Engineering Council of Birmingham

2023 AWARDS BANQUET SPONSORED BY:

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Solutions you can build upon

CAPSTONE ENGINEERING SOCIETY

ENGINEERING
COUNCIL OF
BIRMINGHAM, INC.

proudly presents

64TH ANNUAL ENGINEERING AWARDS BANQUET



KEYNOTE SPEAKER



ROBIN BOREN

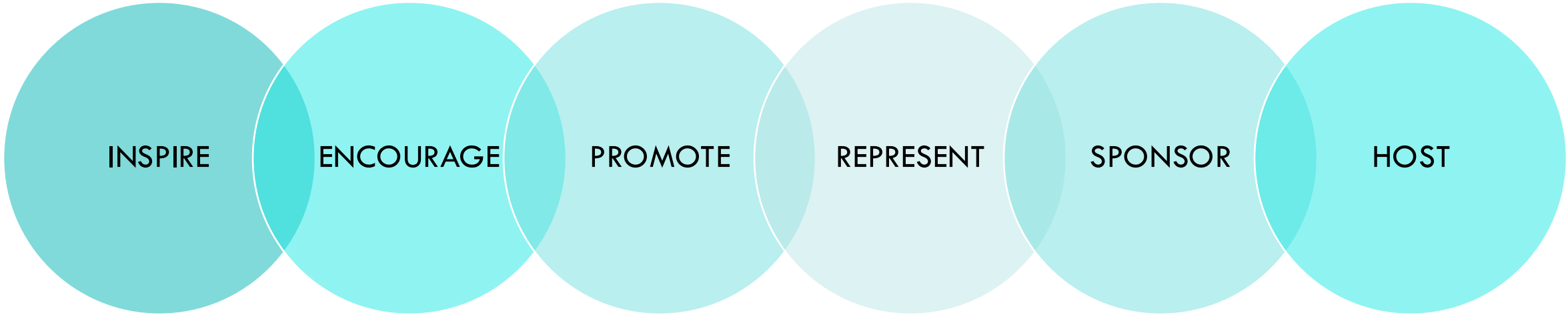
President – Southern Power

LEADERSHIP AWARD

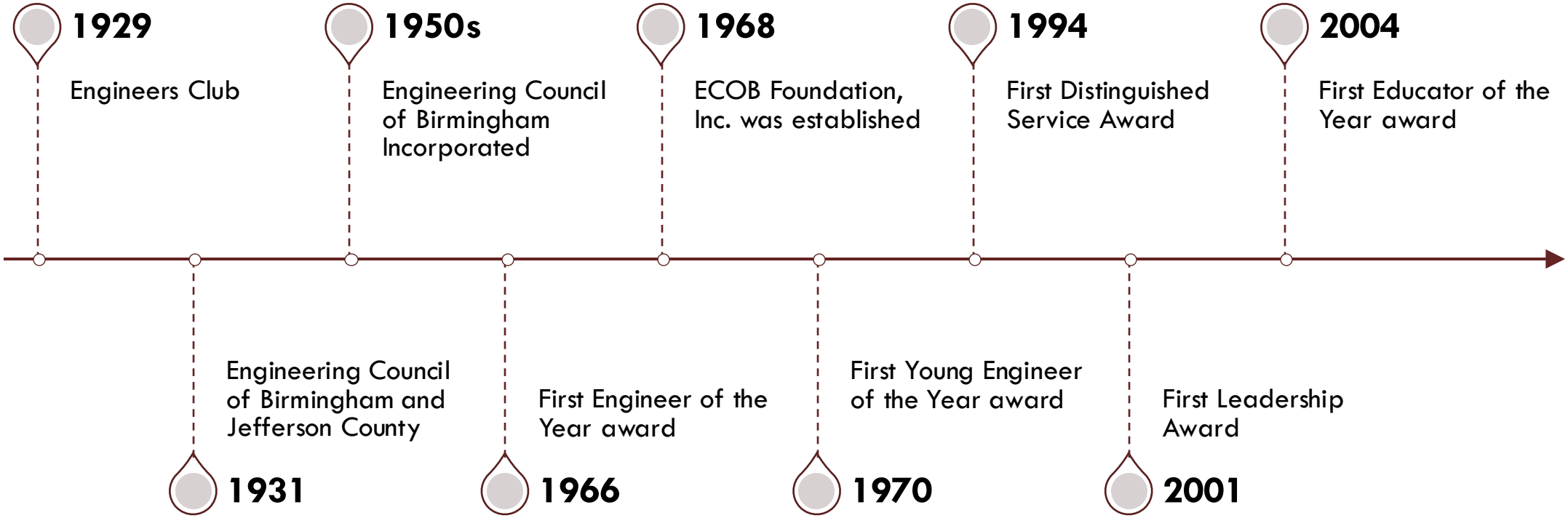


ROBIN BOREN

PURPOSE OF ECOB



TIMELINE


1929
Engineers Club
1931
Engineering Council of Birmingham and Jefferson County
1950s
Engineering Council of Birmingham Incorporated
1966
First Engineer of the Year award
1968
ECOB Foundation, Inc. was established
1970
First Young Engineer of the Year award
1994
First Distinguished Service Award
2001
First Leadership Award
2004
First Educator of the Year award

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CAPSTONE ENGINEERING SOCIETY

2022-2023 LEADERSHIP

PRESIDENT

Tiffany Borden
NSBE
Blue Cross and Blue Shield of Alabama

VICE PRESIDENT

Jeanne Otts
SWE
Retired from Southern Company

SERCRETARY

Tina Sheikhzeinoddin
SWE
Hazen and Sawyer

TREASURER

Brandy McKinney
NSBE
Girls Inc.

DIRECTOR

Chris Smitherman
ASME
Southern Company

FOUNDATION PRESIDENT

Reginald Murchison
NSBE

Retired from Alabama Power

FOUNDATION TREASURER

Michelle Ballew
SWE
Christy/Cobb, Inc. - Consulting Engineers

ORDER OF AWARDS

The University of Alabama College of Engineering
Student Awards
