As President of the Electrical and Computer Engineering Department Heads Association (ECEDHA), I am proud to see our Association leading the path for the advancement of ECE.

Over the last several years, ECEDHA has significantly expanded its resources to enable targeted initiatives in areas of community, branding, diversity, communications, and curriculum that have been designed to make significant impacts on the future of ECE.

Although led by department heads and chairs, the scope of our organization has continued to expand to include academic leaders, faculty members, lab professionals, communicators, students, and leaders from industry. Together we are working to embrace and support the ECE community as a whole. Through these efforts, ECEDHA has emerged as a major driving force committed to advocating for the future of ECE.

The most recent success of diversity workshops, iREDEFINE and UMI (formerly HBCU), made possible through the support of NSF, have reinforced our organization’s commitment to success in diversifying our field. Our efforts in branding have brought together ECE communicators from over 20 institutions, a group that has doubled in size this year alone.

We have made great strides this year with our academic membership renewals to support new Working Group initiatives that present unique opportunities for each member institution to become involved in the Association.

I invite you to learn more about all our efforts that have been instrumental in changing the face of the organization and its overall mission of academic service and industry collaboration. ECEDHA can only be effective when its membership and industry partners are actively engaged. If you have not become involved already, I encourage you to do so.

We look forward to serving you in the year to come with your support and participation.

Warmest Personal Regards,

Tony Maciejewski
President, ECEDHA
ECEDHA has made great strides in embracing the entire ECE academic community. This past year, we have seen our enhanced membership benefits provide resources not only to the department chairs, but to ECE departments as a whole. The tremendous support received from our ECEDHA members in the implementation of the new membership dues structure has allowed us the necessary funds to drive several important initiatives critical to the future of ECE.

- Increased programming and services for ECE department heads, faculty members, lab managers, communicators, students, and industry partners
- A stronger focus on diversity in ECE with dedicated workshops. The iREDEFINE Workshop focused on motivating and preparing graduate women and underrepresented minority students to pursue faculty positions in US universities while the UMI Workshop brought together representatives within underrepresented minority institutions to discuss growing and sustaining a successful collaboration by developing and implementing experimental-centric pedagogy.
- A dedicated graduate student program, held in partnership with IEEE-HKN, designed to prepare the HKN graduate student members to pursue a career as a working engineer in the industry.
- A dedicated rebranding effort designed to raise visibility of the ECE field to prospective students and the general public. With the support of Tailfin Marketing, this initiative has brought together ECE communications and public relations specialists from member institutions to create creative concepts, a marketing toolkit, and an implementation plan that can be used by all ECEDHA member institutions.
ECEDHA TIMELINE & HISTORY

1963  Non-Profit organization established as the Association of Electrical Engineering Department Heads (AEEDH)

1985  Inaugural Annual Conference

1986  Transitioned to NEEDHA (National Electrical Engineering Department Heads Association)

1992  Award Program Introduced

2001  Name changed to ECEDHA, reflecting the inclusion of Computer Engineering

2003  Partnership with NSF begins with ECEDHA’s first funded workshop

2010  Introduction of the ECExpo at Annual Conference marks the beginning of industry participation

2012  ECEDHA Community expanded to include all ECE faculty and staff

2013  Diversity Award Introduced

ECEDHA INTERACTIVE SURVEY UNVEILED

The Electrical and Computer Engineering Department Heads Association (ECEDHA) is an industry leading academic association comprised of nearly 250 ABET-accredited ECE university department chairs from across the United States and Canada.

The purpose of ECEDHA, as expressed in the ECEDHA constitution, are threefold:

• Help advance the fields of electrical and computer engineering
• Facilitate member interaction and idea exchange
• Improve communication with the profession, industry, government, and others

“ Forums like the UMI Workshop are helpful to get folks communicating and collaborating effectively. I look forward to working with you, your team and the HBCU/UMI team on future endeavors as well.”

—MICHEL REECE, ASSOCIATE PROFESSOR, MORGAN STATE UNIVERSITY
Throughout its rich history, ECEDHA continues to evolve and adapt based on the needs of academia and industry. To this day, ECEDHA is the only affiliation of its kind serving as the leading association for electrical and computer engineering institutions.

