



**BE BOLD. Shape the Future.**

## AGENDA

### 2025 Annual EUMP Advisory meeting NMSU's Photovoltaic Center and Microgrid Testbed

location:

<https://maps.app.goo.gl/QfPK5fdC3M7rNRuZ7>

Dates: 05/01 (half day) – 05/02/25 (full day)

#### Day 1, 05/01, afternoon

Time	Topic	Who
12:30:00 PM	Check in (light refreshments)	
1:00:00 PM	Day one kick-off, introductions	
1:30:00 PM	Welcome address by Dr. Ranade.	Dr. Satish Ranade
2:00:00 PM	Annual EUMP progress report	Dr. Olga Lavrova
2:30:00 PM	NMSU's microgrid upgrades: design and discussion	Dr. Olga Lavrova
3:00:00 PM	Tentative title: Market design of operating reserve	Hamid Davoudi
3:30:00 PM	Collaborator presentation: Flow Aluminum - The future of batteries	Flow Aluminum
4:00:00 PM	Hawk Spider CAESS demo, Aggie Power dashboard, walking microgrid infrastructe discussion	Michael Pick
4:30:00 PM	Dinner and discussions ( light dinner will be provided)	All
5:00:00 PM	Separate breakout: HACEER Advisory board meeting	HACEER IAB

#### Day 2, 05/02, morning and afternoon

Time	Topic	Who
7:30:00 AM	Check in (light breakfast )	
8:00:00 AM	Introductions	
8:20:00 AM	Welcome address by Dr.Jauregui , Dr. Stochaj, Dr. Mishra and Dr. Sullivan	Dr.Jauregui
9:00:00 AM	Annual EUMP progress report - recap from Day 1 and updates	Dr. Olga Lavrova
9:30:00 AM	Presentation by Dr. Wang	Dr. Fengyu Wang
10:00:00 AM	IDEAL microgrid design, v1	Farzaneh
10:30:00 AM	Collaborator presentation: Visionary Energy	Visionary Energy
11:00:00 AM	Optimization of Demand Response for Transformer Lifetime extension	Adithya, Tiago
11:30:00 AM	AG PV design and Demo: Custom tracking algorithm for PV array tracking	Adithya, Menaka
12:00:00 PM	Working lunch, discussions (Lunch will be provided)	
1:00:00 PM	SHARPS: Self Healing Adaptive microgrids	Nate, Emilio
1:30:00 PM	SHARPS: Self Healing Adaptive microgrids	Emilio
2:00:00 PM	Post-Quantum Cryptography in Smart Grid and IoT	Jacob
2:30:00 PM	Solid State Transformers and Zig-Zag SST	Manaswini, Farzaneh
3:00:00 PM	Classical and applied Failure analysis of Solid State Transformers	Manaswini, Mihir
3:30:00 PM	Long Term Storage: Capacity Expansion Planning	Tiago
4:00:00 PM	Title TBD	Arif
4:30:00 PM	Neutral Currents in Islanded Distribution Systems (NCIDS)	Farzaneh, Marcos
5:00:00 PM	Adjourn and "Overflow" discussions as needed: discussion for next year, other action items	All