(Graduate and Undergraduate)

The University of Alabama at Birmingham Engineering
Student Awards
(Graduate and Undergraduate)

Engineering Council of Birmingham Awards
(Distinguished Service, Educator of the Year, Young Engineering of the Year, Engineer of the Year)



THE UNIVERSITY OF ALABAMA® | College of Engineering

UA STUDENT OF THE YEAR CANDIDATES

Undergraduate Nominees

THE UNIVERSITY OF ALABAMA® | College of Engineering

UA STUDENT OF THE YEAR CANDIDATES

Undergraduate Nominees

AABHASH BHANDARI

Aerospace Engineering

Undergraduate Research Assistant with UA's Remote Sensing Center and the Laboratory for Autonomy GNC and Estimation Research (LAGER)

Tuska UAV Design Team

Remote sUAS pilot



THE UNIVERSITY OF ALABAMA® | College of Engineering

HENRY MCKLIN

Architectural Engineering



Co-authored a research paper at the American Geophysical Union Fall 2022 conference

Assisted in geotechnical engineering research at the University of California, San Diego under a NASA grant

Honors Ambassador

THE UNIVERSITY OF ALABAMA® | College of Engineering

DAVID BARRETT

Chemical & Biological Engineering



Engineering co-op with WestRock

Ambassador for the Engineering Career Development Center and Co-op program

UA's Honor College and an MBA candidate

Served on six international mission trips

THE UNIVERSITY OF ALABAMA® | College of Engineering

SAMANTHA SAVAGE

Civil Engineering



STEM Path to MBA and the Accelerated Mater's Program (AMP)