For more information, please visit [www.ecedha.org](http://www.ecedha.org)

“I have attended the past two ECEDHA meetings because of their sessions addressing the current image of electrical and computer engineering, which is important to me as a communicator for ECE. Being part of ECEDHA is helping me to collaborate with other communicators and professionals in the field to help strengthen the brand. Attracting the best students to ECE is important to society. I am grateful for the opportunity to assist in this important goal.”

—CATHARINE JUNE, ECE COMMUNICATIONS & MARKETING MANAGER, UNIVERSITY OF MICHIGAN

**ECEDHA TIMELINE & HISTORY**

### 2013
- Corporate Membership Program and Corporate Advisory Council Introduced
- ECE Media Program Launched

### 2014
- 30th Anniversary of the ECEDHA Annual Conference Celebrated
- Industry Award Introduced

### 2015
- ECEDHA Foundation Established

### 2016
- ECEDHA Working Groups Created

### 2017
- Established a Makers Demo on the Expo floor showcasing university artifacts
- First annual iREDEFINE Workshop established for students
- Hosted the inaugural gathering of ECE communicators at the annual conference
- ECE Branding initiative implemented

### 2018
- Expanded the ECEDHA program to include a Robotics Demo on the Expo floor
- Hosted workshops for Historically Black Colleges and Universities (HBCU, currently referenced as UMI)
- Hosted a constituency of ECE Communicators at a special summer workshop
2018-2019 ECEDHA BOARD OF DIRECTORS

ECEDHA is governed by a Board of Directors consisting of three elected officers: President, Vice-President and Secretary/Treasurer; two most recent Presidents: Past President, Senior Past President; and Members-at-Large.

PRESIDENT
Anthony Maciejewski
Colorado State University

MEMBER-AT-LARGE
William Sanders
University of Illinois at Urbana-Champaign

MEMBER-AT-LARGE
Jay Farrell
University of California, Riverside

MEMBER-AT-LARGE
Badri Roysam
University of Houston

MEMBER-AT-LARGE
Stephen Goodnick
Arizona State University

MEMBER-AT-LARGE
Nurgun Erdol
Florida Atlantic University

MEMBER-AT-LARGE
Truong Nguyen
University of California, San Diego

MEMBER-AT-LARGE
Agnieszka Miguel
Seattle University

MEMBER-AT-LARGE
Dennis Peters
Memorial University of Newfoundland

IEC REPRESENTATIVE
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Zhilhua Qu
University of Central Florida

SECRETARY-TREASURER
Ashfaq Khokhar
Iowa State University

PAST PRESIDENT
Daniel Stancil
North Carolina State University

EXECUTIVE DIRECTOR
John R. Janowiak
International Engineering Consortium

CHECE REPRESENTATIVE
Jean-Francois Boland
École de Technologie Supérieure
The ECEDHA Foundation has been established to guide, support, and fund significant educational programming activities to advance electrical and computer engineering. In addition, the creation of an ECEDHA Endowment Fund will ensure the long-term viability of the Association and its academic services, as well as provide a stable source of program funding beyond the current activities of the Association.

Through its programs and activities, ECEDHA strengthens the intellectual infrastructure underpinning the engineering achievements and societal benefits realized through a healthy and vibrant community of educators in electrical and computer engineering.

The ECEDHA Foundation offers the means for those who share ECEDHA’s vision to support the Association and ensure its financial stability. The goals for the ECEDHA Foundation include:

- **Increase and strengthen diversity** among ECE faculty and student populations.
- **Create the seeds for technology innovation** in industry by enabling ECE faculty and their students to work at the cutting edge of their disciplines;
- **Enhance the engagement** between the ECE academic community and industry, recognizing industry needs and channeling industry support;
- **Foster innovation** in ECE curriculum development at member institutions to prepare the next generation for a global profession;
- **Increase ECE visibility and improving its image**—“enhancing the brand”—among prospective students, their parents, and the population in general;
- **Strengthen the ECE student pipeline**, increasing enrollments with well-qualified and motivated students;

To support the ECEDHA Foundation, or learn more about this important initiative, visit [www.ecedha.org/foundation](http://www.ecedha.org/foundation)
ECEDHA conducts many programs and develops relationships with various organizations to advance the disciplines of electrical and computer engineering.

NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 “to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense...” NSF is vital because we support basic research and people to create knowledge that transforms the future.

ECEDHA has been fortunate to work with the National Science Foundation on topical workshops of interest to the ECEDHA membership. Past workshop topics included the following:

- Energy and Power
- Nanotechnology
- Curriculum Development
- Globalization

In addition, NSF has called upon ECEDHA for educational program development and assistance in producing special workshops of its own, including:

- 2018 UMI (Underrepresented Minority Institutions) Workshop
- 2017 and 2018 iREDEFINE Workshops on Improving the Diversity of Faculty in Electrical and Computer Engineering
- 2016 Strategic Shaping of ECE: Vision, Branding, and Advocacy Workshop
- 2013 National Science Foundation Sustainable Energy Pathways Meeting
- 2013 NSF Workshop on Future Directions in Wireless Networking
- 2012 Cyber-Physical Systems Principal Investigators’ Meeting

PARTNERSHIPS

ECEDHA has formed valuable alliances to advance the academic engineering community and support other important organizations.
ECEDHA HOST UNIVERSITIES

ECEDHA is honored to have had the following institutions serve as Host Universities over recent years. The Host Universities participate on the conference Program Committee and assist in the overall direction of the Annual Conference.
ECEDHA has continued to lead national discussions to foster a collective voice in the areas of Branding, Communications, Community, Diversity, Makerspaces, Robotics, Leadership/New Chair Training, and Education/Curriculum, to serve as a resource for ECE departments and industry decision makers nationwide.

Dedicated Working Groups in these subject matters deliberate on future grand challenges led and supported by ECE departments. This effort will have an enormous impact not only across ECE departments, but will have significant economic impact for steering the intellectual capital of ECE departments towards 21st century grand challenges for the nation.

These working groups are staged to create the following:

- **Visioning workshops** on specific national priorities that assemble scientific leaders to develop white papers and roadmaps
- **Leadership and training programs** for ECE researchers and educators, designed to facilitate a diverse workforce
- An **online repository**, website, event listing, and online community
- **Collaboration with relevant organizations** (e.g. NSF and CCC) to develop interdisciplinary and interagency roadmaps
- A **broader public understanding** of ECE research and its impact

Research and education in ECE has had a profound impact on the economy, creating entirely new industry sectors, thousands of global companies, and hundreds of millions of jobs.

ECEDHA’s Corporate Partners will play a key role in shaping the research conversation, workshops, white papers, and outreach to government partners.
BRANDING WORKING GROUP:
CO-CHAIRS:
- Daniel Stancil
  North Carolina State University
- Trudi Brown
  North Carolina State University
- Todd Sweet
  University of Illinois, Urbana-Champaign

COMMUNITY WORKING GROUP:
CO-CHAIRS:
- Stella Batalama
  Florida Atlantic University
- Steven McLaughlin
  Georgia Institute of Technology
- George Pappas
  University of Pennsylvania
- William Sanders
  University of Illinois at Urbana-Champaign

DIVERSITY WORKING GROUP:
CHAIR:
- Agnieszka Miguel
  Seattle University

LEADERSHIP/NEW CHAIR TRAINING WORKING GROUP:
CO-CHAIRS:
- Jerry Hudgins
  University of Nebraska, Lincoln
- Badri Roysam
  University of Houston
- Donald Gruenbacher
  Kansas State University

MAKERSPACES WORKING GROUP:
CO-CHAIRS:
- Alan Cheville
  Bucknell University
- Shawn Jordan
  Arizona State University

ECE COMMUNICATORS WORKING GROUP:
CO-CHAIRS:
- Ashlee Gardner
  Georgia Institute of Technology
- Catharine June
  University of Michigan
- Andrea Leland
  Colorado State University

EDUCATION/CURRICULUM WORKING GROUP:
CO-CHAIRS:
- Jonathan Bredow
  University of Texas at Arlington
- Anthony Maciejewski
  Colorado State University
- Truong Nguyen
  University of California, San Diego

Interested in participating on an ECEDHA Working Group? Contact Megan Bekolay at mbekolay@ecedha.org
ECEDHA Corporate Membership provides a platform to strengthen university-industry relations.

