

Engineers' News

November 2017

Vol. LXXV No. 3

www.FortWayneEngineersClub.org



Find us on 

November Tour



[Sweet Aviation](#)

[902 West Ludwig Road, Suite 118, Fort Wayne, IN 46825](#)

Thursday November 16th at 7:00 PM

[Sweet Aviation](#) located at the new terminal on historic Smith Field (902 West Ludwig Road) will be hosting our November tour. They are a full service flight center with a very modern fleet of aircraft available for training and rental. The tour will consist of their maintenance hangar, including a close up look at their aircraft including helicopters, as well as a talk by Joel Pierce their general manager and primary flight instructor. They have a beautiful building that formerly housed IVY Tech's aviation maintenance school. The school has since moved to the other side of the airport and hosted a tour for the Engineers' Club in [February 2012](#).



FY18 FWEC Board Opening

The FWEC is looking for an Engineers News Editor trainee for the FY18 (2017-2018) who will then transition into the Secretary role in FY19 (2018-2019). Please contact [Elizabeth Garr](#) if interested in learning more about the position.

The Editor of the Engineers News will author and distribute the Engineers News newsletter and maintain the FWEC website.

December Social



FWEC December Social

[11129 Chestnut Ridge Court, Fort Wayne, IN 47814](#)

Thursday December 14th from 5:00 to 8:00 PM

FWEC President Bharat Rajghatta is hosting the Holiday Social. FWEC members and spouses are invited to Bharat's; pizza, bonfire, card games, darts, Xbox bowling, music, drinks, and more! Please bring a dish or beverage to share.

FY18 Membership Year FWEC Board

President: [Bharat Rajghatta](#) (260) 615-1869

Vice President: [John Magsam](#) (260) 482-2843

Treasurer: [Jon Cook](#) (260) 479-7672

Secretary: [Elizabeth Garr](#) (260) 486-0158 **Seeking Secretary trainee!!**

1st Year Board Members:

[Dave Gordon](#) (260) 693-2167

[Ryan Stark](#) (260) 456-0809

2nd Year Board Members:

[Rod Vargo](#) (260) 416-0986

[Craig Welch](#) (260) 241-5138

3rd Year Board Members:

[Marna Renteria](#) (260) 744-3407

[Ellsworth Smith](#) (260) 637-6070

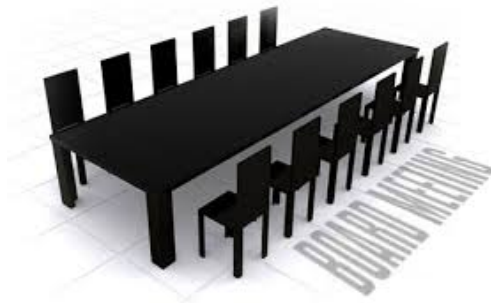
Resident Agent: [Ryan Stark](#) (260) 456-0809

Membership & Contact Committee Chair: [Dave Schaller](#) (260) 486-7610

Northeast Indiana DiscoverE Committee Chair: [Rob Cisz](#) (260) 435-0409

Board positions are crucial to the planning of tours and events for the FWEC. Please consult the [FWEC constitution](#) or contact us at info@fortwayneengineersclub.org for information on specific duties on board positions.

FWEC Board Meetings



Fort Wayne Engineers' Club board meetings are open to all FWEC members. The next FWEC board meeting will be Tuesday December 5th at 7:00 PM. Board meetings are held on the [Indiana Tech campus in the Academic Center](#) in room ACC-201.

FWEC Membership

Membership

The FWEC exists through funding of its membership. Please forward your copy of the Engineers' News to prospective members and encourage their attendance at tours. Remember, the FWEC is the best deal in town, annual membership is \$10. We offer free monthly tours September through May. Please be sure to recommend FWEC membership to your colleagues and friends.

TekVenture ElectroWorx Volunteers Needed



TekVenture has received a grant from GM Foundation to develop ElectroWorx and TekVenture is looking for engineer-types who would like to help implement the ElectroWorx grant and facilities and help recruit and train youth for the ElectroCorps described below.

"TekVenture will create ELECTROWORX as both a facility and a self-perpetuating program for engaging middle, high school students and the public in learning about, designing and experimenting with 'EME' or electro-mechanical engineering and robotics.

"The two goals described in the TekVenture Youth Initiative for 2017 proposal submitted to and funded by GM, were to "...educate and inspire youth to make things and secondly to (not only) learn but to share and educate others, as well."

"To facilitate creation, operation and promotion of ElectroWorx, TekVenture will develop ELECTRO Corps as an ElectroWorx program of engaging students in creativity-inspiring learning through a series of hands-on, S.T.E.A.M. project-oriented workshops, and then engaging these students as mentors to follow-on students and TekVenture members in subsequent workshop experiences."

TekVenture ElectroCom Planning meetings are held every Thursday evening at 6:00 PM at TekVenture's new facility at 1550 Griffin Street next to the Beach Volleyball courts in River City just east of Downtown Fort Wayne. Please call Greg Jacobs if you have further questions; 260.432.1095

Advertise in the Engineers' News

The FWEC provides advertising space within the Engineers' News. Advertisements are \$10 per issue and limited to ½ page of content. For submissions please contact info@fortwayneengineersclub.org.

Education First High School Exchange Year



Meet Max from Germany. He is a high school student seeking to spend his 2018/2019 school year in the United States, to strengthen his English, to learn about our great country first-hand, and make great American friends. He wants to study journalism or political science in college. If you, or someone you recommend from anywhere in the U.S.A., would like to consider becoming a loving host family for a great student like Max, please contact Marna Renteria at marna.renteria@efexchangeyear.org, or call (260) 442-7456. *If a FWEC member or friend referral results in a successful match, FWEC can receive a \$200 grant for each match, unlimited number of grants!*

October Tour



Sure-Trac Trailers works hard to design for high quality and superior value while working to commonize and standardize as much as reasonably possible between their growing line of models. They still produce customize trailers at their North Manchester plant, especially for the professional making a living with the product. Their slogan of “Smart, Confident, Proven” is supported by their reputation for fit, finish and quality.

Trailer customers are loyal to a brand, so they have to be careful not to combine too much during the engineering with other models, or the customers may switch away. Hand calculations and FEA model are used for testing as is 20% overload testing of actual products. They have worked hard to get all products into their CAD system and BOM accuracy has improved to 90% as their process controls become more sophisticated. For a great appearance and lasting finish, all trailers at this location are powder coated rather than wet paint. It does require great prep and cleaning. The Columbia City plant utilizes wet coat painting.

Manufacturing does not use any press brakes in production. They utilize more fabricated assemblies from the plethora of fab shops in the NE Indiana area. More castings are being used and they purchase items such as steps and ramps. Both wood and steel decks are produced to satisfy customer preferences. Lighting has been improved to all LED components now.

Our tour guide, Tony Freeman, was extremely well versed in their production systems and product lines. We learned about the different types of dump bed systems as well as their different production lines. Novae Corporation, Sure-Trac’s parent company has 4 trailer plants in Indiana, 3 in Iowa and one in Pennsylvania.

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