Member of the American Society of Civil Engineers

President of the Chi Epsilon honor society

Engineering intern at Garver

THE UNIVERSITY OF ALABAMA® | College of Engineering

CHLOE HARRIS

Electrical Engineering



Randall Research Scholar

IEEE Eta Kappa Nu Honor Society and served as its secretary in 2022

Three co-op terms with Adtran

Played as a violinist in the Huxford Symphony Orchestra in 2020

THE UNIVERSITY OF ALABAMA® | College of Engineering

CORINNE BARONI

Environmental Engineering



Undergraduate Water Quality Research Assistant

Honors College and Blount Scholars Program

2022 recipient of the John F. Ramsey Premiere Award

Awarded UA's Graduate Council Fellowship

THE UNIVERSITY OF ALABAMA® | College of Engineering

MAYA SCHROF

Mechanical Engineering



STEM Path to the MBA

Tau Beta Pi Engineering Honor Society and the Society of Women Engineers (SWE)

STEM & CREATE Path to the MBA Program Ambassador

Liaison for the UA admissions office to recruit prospective engineering students

THE UNIVERSITY OF ALABAMA® | College of Engineering

UA STUDENT OF THE YEAR UNDERGRADUATE WINNER

Corinne Baroni



THE UNIVERSITY OF ALABAMA® | College of Engineering

THE UNIVERSITY OF ALABAMA® | College of Engineering

UA STUDENT OF THE YEAR CANDIDATES

Graduate Nominees

JAMES PEZENT

Aerospace Engineering



Interned at NASA Marshall Space Flight Center and Phifer Wire Corporation

Selected for the Francko Fellowship and the NSF Graduate Research Fellowship Program

2018 and 2019 Randall Outstanding Undergraduate Research awards and the 2019 UA College of Engineering Student of the Year award

THE UNIVERSITY OF ALABAMA® | College of Engineering

RAGHU VAMSI KONDAPANENI

Chemical & Biological Engineering



Earned his bachelor's and master's degrees in chemical engineering in India

Awarded the American Institute of Chemists Outstanding Graduate Student Award in 2021, the Graduate Council Fellowship for the 2018-2019 academic year

Alabama EPSCoR GRSP fellowship for the 2022-2023 academic year

THE UNIVERSITY OF ALABAMA® | College of Engineering

SUMEDH SHARMA

Civil Engineering



Researched use of UHPC as a repair material for deficient bridge decks

Worked with INGOs as part of post-earthquake reconstruction programs following the Gorkha-Nepal earthquake

Received Graduate Council Fellowship and Graduate School Conference Travel Awards

THE UNIVERSITY OF ALABAMA® | College of Engineering

SOROUSH KORIVAND

Mechanical Engineering

2022 Outstanding Teaching Award recipient

Attended the International Mechanical Engineering Congress & Exposition (IMECE) where he presented IMaDE manufacturing modular courses

Received The Best Student Paper Award at the IEEE/ACM CHASE Conference and achieved The Best Graduate Research Exposition



THE UNIVERSITY OF ALABAMA® | College of Engineering

UA STUDENT OF THE YEAR GRADUATE WINNER



Sumedh Sharma

THE UNIVERSITY OF ALABAMA® | College of Engineering



Thank you!


THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
SCHOOL OF ENGINEERING
Engineering Undergraduate Students of the Year



Ranoah Holcomb

Biomedical Engineering

3.96 GPA

President's List, Dean's List

UAB Presidential Scholarship, Dupuis Engineering Scholarship

International Research Experience for Students (Czech Republic)