ECEDHA WOULD LIKE TO THANK ITS 2018 CORPORATE MEMBERS:
The ECEDHA Corporate Advisory Council is comprised of executives from ECEDHA Corporate Member organizations. The Corporate Advisory Council meets with and provides strategic guidance to the ECEDHA Board of Directors.

2018 ECEDHA CORPORATE ADVISORY COUNCIL

Bob Brown
Director, Academic Business Development
Digi-Key Electronics

Patrick Kane
Director of the University Alliance Program
Cypress Semiconductor

Hayne Shumate
Senior Vice President, Internet Business
Mouser Electronics

Toffee Coleman
Education Sales & Marketing Manager
Fluke Corporation

Jim Keady
Vice President of Sales
Continental Resources (ConRes)

Roger Stancliff
CTO, Education Solutions
Keysight Technologies

Steve Johnson
President and General Manager
Digilent Inc.

Teresa Kostenbauer
Sr. Manager, University Recruitment and Relations
Arrow Electronics

Sumit Tandon
Senior Customer Success Manager
MathWorks

Patrick Kane
Director of the University Alliance Program
Cypress Semiconductor

Bhavesh Mistry
Head of Global Marketing
National Instruments

Lawrence Williams
Director of Product Management
ANSYS

Vincent D’Agostino
Vice President of Marketing
Renesas Electronics America

Tom Lee, PhD
Chief Education Officer
Quanser

Jonathan White
Director, Corporate Applications Engineer
Synopsys

Bob Brown
Director, Academic Business Development
Digi-Key Electronics

Teresa Kostenbauer
Sr. Manager, University Recruitment and Relations
Arrow Electronics

Lawrence Williams
Director of Product Management
ANSYS

2018 ECEDHA CORPORATE ADVISORY COUNCIL CHAIR:
Doug Phillips
Director, University Marketing
Texas Instruments
ECEDHA’s mission is to help advance the field of electrical and computer engineering, facilitate member interaction and idea exchange among its members, and improve communication with the profession, industry, government, and others.

Recently, the evident mutual interests of industry and academia have made it imperative that ECEDHA member institutions strengthen its collective bond with industry. The areas of mutual interest include the need for:

- ECE curriculum to reflect the changing needs of industry for the next generation of engineering professionals entering the workplace;
- Industry to present, and department heads to understand, the tools which can improve instruction effectiveness in labs and classrooms; and
- Industry professionals and ECEDHA members to dialogue and to work together to identify new modalities of instruction.

To formalize the aforementioned areas of interest and potential opportunities for collaboration, ECEDHA has developed a Corporate Membership Program.

ECEDHA’s Corporate Membership Program provides an unparalleled opportunity for business leaders to have access to, and collaborate with, an important academic constituency while influencing the future of electrical and computer engineering.

A key element of the program is the formation of an ECEDHA Corporate Advisory Council, whose members have the opportunity to influence ECEDHA’s programs and present recommendations to its Board of Directors. In particular, Council members will have the opportunity to provide guidance on the latest technologies and other trends impacting ECE.
CORPORATE MEMBERS BENEFIT FROM PARTICIPATION IN A NUMBER OF WAYS

EACH CORPORATE MEMBER:

> Positions their corporation as a leader within ECE education through interaction with leading ECEDHA member universities.

> Receives prominent recognition as a major supporter of ECE education to the ECEDHA community through online, print, and program recognition.

> Receives a seat for one of its executives on the ECEDHA Corporate Advisory Council, which meets with and provides important input to the ECEDHA Board of Directors.

> Gains direct access to individual ECEDHA member universities and departmental leadership. ECEDHA headquarters will help liaise with individual universities to facilitate ECEDHA Corporate Member interactions.

> Influences the future of ECE education and curriculum through participation in ECEDHA topical workshops held throughout the year and focuses on key issues, opportunities or challenges facing academia including:

  - Suggesting future topics, providing expertise, and attending these programs
  - Receiving the opportunity to make a presentation
  - Accessing the in-depth examination and post-workshop conclusions made available through detailed reports

> Gains insights into trends in ECE programs and curricula that affect industry with data input and access to ECEDHA university research study reports.

> And more!

