It’s a Brand New Year!

DBJ 2019 Woman Owned Business of the Year!

Azimuth Corporation won the Dayton Business Journal’s 2019 Woman Owned Business of the Year Award!! Congratulations to Valerie Rossi and everyone at Azimuth who make this such a great company to work for.

Pictured from left to right are Charles Rossi, Valerie Rossi and Jack Rudland (DBJ)
EMPLOYEE INTRANET COMING IN JANUARY

Be on the lookout for an email for instructions on accessing our new Azimuth Intranet. It contains links to the sites you use for HR related activity and other company information. After you’ve checked it out, if you have any suggestions for improvement or additions, let us know at webadmin@azimuth-corp.com.

SEEKING EMPLOYEE REFERRALS

From time to time, on an as-needed basis, Azimuth will offer referral awards for difficult-to-fill positions. We have several of these positions open right now. In order to receive an award, your referred resume must be hired and stay with Azimuth for at least one year. Fifty percent of the referral award is provided to the referring employee at the time of hire and the other fifty percent is provided to the referring employee after the new-hire completes their first year of service. The following positions are eligible for bonuses:

DC/VIRGINIA Based Positions:
- Executive Assistant II (in support of OUSD/I)
- Administrative Officer/Courier (in support of DLSA)
- Test and Evaluation SME (in support of OUSD/I’s Project Maven)
- Cloud Architect (in support of OUSD/I’s Project Maven)
- Full Stack Developer (in support of OUSD/I’s Project Maven)

OHIO Based Positions:
- Electro-Optic Vision Research Scientist (in support of AFRL MaRSS)
- Intelligence Analyst (in support of ATEP II)
- Ultrawide Bandgap Semiconductor Research Scientist (in support of AFRL MaRSS)
- Research Scientist for Rapid Nano/bio Material Synthesis (in support of AFRL MaRSS)
- Computational Research Scientist (in support of Corporation programs)

For a complete list of positions, or to apply, please visit the Careers page at azimuth-corp.com or contact Recruiting by email to careers@azimuth-corp.com.

As always, thank you for your support to our recruitment efforts.
NEW SECURITY COMPANY

By now you should all have received an email from our new security company, IsI. Hopefully, you’ve all logged into Security Control and taken a look at your profile and updated where necessary.

What can I do inside Security Control?

- Submit foreign travel briefs and debriefs
- Submit security briefing certs
- Request incoming/outgoing visits
- Report incidents
- Report foreign contacts
- Report suspicious contacts.

If you have not already done the annual security training that was sent out by IsI, please do so. If you have not received it, please let us know.

If you need to contact the security department, please email security@azimuth-corp.com.

Azimuth is proud to report that two of our employees received praise from our customers this quarter. Receiving feedback like this means a great deal and Azimuth is both fortunate and thankful to have such outstanding employees on its staff.

A special thank you to Mandy and Lyndsey. Your hard work and dedication to our customers and to life are what make Azimuth a great company!

Amanda Sullivan

Mrs. Mandy Sullivan, supporting the Pentagon Force Protection Agency (PFPA) Corporate Communications Office, was recognized by Mr. Jonathan Cofer, Director of PFPA, for her extraordinary responsiveness and event support while hosting a PFPA guest. Mr. Cofer shared he can “fire and forget” whenever Mandy is involved with their event coordination and execution.

Congratulations on this recognition from Mr. Cofer, Mandy! You continually provide spectacular customer support, and it is greatly appreciated by many people. Azimuth Corporation is extremely grateful to call you an “Azimuthian”!

Lyndsey Maxwell

In November, Lyndsey Maxwell were recognized by AFRL Security Branch Chief Vince Sbrocchi for keeping visitor in-processing operations running smoothly during the Scientific Advisory Board that forced them to relocate their workstation. Large group visits and events can become high-risk security headaches for those involved, well done!
As a company focused on supporting the military, Azimuth takes great pride in our track record for hiring recently discharged veterans. For these efforts, we have not only received awards but also grant money from organizations who support veteran hiring.

One such organization is Virginia Hires Veterans (or V3). Each time Azimuth hires a veteran working/living in the VA area within 5 years of their discharge date and they have been employed full-time with us for at least a year, we can apply for a $1000 grant. This grant money is meant to be used to help us with Veteran Outreach, such as resources to hire more veterans and general veteran support.

In 2019, we received the maximum amount of grant money from V3: $10,000! With this money, we sent veterans cards on Veteran's Day as well as contributed to the following organizations that support Veterans in Virginia and across the U.S:

**The Soldiers Surgeon** – provides an array of non-emergency orthopedic services for veterans that have been injured during or outside of their service to this country.

**VA Veterans Service Foundation** – provides supplemental funding when state and federal resources are not available. Donations support selected programs and critical services offered through the Department of Veterans Services.

**Boots to Suits** – Clothing program for all male and female Virginia veterans who have or will be transitioning from military life to civilian careers. They receive two complimentary career outfits, enabling them to look and feel their best for job interviews and non-military work environments.

**Hire Heroes USA** – provides free job search assistance to U.S. military members, veterans and military spouses, and they help companies connect with opportunities to hire them.

**Freedom Service Dogs of America** – Enhances the lives of people with disabilities by rescuing dogs and custom training them for individual client needs. Clients include children, veterans and active duty military, and other adults.

We are proud of our Armed Forces and what they do every day to ensure the safety of our country. We feel it is our duty to help Veterans transition from service to civilian life in any way that we can, and it’s a great reason to be proud of working for the Azimuth team.
AZIMUTH SHOWCASES MACHINE LEARNING ADVANCEMENT AT DEFENSE CONFERENCE

Has Azimuth supported the creation of a time machine? In a way, yes.

