

Conference Co-Hosts

The Council of Engineering Deans of the Historically Black Colleges and Universities

LICE TINFORMATION USE LECTROLOGY

Actalent

Jacobs

Official Airline

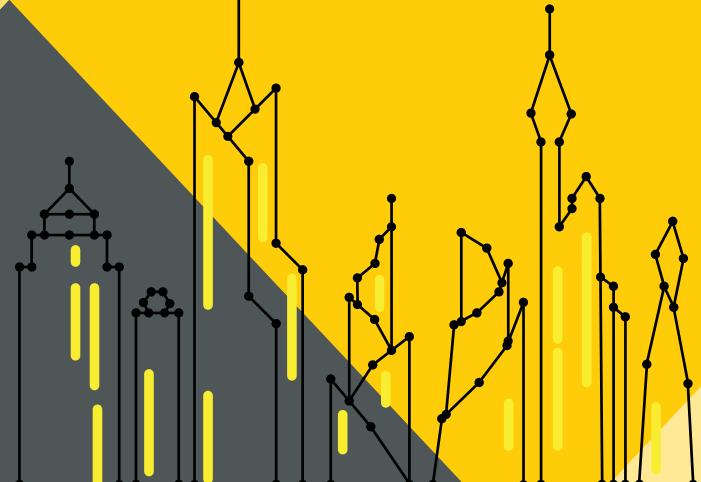
Southwest

ONLINE AND OMNI SHOREHAM HOTEL WASHINGTON, DC



WELCOME TO BEYA36

BEYA is an unequaled year-round transformative digital experience. From healthcare to finance. From Pre K-12 education and mentorship to professional development. From catalysts for change and global engagement to worldwide STEM recognition. With the people, resources, and creativity that help us all reach our full potential within a trusted community that works for social justice so you can Be Everything You Are. Join us for your key to the City: STEM City USA.



THE 36TH BEYA STEM GLOBAL COMPETITIVENESS CONFERENCE

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Career Communications Group, Inc. works closely with our partners to meet individual needs. The availability and published information are correct at press time but are subject to alteration without prior notice.



Dear Corporate, Government, Military, and Student Leaders:

Welcome to the 36th Black Engineer of the Year Awards (BEYA) Science, Technology, Engineering, and Mathematics (STEM) Conference.

As the chair the Historically Black Colleges and Universities (HBCUs) Council of Engineering Deans, it is my honor to join my fellow Deans of the Council and US Black Engineer & Information Technology magazine – in thanking you for attending this year's conference. We also thank Lockheed Martin for co-hosting this year's event with us. As you plan out your itinerary, I encourage you to leverage your 2022 BEYA experience to learn, connect, and build collaborations with a



focus on changing the world, one step at a time. Your actions and your courage to engage diverse minds and tackle the difficult challenges make a difference and simultaneously inspire others to do the same. This year's conference theme: "BEYA 365: Engineering Our New STEM World" is a reminder of the essential role of engineering in the operations and innovations of today's society, and the associated responsibility each BEYA attendee has to "engage, learn, evolve, advance, and thrive".

BEYA's occurrence every February is by design and purpose to celebrate great achievements in the STEM professions, with an unapologetic emphasis on engineering. As a BEYA 2022 attendee (whether in-person or virtually), your active participation in the exciting array of workshops and events provides opportunities to engage in discussions on a wide range of topics. Additionally, BEYA's inclusion of College and pre-College programming is in recognition of our commitment to inspiring, guiding, and encouraging the next generations. We hope you will also enjoy the BEYA's spotlight on the ways in which academic, government, and corporate partners join forces to produce STEM-based solutions, and this conference's celebration of the diverse minds that are leading the way. Congratulations to all BEYA 2022 awardees being honored at this year's conference!

As is our tradition, this year's events will conclude with honoring the 2022 recipient of the "Black Engineer of the Year Award". Congratulations to this year's awardee – Theodore Colbert III, Executive Vice President of the Boeing Company and President and Chief Executive Officer of Boeing Global Services -- on his impressive accomplishments.

A special thank you to Actalent, Jacobs, and Raytheon Technologies for sponsoring this 36th BEYA STEM Conference, and once again, thank you all for joining us for this year's BEYA Experience.

Sincerely,

Robin N. Coger, Ph. D.



February 17, 2022

Dear BEYA Participants:

Welcome to the 2022 BEYA STEM Global Competitiveness Conference. Lockheed Martin is proud to partner once again with Career Communications Group, Inc., and co-host the conference with our friends at the Council of Engineering Deans of the Historically Black Colleges and Universities and U.S. Black Engineer and Information Technology magazine.



Each year, the BEYA STEM Global Competitiveness Conference brings together some of the brightest minds from the disciplines of science, technology, engineering, and math (STEM). At this conference, leaders, educators, and students connect and collaborate to ensure that diverse communities continue to play a central role in shaping the future of global innovation and share in the opportunities presented by the high-tech economy of the 21st century.

At Lockheed Martin, we know that in order to advance scientific discovery, develop new technologies, and solve the world's most complex challenges, our nation must build a strong and diverse pipeline of STEM talent. Whether you're a young student or a seasoned professional, we hope that as you celebrate exemplary leaders and network with top technical talent over the next few days, you will be inspired to pursue a rewarding career in STEM and use your talents to make the world a better place for all. Collectively, let's create opportunities for growth, build a more inclusive society, and drive shared economic progress.

On behalf of my 114,000 teammates at Lockheed Martin, I congratulate all the 2022 award winners – including the 41 Lockheed Martin innovators who will be honored this year. For all those in the BEYA STEM community, I hope that you will be motivated and energized by the people you meet, the stories you hear, and the doors you open. I encourage you to take full advantage of all this conference offers and make connections that will last a lifetime.

Enjoy the conference.

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Sincerely,

James D. Taiclet

Chairman, President and Chief Executive Officer

Lockheed Martin

Jacobs

Hello.

Welcome to the 2022 BEYA conference! As the Chair and CEO of Jacobs, our company is honored to co-sponsor this important event. For more than 30 years, BEYA has brought together thousands of students, industry thought leaders, STEM employers and corporate, government and military professionals to **Becoming Everything You Are**.



This year's theme "Engineering Our New STEM World" allows us to dream big about the future we want to co-create. The rapid pace of change and advancement is no longer novel – and adapting to our industry's accelerated tempo has both challenges and opportunities. By remaining agile, we can constantly learn, experiment, fail and succeed faster than ever before. With each new day, billions of new data points are created, shared, analyzed and leveraged to help keep our world moving forward. By seizing these moments to challenge today and reinvent tomorrow, we have an unprecedented opportunity to create a new STEM world that is not only more connected and sustainable, but also more inclusive, equitable and accessible – for everyone.

Building the foundation for our new STEM world starts with each of us. As we gather in person and virtually, I am confident that we will be even more inspired and committed to becoming a catalyst for change and blazing a new trail for the future of STEM. Our vision for the future is rich; the possibilities are infinite. And actualizing our vision requires diverse perspectives, experiences and voices.

