

SOUTHERN ARIZONA TECH + BUSINESS EXPO 2020



ARIZONA
TECHNOLOGY
COUNCIL
a place to connect and grow

Welcome and Thank You for Attending the **2020 Southern Arizona Tech + Business Expo** Showcasing Technology and Innovation!

This year marks our eighth Expo. It's our first virtual Expo in what's turning out to be a very eventful year! We are deeply grateful to our sponsors, supporters, exhibitors, company innovator presenters, Expo organizing committee and to you! We hope you enjoy this year's program, that you create valuable connections and discover opportunities to grow your personal and professional circles of influence.

The Arizona Technology Council strongly supports the technology sector of our state's economy and is hosting over 100 in-person and virtual events this year. **Our vision is to be the driving force behind making Arizona the fastest growing technology hub in the nation!**

The best way to enjoy your membership and to create opportunities for your business is to get involved!

Here is a partial list of events coming up in 2021:

- Monthly after5 Tech Mixers
- Arizona Photonics Days
- 11th Annual Southern Arizona Golf Tournament
- Women in the Workforce Presentations
- Cybersecurity Conference
- Family Day at Biosphere 2
- Marketing Technology Summit
- Governor's Celebration of Innovation

Our members know that active engagement in AZTC committees lead to connections on an even higher level. There are many specialized committees. We'd love you to get involved and create even more value from your membership.

The Tech Council is committed to supporting you! Please contact me if we can help.

Again, welcome and thank you for your involvement. We hope you enjoy the 2020 Southern Arizona Tech + Business Expo.

Sincerely,



Jeff Sales

Executive Director,
Southern Arizona Regional Office
Arizona Technology Council

Businesses aren't the only thing we scale.



Something big, bold and exciting is happening in the Grand Canyon state. Cutting-edge companies are launching, testing and scaling new technologies in Arizona. Our culture of innovation, highly skilled talent pool, lean regulatory environment, and affordable operating costs provide the perfect platform for business growth and success. Beyond being a place where you can achieve your professional goals, Arizona also provides a lifestyle that allows you to achieve your personal goals. With year-round sunshine, endless outdoor activities, and a positive outlook, we play as hard as we work. It's this perfect balance that makes life better here.

ARIZONA
COMMERCE AUTHORITY

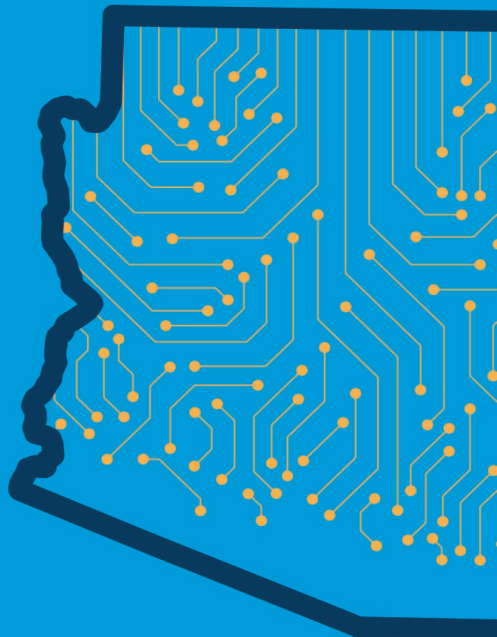
azcommerce.com

AGENDA

- 12:00 - 1:00pm** Pre-event Beach Networking Mixer
- 1:00 – 1:20pm** Welcome and Opening Remarks
- 1:20 – 1:40pm** Keynote Speaker - Raytheon
Roy Donelson - ***"Vision with Precision
for Arizona and the Globe"***
- 1:40 – 1:50pm** Annual Awards
- 1:50 – 2:30pm** Innovator Presentations
- Rincon Research -
"The Future of Digital Signal Processing"
 - Expedient -
"What is Cloud Native"
 - UA College of Optical Sciences -
"Building the Quantum Internet"
-sponsored by Optics Valley Committee
- 2:30 – 4:30pm** Expo Hall
- 4:30 – 6:00pm** after5 Beach Networking Mixer

Discover the benefits of joining an association health plan.

