Saturday, March 23

1:15pm – 1:30pm  
**Opening Remarks (iREDEFINE programming)**  
Speaker: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

Dr. Miguel will welcome the iREDEFINE scholars, review the workshop schedule, explain what is expected from the students, and answer questions. There will also be a brief group activity so the participants to get to know each other.

1:30pm – 2:15pm  
**Robotics Plenary Panel (ECEDHA programming)**  
Organizer: Magnus Egerstedt, Steve W. Chaddick School Chair and Professor, Georgia Tech

2:15pm – 3:00pm  
**Multidisciplinary Design Plenary Panel (ECEDHA programming)**  
Organizer: Dennis Peters, Department Head, Memorial University of Newfoundland

3:00pm – 3:30pm  
**Networking Break (ECEDHA programming)**

During the networking break, iREDEFINE scholars will have the opportunity for one-on-one conversations with department heads. The students will be expected to summarize their research area and career aspirations and ask questions about the represented departments.

3:30pm – 4:30pm  
**Panel: Different Types of Schools (iREDEFINE programming)**

Moderator: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

Panelists:
- Barbara Marino, Director of Electrical Engineering Undergraduate Program, Loyola Marymount University, Los Angeles, CA
- Michel Reece, Chair, Electrical and Computer Engineering, Morgan State University, Baltimore, MD
- Radha Poovendran, Chair, Electrical and Computer Engineering, University of Washington, Seattle, WA
The panelists will discuss the expectations and experiences of being a faculty member at different types of organizations such as HBCUs, HSIs, teaching-oriented institutions, masters-granting institutions, Research II and I, and small and large universities.

4:30pm – 5:45pm

Funding - What Makes a Successful Proposal (iREDEFINE programming)

Speaker: Paige Smith, Program Director, National Science Foundation

The session will discuss characteristics of a successful NSF proposal.

5:45pm – 6:30pm

Break

6:30pm – 8:30pm

Evening Reception and iREDEFINE Poster Session (ECEDHA programming)

During this session, iREDEFINE scholars will be displaying their research accomplishments as posters.

Sunday, March 24

8:00am - 8:30am

Breakfast (with ECE Department Heads)

This is an additional opportunity for the iREDEFINE students to meet department heads, this time over breakfast.

8:30am – 9:00am

Spotlight Keynote (with ECE Department Heads)

This year, the keynote is offered by a professional from National Instruments (name TBD).

9:00am – 11:45am

Negotiation Skills: Strategies for Success (iREDEFINE programming)

Speaker: Jenna Carpenter, Dean and Professor, School of Engineering, Campbell University, Buies Creek, NC

Negotiation is a key everyday skill in academia (not just for reserved for job interviews and buying cars and houses!). Research shows that if you are hesitant to engage in negotiation, it can result in lower salaries, fewer promotions and less influence at work. The workshop “Negotiation Skills: Strategies for Success” will focus on research-based strategies and improving negotiation skills, such as becoming aware of the issues, learning about the negotiation process and practicing negotiation. The workshop will also talk about strategies for continuing to build negotiation skills after the conclusion of the workshop.
11:45am – 12:00pm  Break

12:00pm – 1:30pm  Lunch and Poster Session (iREDEFINE programming)

Moderator: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

During this session, iREDEFINE scholars will be displaying their research accomplishments as posters.

1:30pm – 3:30pm  CV Review and Mock Interviews (iREDEFINE programming)

Moderator: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

The goal of this two-hour long session is to help the iREDEFINE scholars in creating competitive CVs, to demystify the academic interview process, and increase the students’ confidence in their ability to be successful in their academic job search. ECE department heads will be available for one-on-one conversations about students’ CVs. Students will be encouraged to meet with 2-3 department heads to receive a comprehensive feedback on their CVs. Department heads will also be asking students typical academic interview questions. The interviewers will give the iREDEFINE scholars an immediate feedback on how they handled the question.