Research in Dr. Andrei Stanishevsky's Nanomaterials Lab at UAB

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Logan Tuck

Civil, Construction, & Environmental Engineering

3.6 GPA

President's List, Dean's List, Pi Kappa Phi

ASCE

Engineering Peer Tutoring Lab

Intern, Brasfield and Gorrie

NSF International Research Experience

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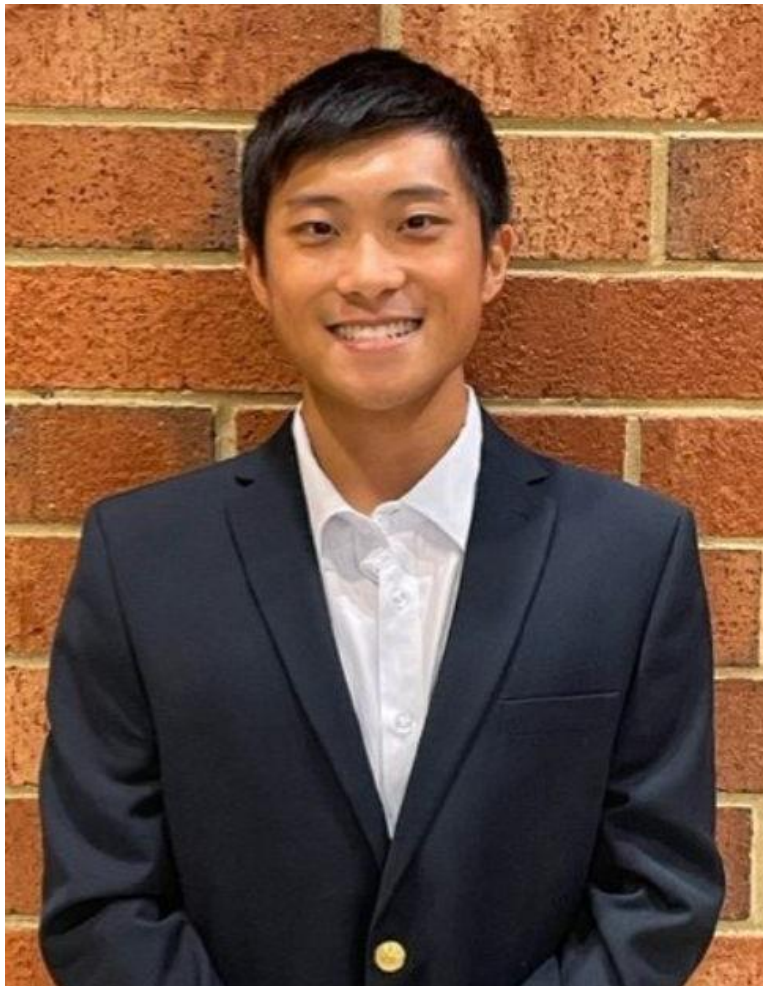

Zachary Chou

Electrical & Computer Engineering

3.91 GPA

President's List, ABM student

UAB Merit Scholarship, UAB Marching Band Scholarship

Intern, SWEG Robins Air Force Base, Integrated Security Engineers, Inc., KBR

Principal Chair, UAB Wind Symphony

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Andrea Wingenroth

Materials Engineering

4.0 GPA

Blazer Gold Scholarship, BE&K Scholarship
Foundry Education Foundation Scholarship

President's List, Alpha Sigma Mu, Alpha Lamda Delta

President, American Foundry Society Student Chapter

Research Assistant, UAB MPAD

Intern, McCarthy Building Companies, LOOP Aerospace

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Makaela Lynn Casper

Mechanical Engineering

3.47 GPA

Excellence in Engineering Scholarship, BE&K Scholarship, UAB Merit Scholarship

President's List, Dean's List

UAB Engineering Ambassador 2021-2022

Intern, North American Lighting

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UAB Undergraduate Student of the Year

Andrea Wingenroth
Materials Engineering

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THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
SCHOOL OF ENGINEERING
Engineering Graduate Students of the Year



Leslie Donoghue

Biomedical Engineering

3.92 GPA

3 NIH Fellowships

American Society of Nephrology (ASN) Tutored Research and Education for Kidney Scholar

ASN Kidney STARS Award (3x)

Solenis SOAR Award, Marathon Petroleum

Graduate Trainee in lab of Dr. Palaniappan Sethu at UAB

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Mostafa Jafarzadehfadaki

Civil, Construction, and Environmental Engineering

4.0 GPA

Outstanding International Ph.D. Student Award

UAB Blazer Graduate Research Fellowship

Graduate Research Assistant in the lab of Dr. Virginia Sisiopiku

President, VP and event coordinator, Institute of Transportation Engineers Student Chapter