The Arizona Technology Council, in partnership with Blue Cross® Blue Shield® of Arizona, has designed medical and dental plans that meet the specific needs of Arizona Technology Council (AZTC) members.



WHY JOIN AN ASSOCIATION HEALTH PLAN?

As a member of the AZTC, you have access to healthcare benefits that are typically only available to large employers—benefits that can save you money and help you compete for talent.

ELIGIBILITY REQUIREMENTS

Be an AZTC member with a business headquartered in Arizona.

Have two or more employees with at least one common law (W-2) employee who is not a spouse or child enrolling in the plan.

AZTC membership:

membership@aztechcouncil.org

Insurance questions:

healthbenefits@aztechcouncil.org

Additional information:

www.aztechcouncil.org/ahp

WHY BLUE CROSS BLUE SHIELD OF ARIZONA?



ACCESS.

Statewide, with access to a large network of providers including Mayo Clinic, plus Maricopa and Pima County networks.



SERVICE.

Local customer support for care and claims support.



FLEXIBILITY.

Coverage available for businesses with as few as two employees.

SEE BOOTH A31 TO LEARN MORE.

**HAVE QUESTIONS ABOUT BENEFITS
OR WANT TO REQUEST A QUOTE?**

CONTACT:

DiMartino Associates

AZTC@dimarinc.com

1-800-488-8277



**ARIZONA
TECHNOLOGY
COUNCIL**
a place to connect and grow



**BlueCross
BlueShield**
Arizona

An Independent Licensee of the Blue Cross Blue Shield Association

KEYNOTE SPEAKER



**Raytheon
Missiles & Defense**

Roy Donelson

**Senior Director, Strategic Engagement
Systems, Strategic Missile Defense**

Roy Donelson is the senior director and product area director of Strategic Engagement Systems, Strategic Missile Defense for Raytheon Missiles & Defense, a business of Raytheon Technologies. In this role he leads a program portfolio of effectors, counter hypersonic programs and related advanced missile defense technologies.

Prior to the merger with United Technologies in 2020, he was strategic and missile defense systems portfolio director, overseeing SM-3® and kill vehicle programs. He previously served as the managing director for the Raytheon UK Defence mission area and as program director of Tomahawk missile programs for the former Raytheon Company Missile Systems business.

Before Raytheon Technologies, he was a senior consultant in system architecture and systems engineering at Booz, Allen & Hamilton. Donelson also served as a military intelligence officer in the U.S. Army, attaining the rank of captain.

Donelson earned his bachelor's degree in engineering from the United States Military Academy at West Point, New York, and his MBA from the University of Phoenix.

SOLUTIONS FOR THE LIFE OF YOUR MINE



As energy costs fluctuate, high-grade ores become scarcer, and profit margins tighten, productive mines recognize that technology is essential to their success. Companies must be smarter, safer, and quicker to respond to change. Their future depends on it.

Hexagon recognizes that the competitive edge of its customers depends on empowering an autonomous future by integrating, automating, and optimizing critical workflows.

This means smart mines that are efficient to operate, maximize safety and minimally impact the environment throughout the life of a mine.

Innovator PRESENTER



Asif Shadidullah
Electrical Engineer,
Rincon Research Corporation

Asif Shahidullah is an electrical engineer who specializes in digital signal processing (DSP), signal geolocation, digital communications, signal analysis and simulation, and DSP software infrastructure. Asif graduated from the University of Arizona with a B.S. in Electrical and Computer Engineering in 2015. Asif is responsible for overseeing the AstroSDR from a business and technical standpoint. He has been involved with various cubesat and AstroSDR initiatives at RRC since 2016.

Innovator PRESENTER



AJ Kuftic
Principal Technologist,
Expedient

AJ Kuftic is Principal Technologist for Expedient. AJ has 15 years of experience as a customer and partner helping end users build solutions that are sustainable and easy to manage. Having knowledge across various silos of IT infrastructure gives AJ a unique perspective of the pain points and what customers are looking to improve.

