Semiconductor Industry Energy Efficiency Scaling (EES2) Roadmap Working Group Meeting #5

Hosted by the DOE/EERE Advanced Materials and Manufacturing Technologies Office (AMMTO)
Virtual
April 26-27, 2023
AGENDA

April 26th, 12:00 PM – 5:00 PM EDT	
Time (EDT)	**Activity**
12:00 – 1:40	**Opening Plenary**
12:00 – 12:10	Welcome from DOE AMO Organizer (Tina Kaarsberg, DOE AMMTO, Meeting Chair)
12:10 – 12:35	Pledge Signing for New Signers
12:35 – 12:55	Plenary Talk (Marcus Pan, Science Director, SRC)
12:55 – 1:40	Panel Discussion – Workforce Development
1:40 – 3:30	**Facilitated Discussion: Technical and Non-Technical Challenges, WG Cross Collaboration** Working Groups: AP/HI, Power and Control Electronics, Metrology and Benchmarking, Manufacturing Energy Efficiency and Sustainability
1:40 – 1:45	Roadmap Schedule and Strategy: Emmanuel Taylor
1:45 – 1:55	**BREAK**
1:55 – 3:10	Block 1 – Technical and Non-Technical Challenges
3:10 – 3:20	**BREAK**
3:20 – 4:35	Block 2 – Cross Collaboration
4:35 – 4:45	**BREAK**
4:45 – 4:55	**EES2 Next Steps**
4:55 – 5:00	**Closing Remarks (Tina Kaarsberg, DOE AMMTO, Meeting Chair)**

April 27th, 12:00 PM – 4:00 PM EDT	
Time (EDT)	**Activity**
12:00 – 1:00	**Opening Plenary**

12:00 – 12:10	Welcome from DOE AMO Organizer (Tina Kaarsberg, DOE AMMTO, Meeting Chair)
12:10 – 12:40	Working Group Highlight – Circuits and Architectures (Emre Salman, Azeez Bhavnagarwala)
12:40 – 1:00	Plenary Presentation- Computation Energy in Bitcoin, Supercomputers and Smart Grids (Sadas Shankar-SLAC)
1:00 – 4:05	**Facilitated Discussion: Technical and Non Technical Challenges, WG Cross Collaboration** Working Groups: Circuits and Architectures, Algorithms and Software, Materials and Devices
1:00 – 1:05	Roadmap Schedule and Strategy: Emmanuel Taylor
1:05 – 1:15	**BREAK**
1:15 – 2:30	Block 1 – Technical and Non-Technical Challenges
2:30 – 2:40	**BREAK**
2:40 – 3:55	Block 2 – Cross Collaboration
3:55 – 4:05	**BREAK**
4:05 – 4:15	**EES2 Next Steps**
4:15 – 4:20	**Closing Remarks (Tina Kaarsberg, DOE AMMTO, Meeting Chair)**