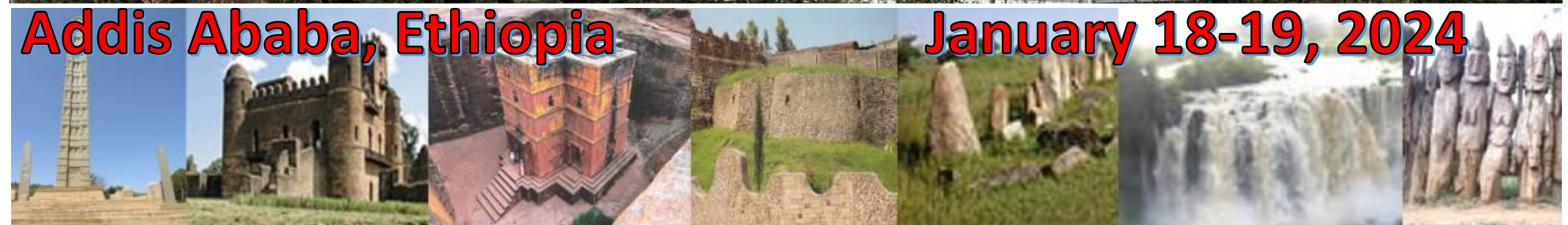**DTMES 2024**

Design and Technology of Modern Electronic Systems

Addis Ababa, Ethiopia   **January 18-19, 2024**

Co-Chairs
- Wendem Tsegaye Beyene, *Meta Platforms*
- Fetene Mulugeta, *AAiT*

Technical presentations at JUPITER INTERNATIONAL HOTEL
ADDIS ABABA

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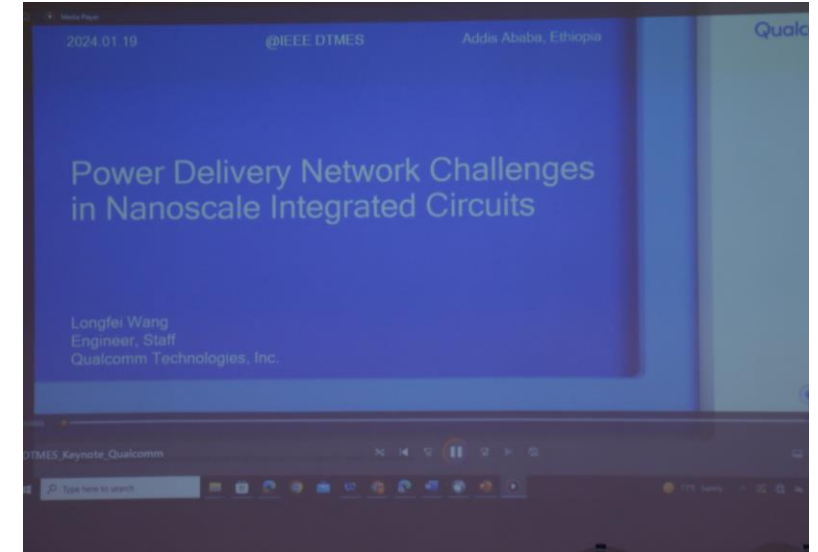Electron Devices Society

Conference Opening and Keynotes

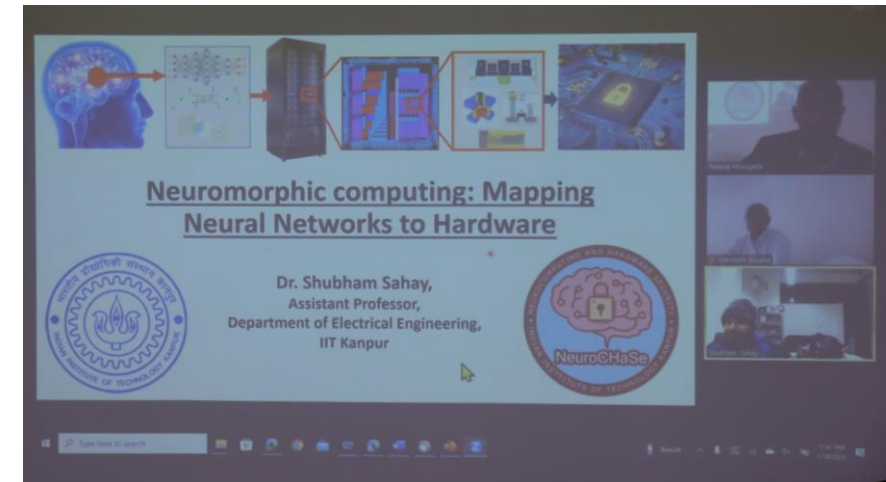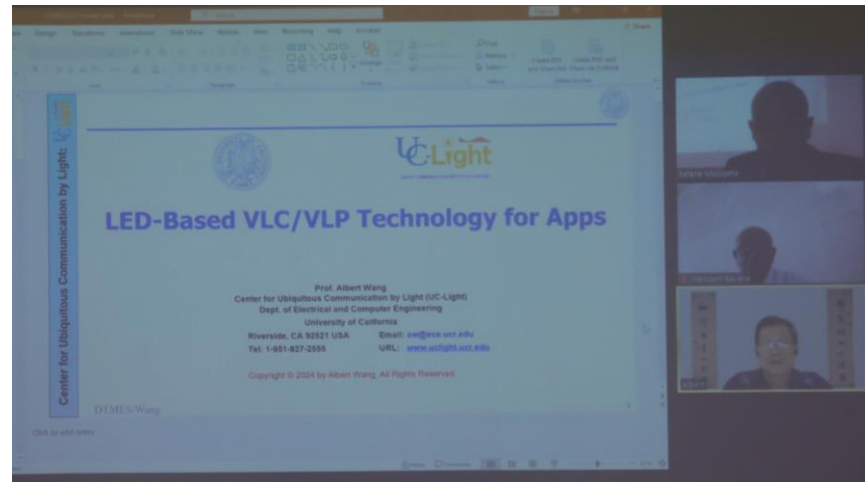Dr. Kitty Pearsall, IEEE EPS Past President