“AS A TECHNOLOGY BASED COMPANY, IT IS GREAT TO BE CLOSE TO ACADEMIA AND ORGANIZATIONS LIKE ECEDHA SO WE ARE AWARE OF THE LATEST TECHNOLOGY TRENDS, AS WELL AS GAIN A CLEAR VISION FOR WHERE RESEARCH IS GOING, SO WE CAN HARNESS THAT POWER INTO THE PRODUCTS WE CREATE.”

– Scott Rust, Sr. Vice President of Research & Development, National Instruments
THE ECEDHA ANNUAL CONFERENCE

The ECEDHA Annual Conference and ECExpo is the only meeting of its kind bringing together the largest concentration of ECE department heads throughout the United States and Canada.

Deans and faculty from member universities, local high schools, community colleges, and representatives from like-minded associations also enjoy dedicated programming at the Annual Conference.

Who Attends from Academia?

> Department Chairs
> Associate Chairs
> Lab Professionals
> Communications/PR Professionals

> Deans
> Faculty
> Students

What Makes ECEDHA Unique?

> ECEDHA is the only organization devoted exclusively to addressing the needs of electrical and computer engineering educators

> Nearly 250 ECE departments are active ECEDHA members

> ECE department heads and faculty gather at the Annual Conference to network and discuss the latest trends and advances in professional development, global branding, educational innovation, and shared experiences
**ECEDHA’S ECEXPO**

ECEDHA’s ECExpo provides high-level interaction with companies who support ECE disciplines, sell products and services into academia, and employ ECE graduates.

The ECExpo provides the perfect setting to network and conduct business with industry professionals from today’s leading corporations driving innovation. Members will discover the latest advances in ECE technology from the industry’s leading corporations showcasing their products and services.

**Who Attends from Industry?**

- EDA Companies
- Test & Measurement
- Software Companies
- Semiconductor
- Distributors
- Manufacturers
- Publishers

**What Makes ECEDHA Unique?**

ECEDHA offers opportunities for industry to partner with prominent engineering schools as their ECE department heads and faculty strive to gain insight on the latest trends and issues in educational tools, curriculum, and industry requirements for future engineering professionals.
The ECEDHA Annual Conference has a dedicated Program Committee devoted to creating a world-class program for members. The committee assembles regularly to determine session topics, recommend speakers, and organize panels.

The Committee is led by ECEDHA’s Vice President and supported through the Host University program, which provides strong guidance for the ECE regional community.

**COMMITTEE CHAIR:**

Zhihua Qu  
University of Central Florida

**ECEDHA PROGRAM COMMITTEE**

Khalid Al-Olimat  
Ohio Northern University

Michael Devetsikiotis  
University of New Mexico

Shoba Krishnan  
Santa Clara University

George Pappas  
University of Pennsylvania

Li Bai  
Temple University

Sohail Dianat  
Rochester Institute of Technology

Gianluca Lazzi  
University of Utah

Dennis Peters  
Memorial University of Newfoundland

V. Ragu Balakrishnan  
Purdue University

Nurgun Erdol  
Florida Atlantic University

Thuy Le  
San Jose State University

Stephen Phillips  
Arizona State University

Daryl Beetner  
Florida Atlantic University

Jay Farrell  
University of California, Riverside

Frank Liu  
University of Arkansas, Fayetteville

Radha Poovendran  
University of Washington

John Booske  
University of Wisconsin, Madison

Simon Foo  
Florida A&M University, Florida State University

Agnieszka Miguel  
Seattle University

Marco Rolandi  
University of California, Santa Cruz

Tamal Bose  
University of Arizona

John Harris  
University of Florida

Mark Nelms  
Auburn University

William Sanders  
University of Illinois at Urbana-Champaign

Jonathan Bredow  
University of Texas, Arlington

Steven Hietpas  
South Dakota State University

Truong Nguyen  
University of California, San Diego

Steven Sochaj  
New Mexico State University

Sid Deliwala  
University of Pennsylvania

John Kelly  
North Carolina A&T State University

Chika Nwankpa  
Drexel University

Nicolas Younan  
Mississippi State University
The Annual Conference features prominent leaders from academia, government, and industry.

Chaouki Abdallah  
Provost, University of New Mexico

Anant Agarwal  
President, edX

Jay Alexander  
CTO, Keysight Technologies

Ahmad Bahai  
Vice President and Chief Technologist, Analog Texas Instruments

Kurt D. Bettenhausen  
Senior Vice President, Siemens Corporate Research

Mike Birck  
Chief Executive Officer, Tellabs

Joseph Bordogna  
Deputy Director, National Science Foundation

Paul Camuti  
President and Chief Executive Officer, Siemens Corporate Research Inc.