At Jacobs, inclusion and diversity is at the forefront of our goals for 2022 and beyond. More than a year ago, we launched our Global Action Plan for Advancing Justice and Equality. Building on our existing global inclusion and diversity strategy, TogetherBeyond[™], this plan outlines specific initiatives and targets for our ongoing efforts to identify and address racial inequalities across the globe. Over the next five years, we are also taking actions to create a 40-40-20 gender-balanced workforce around the globe – 40% women, 40% men and 20% any gender. Our partnerships with organizations like BEYA, the National Society for Black Engineers and the Society of Hispanic Engineers give us an invaluable opportunity to recruit and connect with brilliant, world-class talent with the drive, commitment and vision to help us make a positive impact on our industry and our world. I invite everyone to visit the Jacobs booth during the career fair to learn more about the opportunities, culture and unique benefits that Jacobs has to offer.

During our time together, we will have opportunities to learn about and discuss the possibilities of the future of STEM. I am particularly looking forward to Jacobs' panel discussion on the Power of a Data-Enabled Culture, moderated by the 2020 Black Engineer of the Year retired Lt. Gen. Bruce Crawford, Senior Vice President of Strategic Development, Communications and Digital Convergence for Jacobs Critical Mission Solutions line of business.

At this year's conference, whether you are participating virtually or in person, I encourage you to be bold, step out of your comfort zone and explore something new. Visit the HBCUs in attendance to learn about their rich histories and industry-leading programs, visit the K-12 organizations at BEYA World II with your family, attend speeches, seminars or panels to immerse yourself in a new idea or outlook.

The new STEM world needs leaders who do what's right, aim higher, challenge the accepted and live inclusion. As you come together to lay the groundwork for our future, I know that you will lead us in the right direction.

Enjoy the conference and stay safe,

Steve Demetriou Jacobs Chair and CEO



Dear BEYA conference participants:

Welcome to the 2022 BEYA STEM Global Competitiveness Conference – an opportunity to network, learn, and imagine "Engineering our New STEM World."

Our company returns as a proud annual sponsor of this event believing that Raytheon Technologies' mission – creating a safer and more connected world – is only achieved by investing in organizations like BEYA, which provide diverse experiences, skills and perspectives to drive innovation in STEM fields. Indeed, we know that the pace of change is exponential, and the skills required today are only a baseline for tomorrow. That makes this event critical to preparing all of us for the global challenges and opportunities ahead.



Like BEYA, I and my nearly 175,000 Raytheon Technologies colleagues around the world, are committed to inspiring young people to pursue STEM careers by engaging them – especially underrepresented students – at an early age. We also recognize the unique experiences and STEM backgrounds of those moving from military to civilian life, and we help to enable that transition. And, we are devoted to an issue that I'm personally passionate about, the value of lifelong learning in altering the course of events, careers and innovation.

By your own participation in this event, you are demonstrating that you, too, believe in the power of diverse perspectives, the exchange of ideas and the inherent potential in collaboration. Thank you in advance for making the most of this unique opportunity and helping us to positively shape the future.

Enjoy the conference.

Gregory J. Hayes

Chairman & Chief Executive Officer

Raytheon Technologies

FULL CONFERENCE SCHEDULE AT-A-GLANCE

The BEYA STEM Conference includes a variety of event spaces for attendees, exhibitors, and sponsors to learn, network, share ideas, and experience entertainment. The virtual spaces will include several lobbies, halls, networking lounges, and auditoriums across two platforms.

- Tribute Hall for Stars & Stripes Event (with dedicated lobby and military services suites)
- Ballroom for BEYA Awards Gala and other signature events
- Seminar Rooms for educational sessions
- Networking Lounges including the BEYA STEMulating Lounge featuring live music every night
- HBCU Village (with dedicated lobby and HBCU engineering schools suites)
- · Trivia-based Gamification

Exhibit Hall (2-Day Career Fair)

- Interview Village (with dedicated lobby and interview suites)
- K-12 Village for pipeline activities
- Auditoriums featuring webinars
- Activity-based Gamification

THURSDAY. FEBRUARY 17. 2022

② 6:00 AM - 11:59 PM EDT

Tribute Hall - Thursday

Value of the Location: Tribute Hall, BEYA World I

HBCU Village - Thursday

Location: HBCU Village, BEYA World I

① 7:00 AM - 8:00 AM EDT

Boot Camp Workout - Thursday

Location: Tribute Hall, BEYA World I

Wake Up with DJ Marc Clarke - Thursday

Cocation: STEMulating Lounge, BEYA World I

② 7:00 AM - 9:00 PM EDT

Registration Hours - Thursday

DTX Location: Hotel Lobby across from the Front Desk

T:00 AM - 11:59 PM EDT

BEYA Networking Suite - Thursday

Location: BEYA Networking Suite, BEYA World I

② 8:00 AM - 6:00 PM EDT

Interview Village - Thursday

① 11:30 AM - 1:00 PM EDT

HBCU VP of Research Executive Forum

Value Location: Seminar Room 4, BEYA World I

Job Readiness Certification: Behavior & Business: Best Practices in Business Etiquette Course Discussion

Location: Seminar Room 6, BEYA World I Session Code: 2802

① 12:00 PM - 5:00 PM EDT

AMIE Board Meeting

Location: Seminar Room 5, BEYA World I

① 1:00 PM - 2:00 PM EDT

Agriculture of the Future: The Opportunities for HBCUs

Location: Seminar Room 2, BEYA World I

DTX Location: Congressional B

Session Code: 2469

HBCU & PWI Research Partnerships: Making Change Together

Ocation: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2468

① 1:30 PM - 3:30 PM EDT

Job Readiness Certification - Interview Success! Practical Approaches to Persuading the Recruiter Course Discussion

Location: Seminar Room 6, BEYA World I Session Code: 2806

2:15 PM - 3:15 PM EDT

Creating Broadband Equity with 5G

Location: Seminar Room 2, BEYA World I DTX Location: Congressional B

Session Code: 2471

Mining Innovation @ HBCUs

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2470

② 3:30 PM - 4:30 PM EDT

Federal Research Funding Opportunities for HBCUs for GFY2022

Location: Seminar Room 2, BEYA World I

DTX Location: Congressional B

Session Code: 2473

New Ideas for Research Administration at HBCUs: Getting Our Share!

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2472

4:00 PM - 6:00 PM EDT

Job Readiness Certification: Interpersonal Skills: Creating and Building Productive Connections Course Discussion

Location: Seminar Room 6, BEYA World I Session Code: 2803

4:30 PM - 6:30 PM EDT

Resume-Writing Workshop Presented by Boston Scientific Corporation

♀ Location: Interview Village- Boston Scientific Suite, BEYA World II

6:00 PM - 7:00 PM EDT

Alumni Welcome Reception Sponsored by The Boeing Company

Location: BEYA Networking Suite, BEYA World I DTX Location: Ambassador Ballroom @ 6:30 PM - 8:00 PM EDT

