most recent press release on Textile Automation [click here](#). We are in the process of writing a more detailed article on this topic, if you would like to receive the article when completed please email me at [gwhalen@PattiEng.com](mailto:gwhalen@PattiEng.com).

We always love your feedback. Let us know if there is a specific automation topic you are interested in or if you have comments on what we have covered here.

Thank you for your interest in Patti Engineering!

Best regards,

Georgia H. Whalen

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ESD Michigan Regional Future City Competition



The Future City Competition challenges students to design a city of the future - and have fun doing it. This program was designed to promote technological literacy and engineering to sixth, seventh and eighth grade students. The program fosters an interest in math, science and engineering through hands-on, real world applications and helps students better understand the practical applications of mathematical and scientific principles.

From start to finish, volunteer professional engineers, scientist, teachers and parents mentor the student teams to build their city. Teamwork and creativity skills are developed as the students build computer and actual models, write essays and make presentations adhering to a set of rigorous standards. The middle school students are encouraged to confront real world issues in their futuristic cities, including: sustainability, social issues, health, medicine, transportation, and energy.

The Michigan Regional Future City Competition will take place January 30, 2012. In February, the winning team from each region competes at the national finals in Washington, DC. Each winning team receives an all expense-paid trip to Washington, DC, to compete in the finals.

**2012 Challenge: "Fuel Your Future: Imagine New Ways to Meet Our Energy Needs and Maintain a Healthy Planet."**

The city must display residential, commercial and industrial areas, power plants, transportation systems, community services and communication systems. Other issues that must be addressed are environmental controls, traffic density, taxes and operating budgets.

Patti Engineering is very excited to be supporting the Engineering Society of Detroit's (ESD) Michigan Regional Future City Competition again this year. Patti Engineering is sending a team of professional engineers to review and judge the entries to award the "The Patti Engineering Best use of Automation Technology Award".

The young aspiring professional engineers must show how automation technology is incorporated into their design. They also must demonstrate an understanding of energy management, building automation systems, it systems and the need for control systems integration to make it all work together. The Future City Competition is an important educational tool for developing student interest in technology and engineering building a brighter future for America.

Sam Hoff, president of Patti Engineering, commented on the value of the Future City Competition, "This is a phenomenal program for our Michigan youth. We were very impressed with all of the displays at last year's competition, and choosing the single best use of automation technology was a difficult task. We are proud to support the Engineering Society of Detroit's efforts to inspire the next generation of Professional Engineers and we are looking forward to participating again this year."

The Future City Competition is a national program sponsored each year by the National Engineers Week Committee. The Engineering Society of Detroit (ESD) is the coordinator for the Michigan Regional Competition. More than 1000 students participated in the regional competition last year. What a great opportunity this is for us to give back to our community in a meaningful way.

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## Patti Personnel - Duane Edgar



Duane Edgar

This month our spotlight is on our dedicated and talented engineer, Duane Edgar. Duane earned his Bachelor of Science degree in Electrical Engineering from Kettering University in 2004. He has been with Patti Engineering since 2006 and holds the position of Senior Electrical Controls Engineer. His responsibilities include: hardware and software design, control engineering and project management.

Duane has been the lead engineer on several of Patti Engineering's most significant projects with our most visible clients. Duane's command of the Siemens and Mitsubishi technology has made him an invaluable contributor to the Patti Engineering team.

Duane has contributed to our blog sharing his insights on useful tools. To read one of his post click on the title: [Tips and Tricks - PLC Simulator SIEMENS SIMATIC S7-PLCSIM](#).

"Duane has been an effective team member, and has helped Patti Engineering to achieve our goals of not only meeting, but exceeding our client's expectations," commented Sam Hoff, president of Patti Engineering. "Duane's ability to learn new technologies and decipher the best solution to meet our client's needs is exceptional. He is an integral part of our team."

Duane and his wife Resheda have one daughter, Alexandria. In addition to enjoying time with his wife and daughter, Duane enjoys football and basketball, both of which he played in high school. Duane is a fan of the University of Michigan and is a long-time/suffering Lions fan. Duane does not have a favorite in the NBA, but follows all of the teams closely and still enjoys playing basketball in the pick-up games at Schoolcraft Community College on the weekends.

Perhaps the competitive passion and teamwork Duane learned in his youth playing sports has been instrumental in driving him to be an exceptional engineer. We are proud to have Duane as a member of our Patti Engineering team!

