

ESIC CURRENTS

January 30, 2025



ENERGY SYSTEMS INNOVATION CENTER

**An Energy Center Focused
On Education, Outreach,
and Research**

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Visit our website to learn more about
ESIC, memberships and how you can
become part of the ESIC community.

**ESIC Research Excellence Partnership
Membership (REP)** – Enabling
excellence in research

**ESIC Power Education Partnership
Membership (PEP)** – Supporting
power education

UPCOMING EVENTS ...

ESIC SEMINAR, WEDNESDAY, 2/5/25

Our next ESIC seminar will be **Wednesday, Feb. 5 10am-11am**, featuring our own **Dr. Anjan Bose, WSU Regents Professor**, who will be presenting: **Challenges For Decarbonizing The Grid**.

To join us virtually, please follow this [TEAMS](#) link. If you are on campus, please feel free to drop by EME 26 to join us in-person for the seminar.



Missed out on a seminar? All ESIC seminars are recorded and posted to our website, click [HERE](#) to go back and watch videos from earlier seminars.

FEDERAL POLICY CHANGE UPDATE ...

RECENT FEDERAL POLICY CHANGES

The Energy Systems Innovation Center is aware of ongoing policy changes at the federal level, and we are actively tracking the new administration's executive orders and their potential impact.

WSU has formed a leadership team to continuously monitor the situation and we will keep our stakeholders, faculty, staff, and students updated as we receive new information on evolving developments.

STUDENT ENGAGEMENT ...

ANNOUNCING OUR NEXT "STUDENT SPOTLIGHT" FEATURE ON LINKED IN

We invite you to view our Student Spotlight on LinkedIn. Each week, Pearl Miglani, our intrepid communications coordinator, interviews ESIC students to provide a glimpse into their experiences, goals, and personal insights on the future of power engineering! This week's featured student is Kunal Shankar.

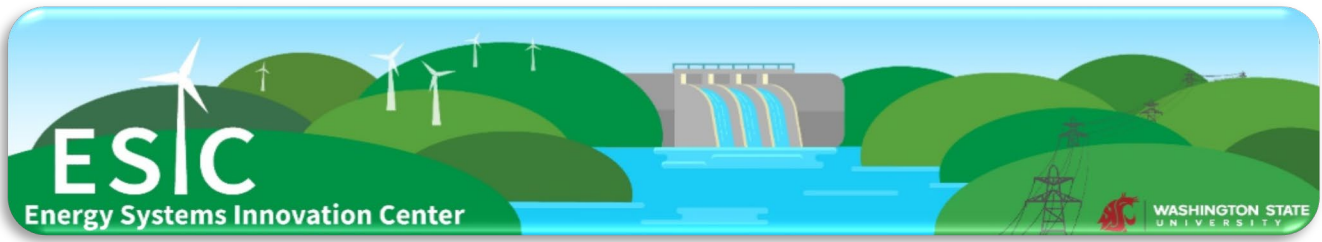


GUIDING STUDENTS TO POWER ENGINEERING

As academics, fellow students, and industry stakeholders, you all have the potential to guide and mentor high school students and college undergraduates interested in working towards a power engineering degree. If you know of such a student, please encourage them to visit our [ESIC website](#) to find out more or ask them to contact us at esic.center@wsu.edu.

FOLLOW US ON LINKEDIN

To stay up-to-date on all things concerning ESIC and power engineering, follow us on our [LinkedIn](#) page where we post seminar updates, scholarships, job openings, and so much more!



CHALLENGES FOR DECARBONIZING THE GRID

~ by ~

ANJAN BOSE

Regents Professor

Energy Systems Innovation Center

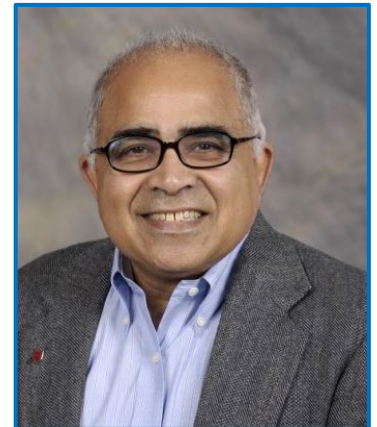
Wednesday, February 5 • 10 A ~ 11 A • EME 26

OVERVIEW

This is a roundtable discussion rather than a presentation. Let us explore some of the difficult steps that need to be taken in moving towards more renewable energy. The challenges depend on geography, the physical structure of the grid, the availability of generation resources, the regulatory structure, and many other factors. For a large country as the USA these factors vary widely and so will the solutions. Looking across the world, these factors multiply exponentially which is why the meetings of the nations to discuss a world strategy, known as the COP annual meetings, have agreed on very little.

BIO

Dr. Anjan Bose is globally known as a technical leader in the power grid control industry, a researcher in electric power engineering, and administrator in higher education. He is a Regents Professor at Washington State University, where he also served as the Dean of Engineering and Architecture (1998-2005) and in 2012-13 served as a Senior Advisor to the US Department of Energy (DOE) during the Obama administration. Major breakthroughs in power system control technology under his leadership are industrial practice today. He has continued to be a technical leader in this industry and a prominent consultant.



Dr. Bose is a Member of the US National Academy of Engineering, a founding Member and elected President of the Washington State Academy of Sciences, a Foreign Fellow of the Indian National Academy of Engineering, a Fellow of the IEEE and is active in several international professional societies. He is also the author of *The Hippies of Telegraph Avenue* (2021); sharing his educational journey and life experiences during his first year in America.