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Orhun Vural

Computer Engineering

4.0 GPA

Tau Beta Pi

Tutor, UAB Learning Resource Center

Researching deep learning, computational biology and computer vision, UAB Integrated Systems Laboratory

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Renjith Rajan Pillai

Materials Science & Engineering

3.95 GPA

Outstanding presenter and 1st Prize for presentation by Alabama Academy of Sciences (AAS)

AAS Graduate Student Travel Award

Teaching Assistant for MSE 628/728 and 430/530

Mentor, UAB Cord Program

Pilot/Small Projects Research Training Trainee Award, Deep South Center for Occupational Health and Safety

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Parth Patel

Mechanical Engineering

4.0 GPA

NSF Scholarship

Tutor/Instructor at UAB TRIO STEM-H Program

Graduate Research Assistant

Member of Mechanical Systems and Robotics, International Society for Terrain-Vehicles Systems, American Institute of Aeronautics and Astronautics, Society of Automotive Engineers and ASME

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Andee Beierle

Neuroengineering

4.0 GPA

Blazer Graduate Research Fellowship, Skogen-Hagenson Scholarship, Olga Margaret Thompson Scholarship, Blazer Gold Scholarship

Lead engineer on project in UAB Radiation Oncology Department

Researcher in lab of Dr. Elizabeth Beierle, UAB Department of Pediatric Surgery

VP and Grad Student Representative, American Physician Scientist Association

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Janice Metallo

Construction Engineering Management

4.0 GPA

Project Manager, UAB Facilities

LEED Green Associate

Registered Interior Designer, State of Alabama

Volunteer, UAB Department of Small Business Inclusion

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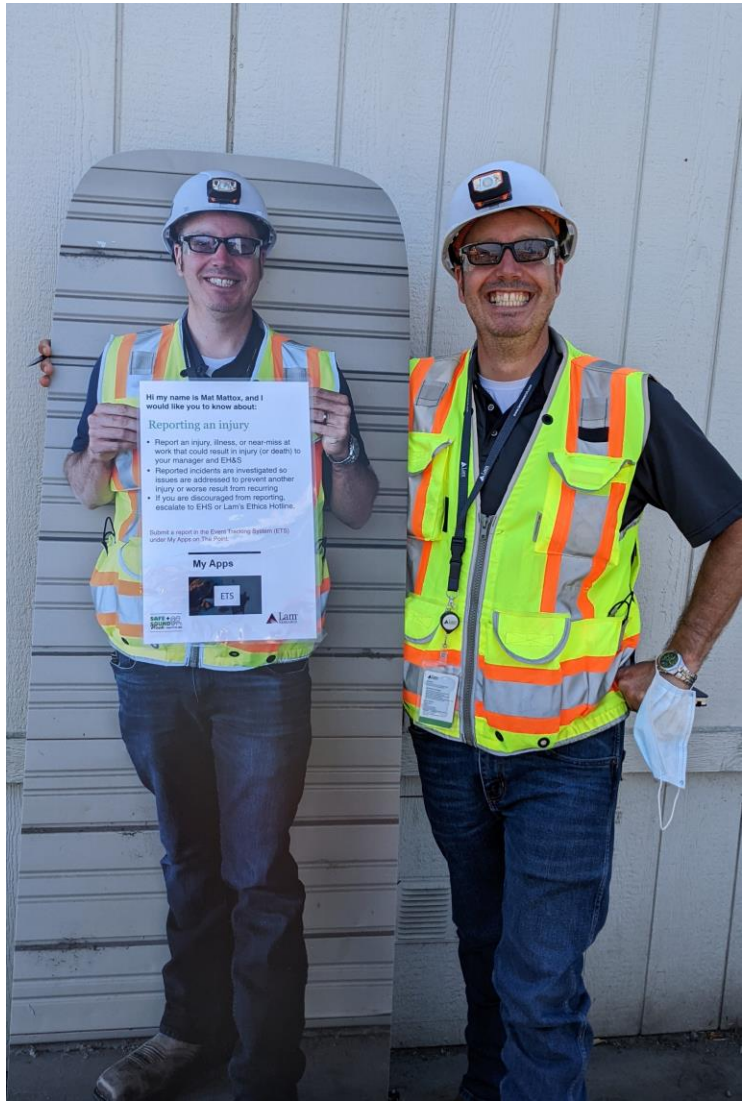