An Evening with BEYA's Leading Voices

Ocation: Grand Ballroom, BEYA World I

② 8:00 PM - 9:00 PM EDT

DJ Smooth

Location: STEMulating Lounge, BEYA World I

9:00 PM - 10:00 PM EDT

Brian Culbertson

Value of the Location: STEMulating Lounge, BEYA World I

@ 10:00 PM - 11:59 PM EDT

DJ Mike Todd

Location: STEMulating Lounge, BEYA World I

FRIDAY, FEBRUARY 18, 2022

@ 6:00 AM - 11:59 PM EDT

Tribute Hall - Friday

Location: Tribute Hall, BEYA World I

HBCU Village - Friday

↓ Location: HBCU Village, BEYA World I

① 7:00 AM - 8:00 AM EDT

Boot Camp Workout - Friday

Location: Tribute Hall, BEYA World I

Wake Up with DJ Marc Clarke - Friday

Location: STEMulating Lounge, BEYA World I

② 7:00 AM - 6:00 PM EDT

Interview Village - Friday

① 7:00 AM - 9:00 PM EDT

Registration Hours - Friday

DTX Location: Hotel Lobby across from the Front Desk

① 7:00 AM - 11:59 PM EDT

BEYA Networking Suite - Friday

Location: BEYA Networking Suite, BEYA World I

K-12 Village - Friday

O Location: K-12 Village, BEYA World II

② 8:00 AM - 11:00 AM EDT

HBCU Deans' Planning Meeting

Location: BEYA Networking Suite, BEYA World I DTX Location: Embassy Room

② 8:30 AM - 9:00 AM EDT

Coffee Break

DTX Location: Omni Shoreham- West Lobby

9:00 AM - 10:15 AM EDT

STEM Sustainability in Healthcare Presented by Abbott

DTX Location: Congressional B

Session Code: 2788

I Am a Boss Presented by Lockheed Martin Corporation

Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2787

HBCU STEM Career Progression: Military & Beyond

Location: Seminar Room 4, BEYA World I

DTX Location: Executive Room

Session Code: 2938

Power of the P.E.: How to Obtain and Maintain Your Professional Engineering License

Location: Seminar Room 5, BEYA World I

Session Code: 2312

The Path to Being the Best Leader: How to Lead with Charisma, Integrity, and Conviction

Location: Seminar Room 1. BEYA World I

DTX Location: Congressional A

Session Code: 2116

A Day in the Life of a Civilian Engineer in AFMC Presented by the U.S. Air Force

O Location: Seminar Room 6, BEYA World I

Session Code: 2798

① 10:00 AM - 11:30 AM EDT

Stars & Stripes Youth/Flag Mentoring Session (Invite Only)

↓ Location: Tribute Hall, BEYA World I.

① 10:00 AM - 4:00 PM EDT

Friday Career Fair

Value of the control of the control

① 10:30 AM - 11:45 AM EDT

2022 Tech-Next? Adaptability is the New Normal Presented by General Dynamics

Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2789

Strategies for Adapting to Change While Advancing the Art of Automated Systems Presented by Amazon

Location: Seminar Room 6. BEYA World I

Session Code: 2799

The Power of a Data-Enabled Culture Presented By Jacobs

Session Code: 2790

Emerging Technology

Location: Seminar Room 4, BEYA World I

DTX Location: Executive Room

Session Code: 2939

Keep the Flames Burning! Connecting Values, Preserving Identity, and Cultivating Passion to Avoid Burnout

Location: Seminar Room 2. BEYA World I

DTX Location: Congressional B

Session Code: 2339

The Many Faces of Bias: Types of Bias that Create Reality and Alter Outcomes

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2526

① 12:00 PM - 2:15 PM EDT

Job Ready Certification - Innovative and Critical Thinking: Training Your Brain to Solve Problems and Create Solutions Course Discussion

Location: Seminar Room 6, BEYA World I Session Code: 2800

Technology Recognition Event

Location: Grand Ballroom, BEYA World I DTX Location: Regency Ballroom

① 2:15 PM - 2:30 PM EDT

Coffee Break

DTX Location: Omni Shoreham- West Lobby

① 2:30 PM - 3:45 PM EDT

Allyship and Leading in the New Normal Presented by Northrop Grumman Corporation

Location: Seminar Room 3, BEYA World I DTX Location: Cabinet Room Session Code: 2791

National Perspective on Global Energy Part II

Location: Seminar Room 4, BEYA World I DTX Location: Executive Room Session Code: 2940

Giving Back: Protecting Local Communities in Cyber Space Presented by The MITRE Corporation

Location: Seminar Room 5, BEYA World I Session Code: 2792

High Performance Collaboration: Leadership, Teamwork, and Negotiation

Location: Seminar Room 1, BEYA World I DTX Location: Congressional A Session Code: 2123

Job Readiness Certification Maximize Team Building Skills and Success Course Discussion

Location: Seminar Room 6, BEYA World I Session Code: 2805

The Next Big Wave in Technology: Keeping Up with Innovation

Location: Seminar Room 2, BEYA World I DTX Location: Congressional B Session Code: 2467

4:00 PM - 5:15 PM EDT

Cybersecurity

Location: Seminar Room 4, BEYA World I DTX Location: Executive Room Session Code: 2941

It's Time to Take Control: Develop Leadership Habits That Will Take You to the Top!

Location: Seminar Room 1, BEYA World I DTX Location: Congressional A Session Code: 2328

Planning for Success: Increasing Personal Effectiveness Through Time Management

Location: Seminar Room 3, BEYA World I DTX Location: Cabinet Room Session Code: 2617

The Human Element of Cybersecurity Presented by Walmart

Location: Seminar Room 5, BEYA World I Session Code: 2793

With Great Power Comes Great Responsibility: Better Performance Skills for Non-Managers

Location: Seminar Room 2, BEYA World I DTX Location: Congressional B Session Code: 2319

4:00 PM - 6:00 PM EDT

Speed Networking - Raytheon Technologies

Value of the Location: Raytheon Technologies Networking Suite, BEYA World I

Speed Networking - Textron

Location: Textron Networking Suite, BEYA World I

② 5:00 PM - 6:30 PM EDT

WWT Private Reception (Invite Only)

Location: Tribute Hall, BEYA World I DTX Location: Ambassador Ballroom

@ 7:00 PM - 8:30 PM EDT

Men2Men: My Brother's Keeper

Location: Seminar Room 5, BEYA World I Session Code: 2322

@ 7:00 PM - 9:30 PM EDT

Stars & Stripes Awards Dinner

Location: Grand Ballroom, BEYA World I DTX Location: Regency Ballroom

9:00 PM - 10:00 PM EDT

Full House Band featuring Best Intentions and B Ja' Net

Varion: STEMulating Lounge, BEYA World I
 Location: STEMulat

@ 9:30 PM - 10:30 PM EDT

Stars & Stripes Post Event- U.S. Air Force Tribute

Location: Tribute Hall - Air Force Suite, BEYA World I DTX Location: Congressional A

Stars & Stripes Post Event- U.S. Army Tribute

Location: Tribute Hall - Army Suite, BEYA World I DTX Location: Ambassador Ballroom

Stars & Stripes Post Event- U.S. Coast Guard Tribute

 Location: Tribute Hall - Coast Guard Suite, BEYA World I DTX Location: Cabinet Room

Stars & Stripes Post Event- U.S. Marine Corps Tribute

 Location: Tribute Hall - Marines Suite, BEYA World I DTX Location: Congressional B