Ralph Cavin  
Vice President of Research Operations, Semiconductor Research Corporation

Ken Caviasca  
General Manager, Platform Enabling and Development, Intel

William Chappell  
Director, Defense Advanced Research Projects Administration (DARPA)

Weili Dai  
Co-Founder, Vice President and General Manager, Communications & Consumer Business, Marvell Technology Group

Gordon Day  
President, IEEE

John Fluke  
Founder, John Fluke Manufacturing Company

Norman Fortenberry  
Director, Center for the Advancement of Scholarship on Engineering Education  
National Academy of Engineering

Kent Fuchs  
Provost, Cornell University

Kaigham Gabriel  
Deputy Director, Defense Advanced Research Projects Administration (DARPA)

Gary Gabriele  
Assistant Director for CISE, National Science Foundation

Leah Jamieson  
Dean of Engineering, Purdue University  
President and CEO, IEEE

Farnam Jahanian  
Assistant Director for CISE, National Science Foundation

Moshe Kam  
Robert Quinn Professor and Department Head, Drexel University  
President and CEO, IEEE
PAST ANNUAL CONFERENCE SPEAKERS

Ted Kaufman  
Former U.S. Senator, Delaware

Salman Khan  
Founder and Executive Director, Khan Academy

Pramod Khargonekar  
Assistant Director, Directorate for Engineering, National Science Foundation

Pradeep Khosla  
Chancellor, University of California, San Diego

Shihab Kuran  
President and Chief Executive Officer, Petra Solar

Greg Lancreit  
Academic Ambassador and Co-Founder, Benefunder  
Associate Professor, Electrical and Computer Engineering, University of California, San Diego

Tom Lee, Ph.D.  
Chief Education Officer, Quanser

Marc Levoy  
Professor Electrical Engineering and Computer Science, Stanford University

Robert Lucky  
Vice President of Research, Bellcore

Julia Liuson  
CVP, Visual Studio, Microsoft

Doug Melton  
Deputy Division Director, Engineering Education & Centers (EEC), National Science Foundation

Robert Metcalfe  
Professor of Innovation, University of Texas at Austin

C. L. Max Nikias  
President, University of Southern California

Andrew Ng  
Co-Founder, Coursera

Rosibel Ochoa  
Executive Director, Jacobs School of Engineering, University of California, San Diego

Patrick O’Shea  
Vice President for Research, University of Maryland

Mark Pierpoint  
Vice President and General Manager, Software and Modular Solutions Division, Agilent Technologies

James Plummer  
Dean of Engineering, Stanford University

Sarah Rajala  
Dean of Engineering, Iowa State University  
President, ASEE

S.K. Ramesh  
President, IEEE-HKN, Dean, College of Engineering and Computer Science, Professor, Electrical and Computer Engineering, California State University, Northridge

Justin Rattner  
Senior Fellow, Vice President and Chief Technology Officer, Intel

Alberto Sangiovanni-Vincentelli  
Professor, Electrical Engineering and Computer Science, University of California at Berkeley

Teresa Shea  
NSA Senior Fellow, IOT

Krishna Shenoy  
Professor of Electrical Engineering, Bioengineering and Neurobiology, Stanford University

Darlene Solomon  
Senior Vice President and Chief Technology Officer, Agilent Technologies

James Truchard  
President and Chief Executive Officer, National Instruments

William Wulf  
President, National Academy of Engineering
The Awards Committee is responsible for administering the ECEDHA awards. The committee is tasked with soliciting nominees, reviewing applications, and selecting award winners. Committee members are drawn from all geographic regions and represent a cross-section of ECEDHA department classifications.