In December, 2019, Azimuth participated in the Defense Manufacturing Conference, an information sharing event focused on advanced manufacturing enterprise for defense applications.

Our own Dr. Jonathan Thompson delivered a briefing on his work related to machine learning as part of his Air Force Research Lab program. His work set out to solve a particular challenge associated with optical filter technology. This work was conducted in conjunction with Apex Microdevices who manufactured prototypes of the material that Dr. Thompson designed. Normally, at this stage of fundamental research and materials development, a researcher would repeatedly design a material, manufacture samples to see the design results, and then make adjustments in their design to achieve a material closer to the desired result. They would repeat this process until the material achieves the desired results.

By adding machine learning into the design process meant they could electronically model and analyze performance of an extraordinary number of iterative designs based on the parameters provided, identifying an optimal design before the first prototype is ever made. This produced previously unachievable design improvements in a rapid period of time without having to create a prototype after each design iteration. In fact, when Dr. Thompson presented the machine’s suggested design to the manufacturing group, the material could not be manufactured with current day, state-of-the-art technology because it was so advanced. The design parameters had to be somewhat reduced to identify a design with optimal performance that was also manufacturable. Within 10 minutes of feeding in those new parameters, the machine identified the new optimal design ready to be manufactured.

So, what about that time machine? The design that would have normally taken three to ten years only took three to six months, including the machine learning programming, prototyping and testing. This type of advancement significantly compresses the time needed to design materials leading to rapid advancement. In addition to this practical advancement, this effort also supports the Air Force’s long-term strategic goals, stated in the U.S. Air Force 2030 S&T Strategy within the Develop and Deliver Transformational Strategic Opportunities objective.

Congratulations to Dr. Thompson on this significant achievement and ongoing advanced work to transfer technologies to the Warfighter faster than ever.
Everyone had a lot of fun and good cheer at the 2019 holiday parties. DC’s party was held at Maggiano’s Little Italy; Dayton’s party was held at the Dayton Country Club; and, SECCEN’s party was held at Pirate’s Cove. Thanks to everyone who attended!
Thank you all for being a part of the Azimuth Team!

FUTURE NEWSLETTERS

Do you have a fun and unique hobby? Are you a part of any charitable organizations or like to donate your time? Have anything you’d like to share?

Azimuth would like to feature YOU in our next newsletter! Please feel welcome to submit any pictures, write-ups, or ideas you may have. Our employees are what make Azimuth such a great company to work for and we want to hear from all of you!

Please remember, Azimuth reserves editorial rights of all write-ups and images submitted. Any submissions can be sent to awright@azimuth-corp.com.

JANUARY

James Burkhamer 04
Catherine Ferebee 10
Andrew Barrette 11
Kyungmin Lee 21
Ecklin Crenshaw 29

FEBRUARY

Mike Glaccum 04
Crystal MacCallum 04
Jon Thompson 07
Charles Rossi 11
Dave Tomlin 12
Dave Turner 13
Sergey Basun 16
Mandy Sullivan 21
Charles Roseberry 25

MARCH

Heidi Nelson-Quillin 01
Cristina Rumi 05
Aurora Watt 16
Steve Durrant 23
Abby Neal 23
Gary Bass 24

Years of Service

Kyungmin Lee 10
Craig Teeters 8
Amelia Crossman 4
Lea Sears 4
Jonah Nelson 4
Antoinette Rice 4
Derek Bas 3
Stephen Taylor 1
Igholdalo Idehenre 1
Aesha Thomas 1
Heidi Nelson-Quillin 1

HAPPY WORK ANNIVERSARY!

Rachelle Credle 5
David Turner 4
James Clark 4
Laura Filson 3
Sharon Davis 1
Brian Ward 1

Mike Glaccum 3
Tom Harris 3
Josh Solove 2
Urice Tohgha 2
Nathan Jualin 2
Ecklin Crenshaw 1
Aurora Watt 1
Rory Calhoun 1
Azimuth is excited to announce the formation of the AAIM Lab, a high performance computing capability for Autonomy, Artificial Intelligence, and Machine Learning. This represents a direct corporate investment in building internal capabilities, and follows on the heels of lessons learned performing AI and ML in direct support of our government customers in intelligence and scientific research programs. The AAIM Lab will conduct research and development as a third party partner to industry, government and academia efforts; will directly support government programs under efforts such as Small Business Research (SBIR) and Open calls (BAAs); and will execute internally funded development projects. This effort embodies strategic thrusts for our OSD and Air Force clients in growing AI and ML capabilities, and doing so through open partnerships that compound the availability and effectiveness of the tools being developed. For questions, inquiries, or ideas, please contact Jonah Nelson at jnelson@azimuth-corp.com.

Dr. Perry Rice is our Research Scientist in the new AAIM Lab. He earned his B. S. from Wright St. University, and his Ph. D. from the University of Arkansas. He was a professor of physics at Miami University for 30 years, and then spent 2 years at the Oregon Center for Optical, Molecular, and Quantum Sciences. His areas of expertise are theoretical quantum optics, quantum information processing, and computational methods.

His wife Jan was also a professor at Miami, their son Patrick is a chef. Jan and Perry met in a graduate electromagnetics class and have been married for 35 years. Perry has a love for listening and performing music, mainly jazz and rock guitar. Both are excited to return to Ohio, particularly the Dayton area.