Stars & Stripes Post Event- U.S. Navy Tribute

Location: Tribute Hall - Navy Suite, BEYA World I DTX Location: Executive Room

① 10:00 PM - 11:00 PM EDT

Eric Roberson

Value of the Location: STEMulating Lounge, BEYA World I

① 11:00 PM - 11:59 PM EDT

DJ Smooth

○ Location: STEMulating Lounge, BEYA World I

SATURDAY, FEBRUARY 19, 2022

② 6:00 AM - 11:59 PM EDT

Tribute Hall - Saturday

Value of the Location: Tribute Hall, BEYA World I

HBCU Village - Saturday

① 7:00 AM - 8:00 AM EDT

Boot Camp Workout - Saturday

Value Location: Tribute Hall, BEYA World I

Wake Up with DJ Marc Clarke - Saturday

Location: STEMulating Lounge, BEYA World I

① 7:00 AM - 6:00 PM EDT

Interview Village - Saturday

② 7:00 AM - 9:00 PM EDT

Registration Hours - Saturday

DTX Location: Hotel Lobby across from the Front Desk

K-12 Village - Saturday

Location: K-12 Village, BEYA World II

② 7:00 AM - 11:59 PM EDT

BEYA Networking Suite - Saturday

① 7:45 AM - 8:15 AM EDT

Coffee Break

DTX Location: Regency Ballroom Foyer

① 8:15 AM - 9:45 PM EDT

HBCU Engineering Deans' Recognition Event

Location: Grand Ballroom, BEYA World I DTX Location: Regency Ballroom

9:00 AM - 3:00 PM EDT

CAPSTONE

Location: Tribute Hall, BEYA World I

① 10:00 AM - 11:15 AM EDT

Sustaining Small Businesses During COVID-19 Pandemic Panel Part II

 Location: Seminar Room 4, BEYA World I DTX Location: Executive Room Session Code: 2942

Turning Information Chaos into Reliable Data: Tools and Techniques to Interpret, Organize, and Increase Reliable Business Results

Location: Seminar Room 2, BEYA World I DTX Location: Congressional B Session Code: 2407

Strategic Executive Leadership: Discover Essential Leadership Skills That Change the Game

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2107

The Top Secret: Applying for and Leveraging a Security Clearance

Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2308

@ 10:00 AM - 12:15 PM EDT

Engineering the New STEM World: Sharing How to Engage, Learn, Evolve, Advance and Thrive Presented by The Boeing Company

DTX Location: Ambassador Ballroom

Session Code: 2794

10:00 AM - 4:00 PM EDT

Saturday Career Fair

① 11:00 AM - 11:30 AM EDT

Coffee Break

DTX Location: Omni Shoreham- West Lobby

@ 11:30 AM - 12:30 PM EDT

Campus Coordinator Appreciation Session

Varion: BEYA Networking Suite, BEYA World I
 Various Services
 Various Service

① 11:30 AM - 12:45 PM EDT

Bring Your "A" Game: Using Effective Strategies to Strengthen Your Test Taking Skills

Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2618

Purpose-Driven Mentoring: How to Find, Pick, and Create Powerful Mentor Relationships

Location: Seminar Room 2, BEYA World I

DTX Location: Congressional B

Session Code: 2122

The Future of Healthcare: COVID and Beyond

Location: Seminar Room 4, BEYA World I

DTX Location: Executive Room

Session Code: 2943

Transformational Leadership: Become a Leader Who Makes a Difference

Value Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2135

① 1:00 PM - 2:15 PM EDT

Get Going! Get Motivated!! Keep Growing with Better Discipline!

Value of the Location: Seminar Room 5, BEYA World I

Session Code: 2140

Getting Familiar and Started with MITRE ATT&CK Presented by The MITRE Corporation

Location: Seminar Room 4, BEYA World I

DTX Location: Executive Room

Session Code: 2796

Having Our Say: The Influence of Black Women at the Table Presented by Raytheon Technologies

Location: Seminar Room 2, BEYA World I

DTX Location: Congressional B

Session Code: 2795

How to Grow Leaders from Within

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2136

Success Driven Study Habits: How to Increase Positive Study Skills

↓ Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2619

② 2:30 PM - 3:45 PM EDT

Corporate Seminar

Cocation: Seminar Room 4, BEYA World I

DTX Location: Executive Room

Session Code: 2797

Deans Roundtable

Location: Seminar Room 6, BEYA World I

Session Code: 2320

The Skills to Master Growth: High Impact Solutions for Complex Business Challenges

Location: Seminar Room 5, BEYA World I

Session Code: 2466

Welcome to the Workplace: The New Gender in the Workplace

Location: Seminar Room 1, BEYA World I

DTX Location: Congressional A

Session Code: 2525

X-treme Resumes: How to Go from Overlooked to Overbooked for Interviews

Location: Seminar Room 3, BEYA World I

DTX Location: Cabinet Room

Session Code: 2620

6:00 PM - 7:00 PM EDT

BEYA Awards Ceremony Pre-Reception

DTX Location: Regency Ballroom Foyer

① 7:00 PM - 9:30 PM EDT

BEYA Awards Ceremony

Location: Grand Ballroom, BEYA World I DTX Location: Regency Ballroom

② 9:00 PM - 10:00 PM EDT

DJ Smooth

♥ Location: STEMulating Lounge, BEYA World I

① 10:00 PM - 11:00 PM EDT

Grammy Nominated Guitarist Doc Powell

Location: STEMulating Lounge, BEYA World I

① 11:00 PM - 11:59 PM EDT

Marion Meadows

Location: STEMulating Lounge, BEYA World I

① 11:59 PM - 2:00 AM EDT

DJ Fingers

↓ Location: STEMulating Lounge, BEYA World I

ONSITE AT THEOMNI SHOREHAM

As we move cautiously and deliberately toward a future of "new normal", we continue to seek out innovative ways for the BEYA community to participate in the annual conference. This year, the BEYA STEM Conference introduces the digital-twin experience (DTX), which integrates the in-person and the digital experiences to ensure accessibility regardless of how attendees participate.

The DTX experience includes a small cohort of self-selected in-person attendees, award presenters as well a few workshop presenters and panelists and the digital attendees. Together, we will chart the course for future events where the in-person and digital experiences intersect to make everyone feel included regardless of where they are. The schedule of events in this guide highlights the events that are available in-person with a designated DTX Location.

As dictated by the ongoing COVID-19 pandemic, traditional on-site activities like registration, seating at events, seminar participation, networking, and recruiting all take on new forms. This guide will address many of the changes. We are always available to answer your questions online and on-site at the Omni Shoreham Hotel.

COVID-19 POLICY

The in-person component of BEYA36 will comply with the Washington, DC COVID-19 Health Guidance for Masks and Cloth Face Covering Guidance for the General Public, which among other things require wearing a face mask during indoor events.



Additionally, we will comply with the VaxDC: Vaccination Entry Requirement for Certain Businesses.

All attendees will be asked to show proof that full vaccination was completed at least 14 days prior to the event and identification before entering the event.

A person is considered fully vaccinated:

 14 days after their second dose of a two-dose vaccine series, such as the Pfizer and Moderna vaccines or any World Health Organizationapproved vaccine for international participants listed below.

- Oxford/AstraZeneca
- Serum Institute of India/Covishield
- Sinopharm (Beijing)
- Sinovac/CoronaVac
- 14 days after a single-dose vaccine, such as Johnson & Johnson's Janssen vaccine.

There will be no exceptions to the requirement to be fully vaccinated.

REGISTRATION

The conference badge is a symbol of your connection to the BEYA STEM Conference. It helps us to recognize other conference attendees and to facilitate networking. As we continue to operate with less certainty about the environment for gathering safely, we continually seek for ways that bring us closer to the norm we left behind in the pre-pandemic times. Early registrants will receive personalized conference badges while those who missed the registration deadline will receive a generic badge. All badges will be available for pickup at the Omni Shoreham Hotel BEYA Registration desk.