When AJ isn't thinking about the next big thing, he spends his time with his wife and 2 children trying to bake the perfect loaf of bread.

WHERE OPTICS, PHOTONICS AND ASTRONOMY CONNECT AND GROW.

Learn more at www.opticsvalleyaz.org

From the quantum internet to
astronomy, Arizona leads the
field in optics and photonics.



Optics Valley is a committee of
the Arizona Technology Council.

Innovator PRESENTER



THE UNIVERSITY OF ARIZONA

Wyant College
of Optical Sciences

Saikat Guha

**Associate Professor, Director,
NSF Center for Quantum Networks**

Saikat Guha is the Director of the Center for Quantum Networks, a \$51M ten-year National Science Foundation Engineering Research Center awarded in 2020, aimed at laying the foundations of the quantum internet.

Guha's background lies at the intersection of information theory and quantum optics. His research interests lie in investigating fundamental quantum-physics-driven limits on photonic information processing with applications to laser communications, quantum-secured and entanglement-enhanced classical communications, designing quantum repeaters for fault-tolerant long-distance high-rate quantum communications, photonic sensors, optical imaging with applications in astronomy and microscopy, and all-photonic quantum computing.

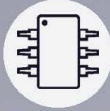
Guha is particularly interested in designing and building structured realizations of optical systems whose performance can approach the aforesaid fundamental limits. He is also interested in network science, and network information and communication theory; and learning from and leveraging decades of research in (classical) network theory to design and build quantum networks paving the way eventually to the quantum internet: a global network of networks that will connect various quantum-powered gadgets (computers, sensors, processors, hand-held devices, etc.) through quantum links that can reliably transmit quantum bits simultaneously among multiple users, serving multiple applications.

RINCON RESEARCH

EMPLOYEE OWNED



RF SIGNAL
PROCESSING



HIGH-PERFORMANCE
ELECTRONICS
DEVELOPMENT



SPACE
SYSTEMS



LIDAR
TECHNOLOGY



HIGH-PERFORMANCE
COMPUTING

Rincon Research Corporation is an incredibly vibrant organization that conceives, analyzes, designs, implements, and tests software solutions for some of the most intriguing Government projects. As a small business headquartered in Tucson, Arizona, since 1983, we have had a history marked by steady growth in both revenue and customers.

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Quarles & Brady
is your go-to law firm
for patents, trademarks,
IP dispute solutions,
and more.

With dedicated patent attorneys and IP litigators in Tucson, Quarles & Brady has one of the most experienced intellectual property groups in Southern Arizona. Our team is backed by a nationwide network of over 500 Quarles & Brady attorneys across 10 offices. Together, we provide the full gamut of legal services to help clients grow their businesses.

Whether you are seeking a partner to help protect your innovations, mitigate risk or capitalize on opportunities, think Quarles & Brady. *We'd love to help your business grow.*

For more information please contact:

Yakov Sidorin, Ph.D., Partner, at **520.770.8700**.

Quarles & Brady LLP



[quarles.com/offices](https://www.quarles.com/offices)

AWARDS

— Presented by Quarles & Brady Today —

Manufacturer of the Year

World View

The company demonstrates leadership as a manufacturer in the region with a new process or product, and involvement with the business and wider community of Southern Arizona.

Innovation Leader of the Year

Paragon Space Development Corporation

The company has made a significant contribution to the Southern Arizona tech community and/or significant contribution to advancing or transforming an industry sector. The company is a recognized technical or innovation leader in Southern Arizona.

Southern Arizona Technology Council Member Organization of the Year

Edmund Optics

The organization has demonstrated support and alignment with AZTC's vision statement: The Arizona Technology Council is the driving force behind making Arizona the fastest growing technology hub in the nation; connecting and empowering Arizona's technology community.

Distinguished Service

Nancy Roth - Principal, Blue Canoe Marketing

The company has made a significant service contribution to the Arizona Technology Council helping drive overall growth and mission impact; particularly in Southern Arizona.