Keynote I from Meta Platforms

Keynote II from Qualcomm

- Dr. Kitty Pearsall, IEEE EPS junior past president welcomed the conference attendants
- Keynote Speeches given by Meta Platforms and Qualcomm Engineers

Technical Presentations

- The technical presentations were very interactive, and the audience had many follow up questions

Conference Attendants

- The conference was attended by many graduate students from nearby universities
- Over 50 registered and attended the conference
- A special thank you to our generous sponsors for making this symposium possible
- Planning has started to hold the fourth DTMES 2025 to be held in Nairobi, Kenya

DTMES Program

Addis Ababa Local Time	Day 1 (Jan. 18)
9:00 – 9:50 AM	**IEEE DTMES 2024 Welcome Remarks** **Local Chair: Dr Fetene Mulugeta** **Dean of School of Electrical and Computer Engineering: Dr Bisrat Derebssa**
9:50 – 10:20 AM	**Welcome by IEEE Junior EPS Past President:** **rkbnefjbludfdtrifuevctlntueuingguirukgtlckgrfgdlvffhrljeeie vhjrtgddelibnfigllflklvrhrlcdeijkbdfhKitty Pearsall**
10:20 - 10:50 AM	**Keynote Speech 1** **Mike Yee, Meta Platforms**
10:50-11:05 AM	**Coffee Break**
11:05 -12:15 PM	*Professor Benjamin Iniguaz, URV Spain* *History and Perspective of Thin Film Transistors*
12:15 - 1:30 PM	**Lunch**
1:30-2:10 PM	*Professor Albert Wang, University of California, Riverside* *LED-Based VLC/VLD Technology for Apps*
2:10- 3:00 PM	*Zijin Pan and Albert Wang* *LED-Based Visible Light Communication for Smart Apps*
3:00-3:15 PM	**Coffee Break**
3:15 - 4:15 PM	**Student Presentations I (AAiT)**
4:15-5:00 PM	*Dr Fitsum Assaminew, AAiT, Ethiopia* *Technology Self Reliance*

Addis Ababa Local Time	Day 2 (Jan. 19)
9:00 - 9:30 AM	**(20') IEEE DTMES 2022 Welcome Remarks cont'd**
9:30 - 10:00 AM	**Keynote Speech 2** *Dr Longfei Wang, Qualcomm Technology* *Power Delivery Network Challenges in Nano-scale Integrated Circuits*
10:00 - 10:50 AM	*Dr Shubham Sahay, ITT Kampur, India* *Neuromorphic Computing: Mapping Neural Networks to Hardware*
10:50-11:05 AM	**Coffee Break**
11:05 -12:15 PM	*Professor Mohamed Jamal Deen, University of Guyana, Canada* *Low Cost Bioimagers – A New Frontier in Disease Detection*
12:15 - 1:30 PM	**Lunch**
1:30-2:10 PM	*Dr Fetene Mulugeta, AAiT , Ethiopia* *IEEE Ethiopia Subsection Region 8 Participation Report and*
2:10 - 3:10 PM	**Student Presentations II (AAiT)**
3:10-3:25 PM	**Coffee Break**
3:25 - 4:25 PM	**Student Presentations III (AAiT)**
4:25 - 5:00 PM	**Lottery Draw** **Closing Remarks** **By Dr Wendem beyene and Dr Fetene Mulugeta**