Registration Location: Omni Shoreham Hotel Lobby

Registration Hours:

Thursday, February 17 7:00 AM - 9:00 PM EDT Friday, February 18 7:00 AM - 9:00 PM EDT Saturday, February 19 7:00 AM - 9:00 PM EDT

DTX ROOMS

To bring the physical and digital audiences in the seminars, we outfitted four (4) seminar rooms with the technology that integrates the physical and in-person audiences. These rooms offer complimentary internet and classroom style seating, which will allow you fully participate in the conference. Simply bring your laptop, mobile device and earbuds!

EVENT SEATING

While past BEYA conferences offered arranged seating through a ticketing process, this year's conference will be open seating for all attendees except the peer-reviewed award recipients and one guest.

ONSITE AT THEOMNI SHOREHAM

ATTIRE

- Thursday, February 17, 2022
 All Day: Business
- Friday, February 18, 2022 All Day: Business
- Saturday, February 19, 2022

Day: Business Gala: Black Tie

CONCIERGE

The Concierge Desk is located at the front entrance of the hotel.

Hours: 6:30 a.m. - 11 p.m. daily.

Phone: 202-756-5173

CONFERENCE SECURITY

If you have security questions or your security needs information, please contact CCG Security: securityteam@ccgmag.com or contact either Kedrick Scribner at 410-491-0723. Omni Shoreham Hotel is responsible for the safety and security of hotel guests and associates. Loss prevention responds to security-related issues and is trained in CPR and First Aid.

LOST AND FOUND

If you lose or find something during the conference, please visit the BEYA Registration located in the Main Lobby. After the conference, all unclaimed items will be entrusted to Lost Prevention at the hotel. (202) 756-5173

Career Communications Group, Inc. is not responsible for any lost, stolen, or damaged property. Career Communications Group, Inc. is not responsible for personal injuries, illness, or death for any reason whatsoever, including ordinary negligence.

EMERGENCY PROCEDURE

The Omni Shoreham hotel is fully prepared to handle different types of situations and to assist our guests. The following is information on emergency procedures:

- The hotel house phones automatically connect to the hotel operator.
- The hotel has an emergency response team 24 hours a day. In the event of an emergency, picking

Terrace Parkview Rooms ADA Flevator Blue Room Blue to Blue Room Prefunction Room & Parkview Building Parking Lot Little Something Gormet East Registration Capitol Room **EAST LOBBY** Embassy Room 9 **Telephones** News Stand Gift Shop Women's Lounge Hampton Room Front Desk & Reception East Calvert Conference Governors Center **Board Room** ADA Ramp To Lobby

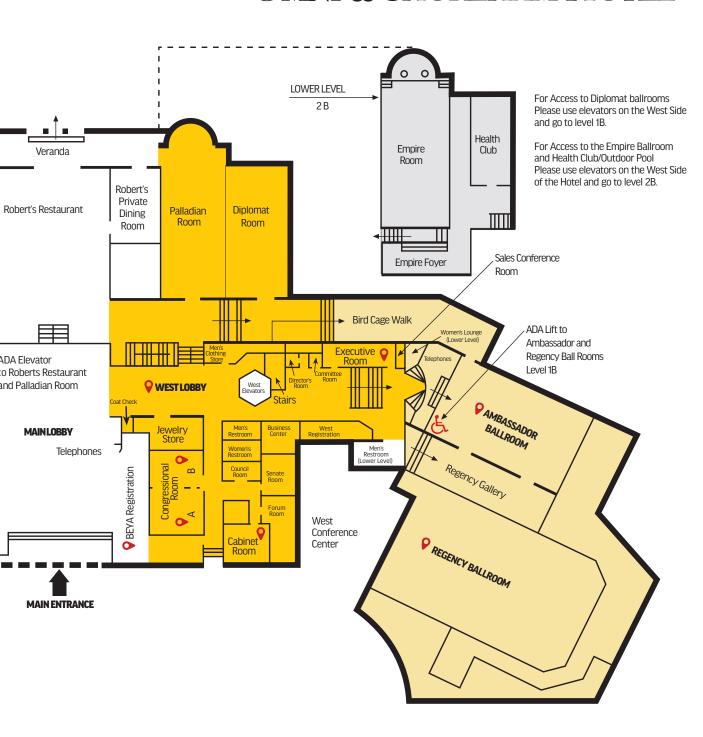
DTX LOCATIONS

Ambassador Ballroom Cabinet Room Congressional A Congressional B Embassy Room Executive Room Regency Ballroom West Lobby

up a hotel house phone will connect the caller with the hotel operator and initiate the appropriate response.

 Paramedics, the Fire Department, and the Police Department are all located approximately five to seven minutes from the hotel. Our Security Department, as well as a small number of other

OMNI SHOREHAM HOTEL



employees, is trained in CPR and First Aid.

- Emergency evacuation routes and procedures are located on the inside of all guest room doors.
- Nearest emergency room: Medstar Georgetown University Hospital
- Nearest hospital: Medstar Georgetown University Hospital, 202-444-2000

Career Communications Group Inc. is not responsible for personal injuries, illness, or death for any reason whatsoever, including ordinary negligence.

NAVIGATING BEYA36 PLATFORM







TECHNOLOGY REQUIREMENTS

The BEYA digital platforms require updated modern browsers and reliable Internet to access them and for the best experience. They support Zoom and other Zoomlike tools for webinars and other videoconferencing activities and use advanced features to support our awards programs and education sessions.

EQUIPMENT FOR COMPUTER OR LAPTOP AND ZOOM

To use Zoom on a laptop or computer you will need:

- A computer or laptop which has speakers, a microphone, and a video camera. If your laptop doesn't have a video camera, you can buy these inexpensively. You can also join a Zoom meeting without a camera, but we don't recommend it.
- If your computer doesn't have speakers or a microphone, you might try hands-free headphones which have an integrated microphone. Using headphones is a good thing so that you don't disturb others.
- A reliable internet connection and preferably a quiet room.

EQUIPMENT FOR MOBILE OR TABLET AND ZOOM

While the portal can be accessed via a mobile device, our strong recommendation is to experience the

virtual event on the larger screen of a computer. The environment is a visual experience made to look like a physical event and the larger screen is important and some features will not be the same on a mobile device.

INTERNET CONNECTION REQUIREMENT

The bandwidth used by Zoom will be optimized for the best experience based on your network. It will automatically adjust for 3G, Wi-Fi or Wired environments.

SUPPORTED BROWSERS

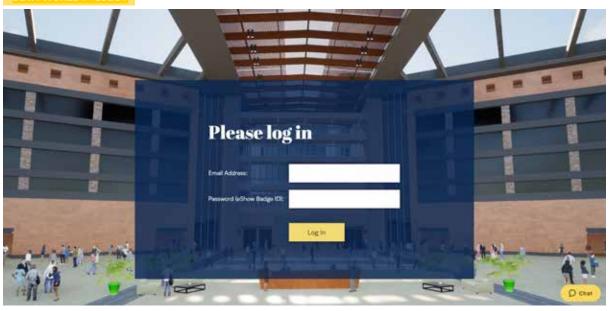
- PC: Firefox 27+, Chrome 30+, Edge 12+
- Mac: Safari 7+, Firefox 27+, Chrome 30+
- Linux: Firefox 27+. Chrome 30+

DOWNLOAD ZOOM

Please download Zoom if you do not have it installed on your computer or Laptop. You'll need the application to participate in the 2022 BEYA STEM DTX Conference, which uses the Zoom platform for video conferencing. Please adhere to the technology guidelines outlined above.