Moderator: Agnieszka Miguel, Associate Professor and Chair, Electrical and Computer Engineering, Seattle University, Seattle, WA

Participating Department Heads:

- Dennis Derickson, Electrical Engineering Dept. Chair, California Polytechnic, San Luis Obispo, CA
- Michael Devetsikiotis, Professor and Chair, Electrical and Computer Engineering, The University of New Mexico, Albuquerque, NM
- Susan Hagness, Professor and Chair, Electrical and Computer Engineering, University of Wisconsin, Madison, WI
- Ashfaq Khokhar, Professor and Chair, Electrical and Computer Engineering, Iowa State University, Ames, IA
- Michael T. Johnson, Professor and Chair, Electrical and Computer Engineering, University of Kentucky, Lexington, KY
3:30pm – 4:30pm

**Effective Teaching Methods (iREDEFINE programming)**

Speaker: John Booske, Professor and Chair, Electrical and Computer Engineering, University of Wisconsin, Madison, WI

The objective of this session is for the participants to understand two key components of effective teaching: having clear learning objectives and employing active learning. Specifically, participants will: (1) be able to define Learning Objectives and explain why they are important, and (2) define active learning, explain why it is important, and describe ways to implement it that range from simple to sophisticated. The session will conclude with a list of advanced resources, but will primarily emphasize practical methods on which beginning teachers can or should focus their efforts in order to get a good start on a lifelong, effective, teaching career.

4:30pm – 5:30pm

**Panel: The Perspective of Junior Diversity Faculty in an ECE Department (iREDEFINE programming)**

Moderator: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

Panelists:
Rawa Adla, Ph.D., Assistant Professor of Practice, Electrical and Computer Engineering, University of Arizona, Tucson, AZ (awaiting confirmation)

During this panel, the iREDEFINE scholars will meet junior ECE faculty from local institutions who belong to groups typically underrepresented in engineering in academia. The panelists will have a frank conversation about their experience as faculty members and advice to the students on how to navigate the challenges of their first years as academics in order to establish a successful career.

5:30pm - 6:00pm  
**Q&A - Panel with iREDEFINE Committee Members**

Moderator: Agnieszka Miguel, Associate Professor and Chair, Seattle University, Seattle, WA

Panelists:
- John Booske, Professor and Chair, Electrical and Computer Engineering, University of Wisconsin, Madison, WI (awaiting confirmation)
- Tony Maciejewski, Department Head, Electrical and Computer Engineering, Colorado State University, Fort Collins, CO

During this session, the workshop participants will have a chance to ask follow up questions about any of the workshop sessions or about any other topic related to academic careers.

6:00pm – 8:00pm  
**ECEXpo Reception (with ECE Department Heads)**

The ECEDHA conference includes ECEXpo which is an exposition of laboratory equipment, project ideas and components, textbooks, and other latest tools for engineering education. It is a great opportunity for iREDEFINE students to initiate their contact with industry which will be an important aspect of their work as faculty members. In addition, by learning more about lab equipment used in ECE courses, iREDEFINE students will be more attractive to their prospective institutions.

**Monday, March 25 (optional)**

8:00am – 8:45am  
**Keynote (ECEDHA programming)**

Speaker: Laura McGill, Air Warfare Systems, Raytheon
The iREDEFINE students are invited to attend this talk as it is beneficial to expose underrepresented minority students to successful industry professionals who also belong to an URM group.

8:45am – 9:45am  Break and check out

9:45am – 10:30am  ECEExpo Networking Break (ECEDHA programming)

This is another chance for the workshop participants to visit with industry representatives and experience pedagogical tools and equipment that they may want to use in their future courses.

10:30am – 12:00pm  Plenary Panel: Renewable Energy (ECEDHA programming)

Organizer: Stephen Goodnick, Professor, Arizona State University, Tempe, AZ

Renewable energy is rapidly expanding in its penetration into the energy grid due to continued reductions in the price of renewable energy technologies as well as increasing interest by consumers in clean energy sources. In the western United States in particular, an increasing number of states are adopting aggressive renewable energy portfolio standards, with many states considering policies requiring 50% or more of the total electrical energy to come from renewable sources in the next decade. This swiftly changing energy landscape poses many challenges as well as opportunities in terms of managing this transition, and the technologies, policies, and future workforce needed in the future to maintain a resilient energy network. This panel session brings together leading experts from the utility and solar industries, as well as government and university to present their views on the future of renewable energy and how to prepare for it.