**COMMITTEE CHAIR:**

**Jay Farrell**  
University of California, Riverside

**ECEDHA AWARDS COMMITTEE:***

- **Daniel Aloï**  
  Oakland University

- **Mike Johnson**  
  University of Kentucky

- **Truong Nguyen**  
  University of California, San Diego

- **Stella Batalama**  
  Florida Atlantic University

- **Ashfaq Khokhar**  
  Iowa State University

- **Dennis Peters**  
  Memorial University of Newfoundland

- **Jonathan Bredow**  
  University of Texas at Arlington

- **Luke Lester**  
  Virginia Tech

- **Radha Poovendran**  
  University of Washington

- **Michael Devetsikiotis**  
  University of New Mexico

- **Barbara Marino**  
  Loyola Marymount University

- **Marco Rolandi**  
  University of California, Santa Cruz

- **Ralph Etienne-Cummings**  
  Johns Hopkins University

- **Daniel Noneaker**  
  Clemson University

- **John Janowiak**  
  International Engineering Consortium
ECEDHA AWARDS PROGRAM

ECEDHA is pleased to present four annual awards to honor individuals or corporations with a sustained record of leadership, innovation, and service to the ECE community. All awards are presented in March each year at the Annual Meeting.

2017 ROBERT M. JANOWIAK OUTSTANDING LEADERSHIP AND SERVICE AWARD:

Stephen Phillips, Arizona State University

Given to an individual with a sustained record of leadership and service to ECEDHA (primary) and to electrical and computer engineering (secondary).

2017 ECEDHA INNOVATIVE PROGRAM AWARD:

Robi Polikar, Rowan University

Given to individual(s) or department(s) that has (have) created, implemented, and sustained the implementation of a successful innovative program and possibly assisted in the implementation of that program at other institutions.

2017 ECEDHA INDUSTRY AWARD:

Vincent Hu, Intel, Programmable Solutions Group

Given to department(s) or individual(s) in recognition of proactive efforts to increase cultural, ethnic, and gender diversity within the ECE student body and among ECE faculty, that go well beyond and above the normal institutional recruiting practices.

2017 ECEDHA DIVERSITY AWARD:

Eve Riskin, University of Washington

Given to company(s) or individual(s) in companies in recognition of seminal contributions to engineering education—especially in the ECE disciplines—that go well beyond typical industry-university relations.
ECEDHA Editorial Committee plans and executes each monthly issue of the *ECE Source* to address the most timely and pressing issues facing ECE today.

**Featured Articles**
Articles on topics of general interest to readers, including emerging technologies and engineering education

**News**
Current relevant news items focusing on ECE

**Corporate**
Interviews, product demos/presentations, advertising, sponsored white papers

**Regional Updates**
Upcoming meetings, announcements, meeting minutes, and more

**Resources**
Other events, grant/scholarship announcements, awards, job postings, and more
ECEDHA’s ECE Media programs provide year-round channels for ECEDHA members and their faculty to stay informed on the hottest topics facing ECE, gain access to complimentary educational sessions, and interact with companies that support ECE disciplines and employ their graduates.

**ECE Webinar**

A PROFESSIONAL RESOURCE FOR ECE EDUCATORS

ECE Webinars offer a new educational training tool for electrical and computer engineering educators featuring convenient online education covering relevant topics facing ECE faculty.

**ECE Source**

THE LEADING RESOURCE FOR THE ECE COMMUNITY

The *ECE Source* newsletter highlights current topics in engineering education, the latest ECE news, association and partner news, and technology features from leading corporations.

**ECE Spotlights**

NEW INNOVATIVE PRODUCTS AND SERVICES

Captured live at the ECEDHA Annual Conference and ECExpo, ECE Spotlights provide an opportunity to learn more from leading companies whose products and services are key to enhancing the experience of students and graduates.

**ECE Insights**

IN-DEPTH INTERVIEWS WITH INDUSTRY EXECUTIVES

ECEDHA Insights feature interviews with executives who are driving the future of ECE in industry.
ECEDHA is invested in growing its ECE community and focusing its efforts on helping to advance the field; facilitating member interaction and idea exchange; and improving communication with the profession, industry, government, and others.

The recent establishment of the ECEDHA Foundation will provide a platform for ECEDHA to further these efforts by providing the funding and support necessary to develop educational programming activities to advance electrical and computer engineering.