BEYA WORLD I - LOBBY



ACCESSING THE EVENT

All conference registrants will receive an email with the link to the platform within a few days before the start of the conference. It will contain the email address that you used to register to use as your username and your Badge Id number, which will function as the password. Together, these will allow you to access the conference platform.



The profile information for All-Access and One-Day access attendees is housed in the eShow Attendee Service Center with your registration information. This information is ported over

to the conference platform. We recommend that you add your photo, update your title and other contact information in eShow. Career Fair only attendees will access BEYA World II with the email address and password established when you registered.

PLANNING AHEAD

We recommend that you visit BEYA Central to view the orientation video and spend some time in the public areas before you get started.

Once you have successfully logged into the main conference platform (BEYA World I), spend some time learning how to use the tool. Review and update your schedule for the 3-day event so that you don't miss the events that are important to you. Once you have created your agenda and bookmarks in eShow, registrants (once logged in), will be able to access their selections in BEYA World I from the main navigation bar, you now have the advantage of simply clicking on your event, which will take you directly to the event when it is time to attend.

Consider the benefits of downloading the BEYA App as another tool to help you manage your agenda, locate and chat with other attendees, view and connect with speakers and panelists.

NAVIGATING THE CONFERENCE

Throughout the conference platform on BEYA World I, you will encounter audio cues to help you navigate the activities. You will also enter rooms where videos are running. What is important to know is that you can mute these audio cues when you want. For the best experience, we recommend that you visit all the spaces. In addition to learning and recognition events, the platform offers entertainment and games to keep you connected to the BEYA STEM Community.

BEYA CENTRAL

True to the DTX experience, we have opened portions of the platform to those who registered as well as those who are simply curious about the event. BEYA Central is the first stop where the BEYA virtual ambassador welcomes you and invites you to visit the Information Center or to proceed to either of the BEYA World I or II. In the Welcome Center, visitors can interact with various artifacts in the room to learn about the event. BEYA Central is the hub for several live interviews and the 24/7 BEYATV programming.

NAVIGATING BEYA WORLD I LOBBY

Once you are inside the main conference platform (BEYA World I), you will have the opportunity to explore all that the conference has to offer by using the links located at the top menu on the lobby page, and by visiting named virtual rooms, lounges, halls and navigating back to BEYA Central to visit BEYA World II.

BEYA WORLD II LOBBY



If you haven't built out an agenda yet, we highly recommend that you do so now in the eShow Attendee Service Center as each event on your agenda is linked to the virtual room in which the event takes place. Updates to the agenda are ported over to the conference platform hourly. Don't worry if you can't make every session of interest, recordings will be available on the platform within

24 hours after the session and are 365 days after the conference ends.

NAVIGATING THE SEMINAR ROOMS

Education sessions are accessible from your agenda or by visiting the seminar rooms. Each room displays a menu of scheduled events. Since all sessions are live, the interactive portions are only accessible at the scheduled time. You are encouraged to submit questions via the chat function in the seminar rooms. The session moderator will manage questions for the speaker and panelists during the scheduled Q&A portion of the presentation.

Any handouts as well as speaker bios and contact information will be accessible in the BEYA App.

NAVIGATING THE GRAND BALLROOM

The Grand Ballroom is the main auditorium where the recognition events are held. You will see a list of the events that are scheduled to take place in the Ballroom. You will be able to access live events approximately 5 minutes before the scheduled start time. The event program guide will be available for viewing or downloading once you enter the event.

NAVIGATING NETWORKING LOUNGES

Whether you plan to network with attendees on your own or to join a scheduled networking event, head to the networking lounge to find out what's happening. The main lounge will remain open throughout the conference. There you will find scheduled live events, discussion groups, the 2022 BEYATV channel, and other activities. The STEMulating Lounge hosts the daily entertainment lineup for BEYA36.

NAVIGATING THE BEYA WORLD II EXHIBIT HALL

Exhibitors will be available to interact live with attendees from 10:00 AM – 4:00 PM on Friday, February 18 and Saturday, February 19. The exhibits will be accessible beginning on Thursday so that you can begin to download and view relevant literature about the organizations with whom you plan to interact. You should use this time to familiarize yourself with the chat functions and how to upload your resume.

ATTENDING THE CONFERENCE

NETWORKING TIPS

Set up your event profile. Putting some effort into your event profile will allow other attendees to discover who you are, what you do and how to reach you outside the virtual world. Think of your profile as a business card with the benefit of additional space to elaborate.

Take advantage of group chats. The conference will offer targeted group chat topics as well as the opportunity for you to start your own conversation topics. Use these opportunities to join in as an expert or as a community member looking to learn from others.

Set aside time to network. Virtual conferences aren't just for learning, they're for connecting. Yes, networking is alive and well even at a distance. Attend networking events with other attendees or co-workers with a goal to expand your network by connecting with as many other attendees as possible.

Follow Hashtags. Contribute to conversations or start one of your own on the BEYA STEM Conference's hashtags: #beyastem36 #beyaawards #beya2022

BEFORE THE CONFERENCE

Block off your calendar. Attending the 2022 BEYA STEM Conference shouldn't take a back seat! You chose to attend for the value you saw in the speakers, and the trusted BEYA community. You saw the opportunity to learn and grow. Let your coworkers know that you are busy and try not to check your email while you are in sessions.

Schedule your time based on live and on-demand content. Now that you've blocked off your calendar, begin building you schedule taking into account the variety of content being offered. While most of our sessions are live, some are on-demand and can be viewed later. Also, keep in mind that all sessions will be available yearlong in STEM City USA. This means that you can be strategic when building your schedule.

Keep your family in the loop. Working from home has its perks and is never truly just work! This often means that sometimes life gets in the way and demands your attention. It's likely that you have already established a daily work schedule. Plan to maintain the same schedule during the conference.

DURING THE CONFERENCE

Build in snack and meal breaks. While in-person events would have built-in breaks and coffee setup in the hallways, your virtual conference F&B is mostly on you. Don't wait to figure this out in the middle of the conference.

Actively participate in sessions. By focusing on the live sessions, you will learn more and have some great conversation starters for the networking events. Take note of interesting information that you want to learn more about and prepare yourself to ask the presenters or others how they have implemented the tips.

Go old-school. Ditch the electronics and take notes on paper! You will want to focus your attention away from the mouse and keyboard and onto your computer screen, which should be in full-screen mode during the sessions. Keep your mobile phone nearby and logged in to the conference app to receive notifications, check out the speakers' credential, and to communicate with other attendees.

Attend with others. The BEYA STEM Conference is better when you attend with friends and coworkers. Make plans to catchup and discuss sessions after the fact or during the conference. Message them during the conference about interesting information you picked up during the conference or specific sessions. We recommend screen casting the recognition events to your Smart TV to share events with family and friends.

Stand and stretch. Don't feel that you have to stay confined to your chair the entire time. Build in breaks between sessions and when you are not on video. Stand up and walk around in place to help you stay focused on the content.

AFTER THE CONFERENCE

Set up time to re-watch. One of the benefits of the BEYA STEM DTX Conference is that the content is available on-demand 24 hours after the lie session and yearlong in STEM City USA after the conference. Whether during the conference or right after, set aside some time to review something you missed so you can make the most of the content you absorbed.

STAYING ENGAGED

DIGITAL ENGAGEMENT IDEAS

The 2022 BEYA STEM DTX Conference provides many opportunities to connect with others and engage in important discussions both during and after the conference. Not only can you "attend" The 2022 BEYA STEM DTX Conference on the digital platform February 17-19, but you also receive on-demand access yearlong. This is not just a 3-day event — here are some ways to keep the conversations going long after February 19.