Mathew Mattox

Advanced Safety Engineering and Management

4.0 GPA

Senior Safety Engineer, Lam Research

EHS Field Analyst, Toyota

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UAB Graduate Student of the Year

Andee Beierle

Neuroengineering

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THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Thank you!



DISTINGUISHED SERVICE AWARD

JOHN T. COVER, PE

NOMINATED BY: International Society of Automation (ISA) Birmingham Section

EDUCATION: BS in Mechanical Engineering, Case Western Reserve University | MS in Electrical Engineering, UAB

LICENSURE: Professional Engineer (PE) in the state of AL, LA and MS

CURRENT EMPLOYER: BBP

CURRENT POSITION: Senior Controls Engineer



JANIECE L. HOLLOWAY

NOMINATED BY: Society of Women Engineers (SWE)

EDUCATION: BS in Business Management, Miles College | MS in Information Engineering and Management, UAB

CURRENT EMPLOYER: Girls, Inc.

CURRENT POSITION: Senior Manager of Operation Systems



G. TODD HONEYCUTT

NOMINATED BY: The University of Alabama Capstone Engineering Society (CES)

EDUCATION: BS in Aerospace Engineering, The University of Alabama

LICENSURE: Professional Engineer (PE) in the state of AL

CURRENT EMPLOYER: Huntington Ingalls Industries

CURRENT POSITION: Systems Engineer



STANFORD M. MANGHAM

NOMINATED BY: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Birmingham Chapter

EDUCATION: BS in Mechanical Engineering, Auburn University

CURRENT EMPLOYER: JMP Equipment Company

CURRENT POSITION: Business Development Manager



DISTINGUISHED SERVICE AWARD



Janiece L. Holloway

Nominated by Society of Women Engineers



EDUCATOR OF THE YEAR

DEWAYNE JENKINS

NOMINATED BY: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Birmingham Chapter

EDUCATION: AS in Air Conditioning and Refrigeration, Bevill State Community College | BS in HVACR Engineering, Ferris State University

LICENSURE: HACR Licensed Contractor in the state of AL

CURRENT EMPLOYER: Alabama Power Company

CURRENT POSITION: Residential, Commercial & Industrial Support Specialist



DR. MARY KATHRYN SEWELL-LOFTIN

NOMINATED BY: Society of Women Engineers (SWE)

EDUCATION: BS in Chemical and Biological Engineering and MS in Chemical Engineering, The University of Alabama | PhD in Biomedical Engineering, Vanderbilt University |Postdoc, Washington University in St. Louis

CURRENT EMPLOYER: The University of Alabama at Birmingham

CURRENT POSITION: Assistant Professor



DR. LEIGH G. TERRY, EIT

NOMINATED BY: The University of Alabama Capstone Engineering Society (CES)

EDUCATION: BS in Civil Engineering, The University of Alabama | MS and PhD in Environmental Engineering, University of Colorado, Boulder

LICENSURE: Engineer In Training (EIT) certification & license in the state of AL

CURRENT EMPLOYER: The University of Alabama

CURRENT POSITION: Assistant Professor



DR. WESLEY ZECH, EIT

NOMINATED BY: American Society of Civil Engineers (ASCE)

EDUCATION: BS, MS and PhD in Civil Engineering, University of Buffalo

LICENSURE: Engineer In Training (EIT) certification & license in the state of NY

CURRENT EMPLOYER: The University of Alabama at Birmingham

CURRENT POSITION: Professor and Director of Civil Engineering Construction Management