2020 Distinguished Service
Award:

Nancy Roth

blue
canoe
MARKETING



2020 Member
Organization
of the Year:

Edmund Optics



Edmund
optics | worldwide



SPACE • DEFENSE • COMMERCIAL
PARAGON
SPACE DEVELOPMENT CORPORATION

2020 Innovation
Leader of the Year:

**Paragon Space
Development
Corporation**



WORLD VIEW

2020 Manufacturer
of the Year:

World View

BOOTH EXHIBITORS

ARIZONA COMMERCE AUTHORITY - A21

AGM CONTAINER CONTROLS - B12

AVI / SPL - C12

BLACK BAR ENGINEERING - D23

BLUE CROSS BLUE SHIELD OF AZ - A31

BOTCO.AI - B33

CATERPILLAR - A22

DARLING GEOMATICS - C21

DATAFORTH - D22

DELTA DEVELOPMENT TEAM - C41

EDMUND OPTICS - B22

EXPEDIENT - B24

HEXAGON MINING - A11

HYDRONALIX - D21

IBM - A12

INTERLINK ENGINEERING - C34

INVOLTA - C33

IP-TECHNOLOGIES - B23

LEESHANOK - C42

MJS DESIGNS - C22

NUTECH SOLUTIONS - B41

OPTICS VALLEY - B21

PADT - B34

PARAGON SPACE DEVELOPMENT - B42

PIMA COMMUNITY COLLEGE - C32

PRAVICI - C11

PROTOTRON CIRCUITS - B32

PURPLE PLATYPUS - B11

QUAKEWRAP - C24

RINCON RESEARCH - A32

TREGO INTEGRATED SYSTEMS - D34

TUCSON EMBEDDED SYSTEMS - C23 UA

COLLEGE OF ENGINEERING - D24 UA

TECH LAUNCH AZ - D31

UA TECH PARKS/UACI - D32

WORLDVIEW - C31

ZENDESK - B31



HOUSE TREVETHAN

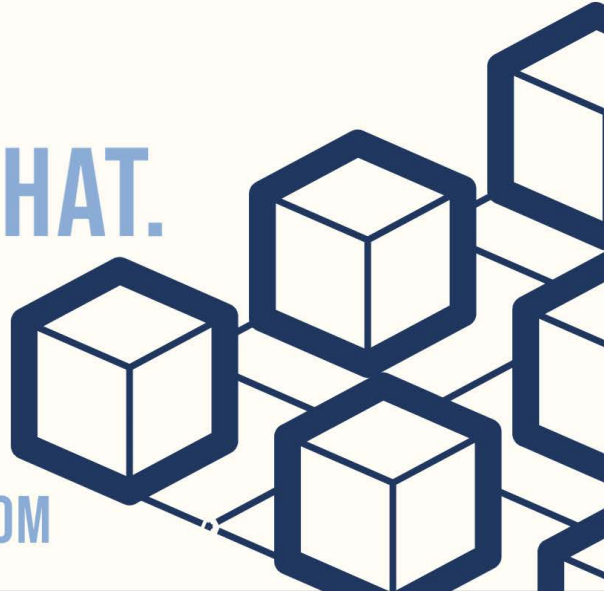
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TECH

COMPLEX SYSTEMS?
NEED TO SCALE?

YEAH, WE DO THAT.

RELATIONSHIP-FIRST
APPROACH TO HOLISTIC
TECHNOLOGY SOLUTIONS.
CONTACT US: [HOUSETREV.COM](https://housetrev.com)



THANK YOU TO THOSE WHO MADE THE
2020 TECH + BUSINESS EXPO POSSIBLE

Chair

Brett Dooley

In-Position
Technologies

Jamie Neilson

Arizona Technology
Council

Committee

Art Geiger

mLogica

Ana Greif

Pima Community College

Steve Delgado

QuakeWrap

Scott Watkins

Nesco Resource

Joel Lohr

Dataforth Corporation

Michael Coretz

Commercial Real Estate
Group of Tucson

Megan Cornman

Phocos Americas