Join the BEYA Facebook group to connect with others leading up to, during, and after the convention. The group is about meeting people with similar interests and helping each other out. It's changing "what can you do for me?" to "what can I do for you?" Share your skills/talents/expertise with others or request the assistance of other attendees!

Host a watch party. Pick a couple sessions you're excited about watching and invite others to watch with you. Set a time to discuss and share a video chat link with your friends and colleagues or post it in the BEYA Facebook group. Don't try to cram everything into February 17-19. You have 365 days to view the recordings on our platform.

Join the conversation on Twitter: Follow @ BlackEngineer and use one of the hashtags #beyastem36, #beyaawards and #beya2022 to participate in the live thread during the main stage events.

Mark your calendar for the BEYA Gala on February

19. Make yourself a sumptuous dinner, dress up in something other than sweatpants, and enjoy the show on your Smart TV. Then, connect with your colleagues (or friends) on a video call to congratulate the award winners celebrate with them or join us for entertainment in the STEMulating Lounge.

CODE OF CONDUCT

CODE OF CONDUCT POLICY

All attendees, speakers, sponsors, and volunteers at the BEYA STEM Virtual Conference (BEYA) are required to agree with the following code of conduct. We are expecting cooperation from all participants to help ensure a safe environment for everybody: Be excellent to each other, show empathy, and help make this a safe space to explore tangible, equitable solutions.

THE BEYA DIGITAL CONFERENCE CODE OF CONDUCT

BEYA is committed to providing a safe, productive, and welcoming environment for all meeting participants and BEYA staff. All participants, including, but not limited to, attendees, speakers, volunteers, exhibitors, BEYA staff members, service providers, and all others are expected to abide by this Virtual Programs Code of Conduct. This Policy applies to all BEYA conference-related events, including those sponsored by organizations other than BEYA but held in conjunction with BEYA events, on public or private platforms.

BEYA has zero-tolerance for any form of discrimination or harassment, including but not limited to sexual harassment by participants or our staff at our conferences. If you experience harassment or hear of any incidents of unacceptable behavior, BEYA asks that you inform Quentin Kennedy, BEYA Code of Conduct Monitor, 469- 878-6734 or Email quentinkennedy10@ gmail.com so that we can take the appropriate action.

Unacceptable Behavior is defined as:

- Harassment, intimidation, or discrimination in any form.
- Verbal abuse of any attendee, speaker, volunteer, exhibitor, BEYA staff member, service provider, or other meeting guest.
- Examples of verbal abuse include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, BEYA staff member, service provider, or other conference guest.

- Disruption of presentations during sessions, in the exhibit hall, or at other events organized by BEYA throughout the digital conference. All participants must comply with the instructions of the moderator and any BEYA digital event staff.
- Presentations, postings, and messages should not contain promotional materials, special offers, job offers, product announcements, or solicitation for services. BEYA reserves the right to remove such messages and potentially ban sources of those solicitations.
- Participants should not copy or take screen shots of Q&A or any chat room activity that takes place in the digital space.

BEYA reserves the right to take any action deemed necessary and appropriate, including immediate removal from the meeting without warning or refund, in response to any incident of unacceptable behavior, and BEYA reserves the right to prohibit attendance at any future conference, virtually or in person.

ORIGINAL SOURCE AND CREDITS

- American Society of Association Executives
- Tech Inclusion





GETTING HELP

The help icon is located throughout the platform. It is there to help you in the event you encounter issues with the platform or if you have questions about the events. Technical and event help will be available during the conference hours by chat or by email.



ENGAGE. LEARN. EVOLVE. ADVANCE. THRIVE.

PRE-COLLEGESCHEDULE OF EVENTS

College-bound students are invited to attend the career fair in BEYA World II where they meet with colleges. Student surveys confirm positive attitudinal changes towards the attainability of a STEM career in the majority of students participating. These workshops and activities have been valuable tools in helping to fill the STEM pipeline and have greatly benefited students by granting them exposure to STEM employers and professionals as well as providing the opportunity to meet with colleges and universities.

FRIDAY, FEBRUARY 18, 2022

① 10:00 AM - 10:50 AM EDT

"Putting a Spin on STEM: The Importance of Soft Skills Presented" by Huntington Ingalls Industries

"Project Whirly Bird" Presented by The Boeing Company

Financial Aid 101: How to Afford College and Achieve Your Dreams

Cyber Security- Safeguarding Democracy and Securing Employment

SAT Prep - Winning Test Taking Strategies

Getting Accepted: Mastering the College Admission Process

Roundtable/ Mentoring Session

"How To Build A Ship!" Presented by American Society of Naval Engineers

"The Skilled Technical Workforce: America's Blue Collar STEM Workforce" Presented by University of DC

"E Sports Gaming" Presented by the Patriots Training Center

"Medical Careers" Presented by the Patriots Training Center

"Intro to Patents: Intellectual Property for Students" Presented by Summit Scholars

"A Conversation with the Future" Presented by General Motors

"Are You Linked In or Linked Out" Presented by General Dynamics

① 11:00 AM - 11:50 AM EDT

"Putting a Spin on STEM: The Importance of Soft Skills Presented" by Huntington Ingalls Industries

"Project Whirly Bird" Presented by The Boeing Company

Financial Aid 101: How to Afford College and Achieve Your Dreams

Cyber Security- Safeguarding Democracy and Securing Employment

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"How To Build A Ship!" Presented by American Society of Naval Engineers

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"Medical Careers" Presented by the Patriots Training Center

"Intro to Patents: Intellectual Property for Students" Presented by Summit Scholars

"A Conversation with the Future" Presented by General Motors

"Are You Linked In or Linked Out" Presented by General Dynamics

① 12:00 PM - 1:00 PM EDT

Pre-College Townhall, BEYA World II, K-12 Auditorium

2022 BEYA AWARDS RECIPIENTS UP-CLOSE

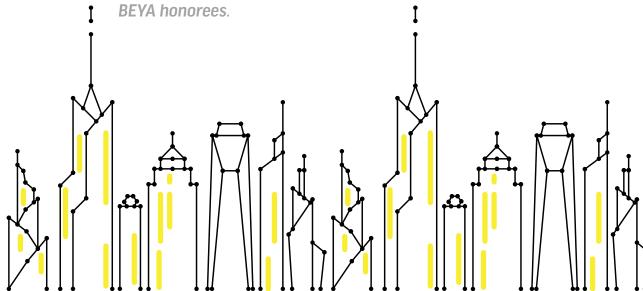
GETTING TO KNOW THE WINNERS



Take a closer look at the BEYA award recipients. These remarkable women and men do not fit the stereotype of the people we conjure in our imaginations when we think about science, technology, engineering, and mathematics. We hope to inspire you to new heights by revealing another dimension of these accomplished men and women.

Every year at the BEYA STEM Conference, we watch amazing people appear on stage, and we listen to their acceptance speeches. We hear about their trailblazing career achievements, life journeys, ups and downs, and everything in between. The outstanding men and women you see and everyone you meet throughout the duration of conference are no different than you and I.

This year, US Black Engineer & Information Technology magazine asked a few questions to this year's awardees to help you get to know them a bit better. Here are some fun facts from a few of the 2022



CARFFR ACHIFVEMENT IN GOVERNMENT AWARD

ADEDEJI B. BADIRU. PH.D., P.E.