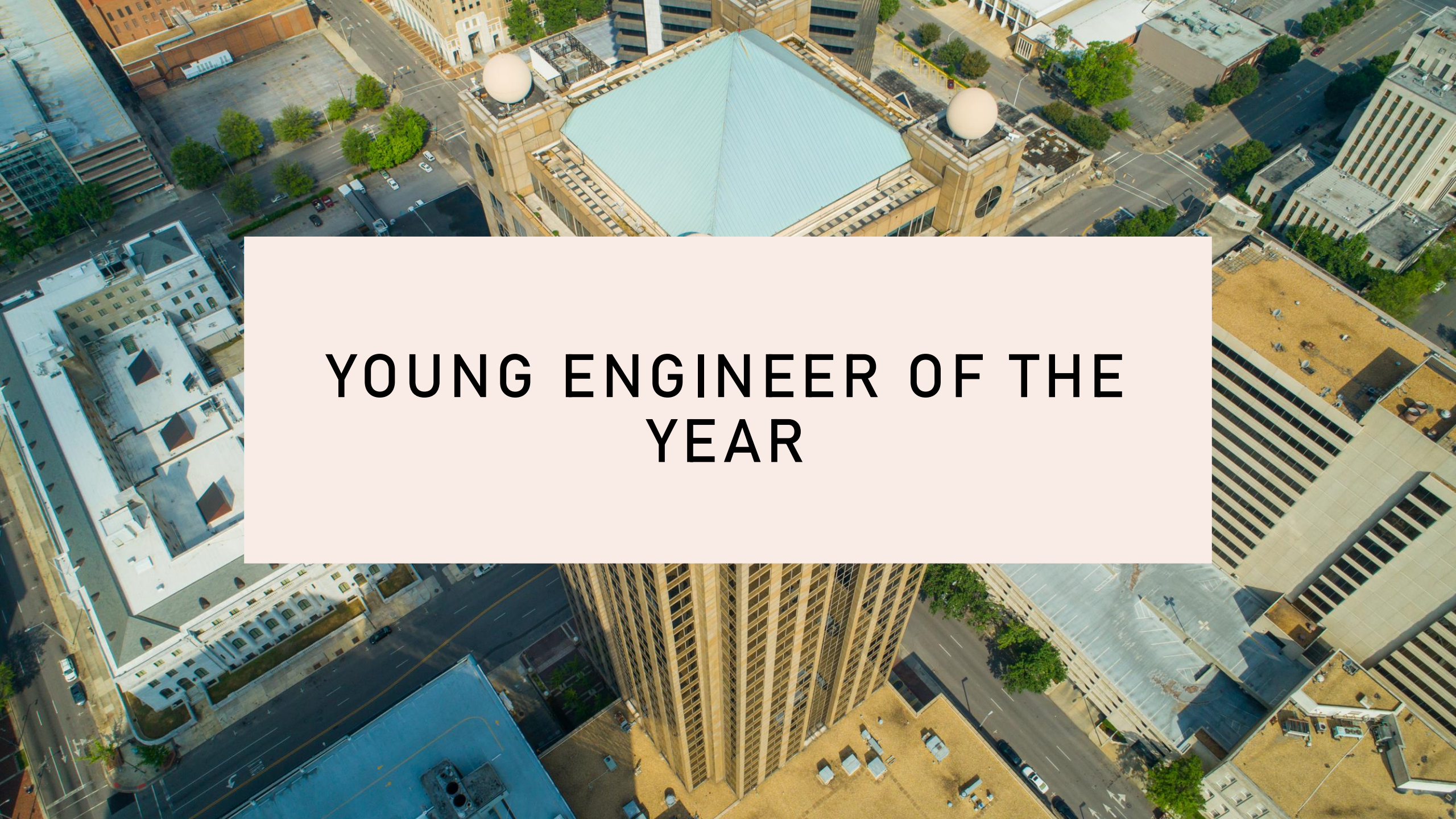


EDUCATOR OF THE YEAR



Dr. Leigh G. Terry

Nominated by UA Capstone Engineering Society



YOUNG ENGINEER OF THE YEAR

KENNY T. BEVERS

NOMINATED BY: The University of Alabama Capstone Engineering Society (CES)