ECEDHA’S REACH

ECEDHA’s reach includes nearly 9,000 current ECE faculty members from across the United States and Canada. The ECEDHA database is the only one of its kind reaching a targeted concentration of key decision makers, including:

- **500+** ECE Staff Contacts including research staff, online education and distance learning directors, and lab managers
- **300+** Deans from accredited engineering schools
- **360+** ECE Department Heads from accredited institutions throughout the U.S. and Canada
- **7,000+** ECE Faculty Members

ECEDHA ANNUAL SURVEY

The ECEDHA Annual Survey has been part of the ECEDHA program for more than a decade, collecting important comparative benchmark data on enrollments, salaries, graduate stipends, space allocations, graduation statistics, research expenditures, and much more.

ECEDHA’s interactive data system allows ECEDHA members to perform custom queries of the survey data while benchmarking against institutions of their choosing.

The ECEDHA Survey remains a unique benefit to its active membership, and provides a convenient resource for chairs and their departments as a whole.
ECEDHA’s regional groups are very important to the overall strength of the organization and to each of its member universities. The regions convene independently throughout the year to focus on state and local funding, technology stimulus and development, regional economic initiatives, and other issues pertinent to their region. Members are encouraged to participate at both a national and regional level.

2018 ECEDHA REGIONAL LEADERS

**CANADA: CHECE/DGEGI**
Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Ontario, Quebec, and Saskatchewan
REGIONAL LEADER:
Jean-François Boland, École de Technologie Supérieure

**CENTRAL STATES REGION: CSECEDHA**
Arkansas, Iowa, Kansas, Missouri, Nebraska, Oklahoma, North Dakota, and South Dakota
REGIONAL LEADER:
Daryl Beetner, Missouri S&T

**GREAT LAKES REGION: GLECEDHA**
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**NORTHEAST REGION: NECEDHA**
New York, Vermont, New Hampshire, Maine, Massachusetts, Rhode Island, and Connecticut
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**SOUTHEAST REGION: SECEDHA**
Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia
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**SOUTHWEST REGION: SWECEDHA**
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REGIONAL LEADER:
Jonathan Bredow, University of Texas at Arlington

**WESTERN REGION: WECEDHA**
REGIONAL LEADERS:
Chair: Truong Nguyen, University of California, San Diego
Vice Chair: Radha Poovendran, University of Washington
Secretary: Marco Rolandi, University of California, Santa Cruz
ECEDHA is the only organization devoted exclusively to addressing the needs of electrical and computer engineering educators.

- Nearly 250 ECE departments are active ECEDHA members or affiliates; 28 ECEDHA affiliates are located in Canada
- The ECEDHA Annual Conference and ECExpo is the only meeting of its kind bringing together department heads from across the United States and Canada
- The ECEDHA Annual Survey provides a comprehensive view of space, salaries, budgets, student data, and much more across member departments

> ECEDHA provides a variety of means for ECE department heads to interact electronically and in person through meetings, workshops, newsletters, and online tools

**ECEDHA HISTORY**

The organization traces its roots to the founding of the Association of Electrical Engineering Department Heads in 1963. In 1986, the organization became independent from related organizations and changed its name to the National Electrical Engineering Department Heads Association (NEEDHA).

In 2001, the current name was adopted to recognize the importance of computer engineering and encourage participation from departments outside the United States.
The Electrical and Computer Engineering Department Heads Association (ECEDHA) is the leading association for electrical and computer engineering educators, composed of nearly 300 ABET accredited ECE university department heads or chairs from across the United States and Canada.

ECEDHA’s mission is to catalyze the fields of electrical and computer engineering through member interaction and exchange. ECEDHA actively promotes industry relations and linkages through its Annual Conference and ECExpo, industry spotlights, and government sponsored grants and workshops.

MEMBERSHIP

> ECEDHA membership is open to official leaders (whether called head, chair, or some other title) of university departments offering ABET-accredited electrical and/or computer engineering (or similarly named) programs. Associate membership in ECEDHA is open to the leaders of similar departments whose programs are not currently accredited. Of nearly 250 departments offering such programs, over 90% are currently represented in ECEDHA.

> Associate membership in ECEDHA is open to the leaders of similar departments that are either located outside the U.S. or whose programs are not currently accredited.

> Affiliate membership in ECEDHA is granted by the ECEDHA Board of Directors to industrial and governmental organizations with a strong interest in electrical and computer engineering education.

> ECEDHA is the premier academic association of its kind encompassing all major electrical engineering, computer engineering, and related programs at universities across North America.
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