Dean, Graduate School of Engineering and Management Air Force Institute of Technology



What inspired you to pursue STEM: "The passion to tinker with physical objects to find out how they work and how they can be improved."

Advice for STEM Students: "Get into it, stick with it, and make something great of it so that you can make a difference in the society."

How do you Inspire?: "I inspire other through mentoring and direct engagement. I use what I call "inclusive and integrative leadership style," which allows me to include and involve those around me. I embrace and promote the Chinese philosophy of "Tell me and I forget; Show me and I remember; Involve me and I Understand." In this context, I take delight in telling, showing, and involving my coworkers in organizational pursuits."

Fun Facts:

- I write motivational poems.
- · I paint, mostly landscapes.
- I do what I call "Deji's concrete expressions," which is molded artistic shapes using cement, similar to pottery.
- I engage in kitchen science experiments.
- I engage in woodworking, making simple tables of unique characteristics.

THE GENERAL LESTER LYLES LEGACY AWARD

CAPTAIN MIRANDA BRAY

F-15E Fighter Pilot, Weapons/Tactics Officer U.S. Air Force

What inspired you to pursue STEM: "The biggest challenges in the world are being solved by STEM. Keeping up with the changes requires staying engaged with the advancements. STEM Careers have the

greatest potential to affect our future and the world around us, and I'm inspired by the potential that humans have today to make a meaningful difference through STEM."

Advice for STEM Students: "There are very specific pathways to becoming a military aviator and if you are interested I would highly recommend making a connection with someone who has gone through the process. I hope anyone seriously interested will connect with me or with a local ROTC detachment for more information on the process. With all STEM careers I believe hard work and finding a passion for the work you're doing is critical. Additionally, aviation is based on a foundation of habit patterns and knowledge. You need confidence that comes from your preparation, and that can only be gained through hard work and study. It's worth it to have the most exciting jobs in the world, though!"



Biggest Influence: "My mom is a tough cookie and incredible woman. She has always been the model for hard work, excellence, and competitiveness, but she balances those attributes with the quality of making everyone around her feel special. She has been a high school teacher for 20 years and her dedication to her job really amazes me. She has taught me how to inspire others by supporting them and reminding them relentlessly what they are capable of. She has done that for me my entire life and actually convinced me I could do great things! Without her I would never be where I am today."

Favorite Apps:

- Peloton, DownDog, Instagram for all my workouts.
- Goodreads to keep up with what my friends and colleagues are currently reading.
- AirBnb, for all of my travel needs now that the world is reopening.
- Splitwise is great for traveling with friends and sorting out bills with roommates.

RESEARCH I EADERSHIP AWARD

TOLESSA DEKSISSA, PH.D.

Director of Water Resources Research Institute College of Urban Sustainability and Environmental Sciences University of the District of Columbia



Advice for STEM Students: "Embrace failure, a perfectionist is the enemy of progress. You cannot grow without failure. Failure gives us a new opportunity to learn if we embrace it. Embracing failure helps you think or move forward regardless of the outcomes and ultimately sharpens your skill. This reminds me of skateboarding. Before becoming good at skateboarding, you must fall thousand times. I see some students hesitating to respond to critical thinking questions, volunteering to lead a group discussion, not trying anything that they do not strongly believe they knew. Perfectionism is the enemy of progress and progress requires practice including failure. Competence - capitalize on your strength and improve your weakness. Doing well in what you do. Be open-minded - It helps us learn a new idea, motivates innovation and creativity."

What inspired you to pursue STEM: "I love math and sciences starting at the early stage of my school life. I noticed my strength in math and science when I was in grades 7 and 8. In high school, my favorite courses where physics and biology. These two courses including math have contributed to my career path and what I am today."

Favorite Websites:

- Sciencedirect This is where I can often search for the latest publications.
- 2. Google Scholar This is where I search for full peer-reviewed articles when I cannot find them in ScienceDirect.
- Researchgate This is where I network with my peers and search for the latest publications.
- TedTalk This is where I gain a lot of inspiration and motivation.

- Restek This is where I can find the latest technologies and lab supplies for my research projects related to organic contaminants.
- FisherScientific This is where I can order most of my laboratory supplies.

THE DR. WANDA M. AUSTIN LEGACY AWARD

JOHNNY M. JACKSON JR., P.E.

Manager of Projects - Aviation Jacobs

Advice for STEM Students: Learn all aspects of your craft and be willing to accept those stretch opportunities, when they arise.



What inspired you to pursue STEM: "I remember asking my high school counselor about career opportunities and she suggested I consider engineering given my high grades in math and science. I then read up on all the career fields in engineering to see if her suggestion was accurate. After reading about them, I determined a career path in Civil Engineering appeared to resonate the most with me."

Favorite Books: "Fresh Wind Fresh Fire" by Dean Merrill and Jim Cymbala

Fun Facts: "I enjoy cruising as I have been on 7 cruises and counting (please end COVID). I also love movies and have a pretty decent home theater with a movie collection of over 700 movies."

THE DRIVING WITHOMAS LEGACY AWARD

K. O'DALE SATTERFIELD

Chief Engineer - Operations Manager The Goodyear Tire and Rubber Company

Advice for STEM Students: "Stay humble and be willing to listen to those that have gone before you and don't be afraid to ask for help or guidance when you are feeling overwhelmed."



What inspired you to pursue STEM: "I've always loved math and science and when I met my best friends dad, Ed Gramling, he was an Engineer for Gulf Oil during the 80's & 90's, and I saw how he was able to provide for his family and see the world. Coupling this with my love for math and science, it inspired me to want to do the same for my family. I also saw how he gave back to the community, by being involved in local youth athletics and church activities."

Fun Facts:

- Gave my life to Christ in '88
- · Played Pro Football in the UFL
- Professional musician- Played drums on 2 Gospel albums (Jackie Burns and Trinity Fellowship and Alvin Summers & VIP)
- Love to workout and stay in some semblance of shape...lol
- Steelers fan through and through
- Black Panther, Transformers, Avengers movies, anything with Kevin Hart or Dwayne Johnson, and Tombstone are my favorite movies of all time!!

not give up; keep going and you will see your situation get better."

What inspired you to pursue STEM: "I was inspired to pursue a career in STEM by my high school computer teacher. I was always a strong math student, and a great problem solver. I wanted to pursue a degree in a technical field because of the impact of what I could potentially create."



Greatest Challenge: The biggest challenge in my career is the lack of diversity in my career field. Sometimes I am the only woman in the room and the majority of the time I am the only black person in the room. This can be discouraging at times because diversity in the workplace is still something we have not achieved in STEM related careers.

THE DR FUGENEM DELOATCH LEGACY AWARD

MS. NOTASHIA THOMAS

Product Manager, HighView Technology Group CACI International

Biggest Influence: "My greatest influence comes from my relationship with Jesus Christ. It is through this relationship that I have learned patience, compassion, and how to love people who are challenging to deal with. My mother has also been a significant influence in my life. I have watched my mother struggle at times as a single parent, but she never gave up. She was determined that her daughters would be given all that we needed to be successful. My mother made many sacrifices for me and my education which gave me a greater appreciation for the educational opportunities I was privileged to receive. My mother taught me that although things may be hard at the moment, you do



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& MAGAZINE ADVERTISERS

as of February 7, 2022

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