EDUCATION: BS in Aerospace Engineering, The University of Alabama | MBA, Mississippi State University

CURRENT EMPLOYER: Honda Development and Manufacturing of America

CURRENT POSITION: Staff Engineer Group Leader and Mentorship Coordinator



J. LOGAN GIBBS, FE

NOMINATED BY: International Society of Automation (ISA) Birmingham Section

EDUCATION: BS in Mechanical Engineering, the University of South Alabama

LICENSURE: Fundamentals of Engineering (FE) in the state of AL

CURRENT EMPLOYER: Amerson Engineering & Controls

CURRENT POSITION: Controls Engineer



JIM LEVERETTE, PE

NOMINATED BY: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Birmingham Chapter

EDUCATION: BS and MS in Mechanical Engineering, Tennessee Tech University | MBA, Auburn University

LICENSURE: Professional Engineer (PE) in the state of AL and Certified Energy Manager (CEM)

CURRENT EMPLOYER: Tesla

CURRENT POSITION: Deployment Manager



ALEC PARLIAMENT, PE

NOMINATED BY: American Society of Civil Engineers (ASCE)

EDUCATION: BS in Civil Engineering, The University of Alabama

LICENSURE: Professional Engineer (PE) in the state of AL

CURRENT EMPLOYER: JH Wright & Associates

CURRENT POSITION: Sales Engineer for the Municipal Division



TINA SHEIKHZEINODDIN, EIT

NOMINATED BY: Society of Women Engineers (SWE)

EDUCATION: BS and MS in Civil Engineering, The University of Alabama

LICENSURE: Engineer In Training (EIT) certification & license in the state of AL

CURRENT EMPLOYER: Hazen and Sawyer

CURRENT POSITION: Assistant Engineer



YOUNG ENGINEER OF THE YEAR



Tina Sheikhzeinoddin

Nominated by Society of Women Engineers



ENGINEER OF THE YEAR

MATTHEW R. BLACKMON

NOMINATED BY: International Society of Automation (ISA) Birmingham Section

EDUCATION: AS in Computer Science, Snead State Community College | BS in Electrical Engineering, The University of Alabama at Birmingham

CURRENT EMPLOYER: Southern Company

CURRENT POSITION: Supervisor, I&C Renewables Project Support



THERESA CARTER, PE

NOMINATED BY: Society of Women Engineers (SWE)

EDUCATION: BS in Civil Engineering, Mississippi State University

LICENSURE: Professional Engineer (PE) in the states of AL and MS

CURRENT EMPLOYER: Neel-Schaffer, Inc.

CURRENT POSITION: Project Manager



ZACH LANG, PE

NOMINATED BY: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Birmingham Chapter

EDUCATION: BS in Mechanical Engineering, Pensacola Christian College

LICENSURE: Professional Engineer (PE) in the states of CO, GA and TN

CURRENT EMPLOYER: Pinnacle Engineering, Inc.

CURRENT POSITION: Partner and Project Manager in Consulting Engineering



JODY A. SINGER

NOMINATED BY: The University of Alabama Capstone Engineering Society (CES)

EDUCATION: BS in Industrial Engineering, The University of Alabama

CURRENT EMPLOYER: NASA's Marshall Space Flight Center

CURRENT POSITION: Director



ENGINEER OF THE YEAR



Jody A. Singer

Nominated by UA Capstone Engineering Society

SPECIAL THANKS

The Engineering Council of Birmingham is especially grateful to those who supported ECOB this past year and for your participation in helping make tonight's program a success.

Our sincere thanks to the many organizations and individuals for their donations and in-kind services.

