

NX-422

Project Presentations - December 2025

date	room	time	Presenting group	Title	Q&A leading groups	
					first group	second group
11.Dec	AAC231	08:40	1	Closed-loop DBS for anxiety	11	19
11.Dec	AAC231	09:00	2	Self-harvesting VNS using piezo-powered battery	12	10
11.Dec	AAC231	09:20	3	FocusBand : a non-invasive closed-loop EEG-tACS wearable for ADHD	13	9
11.Dec	AAC231	09:40	4	Minimally invasive tTIS for deep brain neuromodulation	14	8
11.Dec	AAC231	10:00	5	Intracranial focused ultrasound for informed loop neuromodulation	15	7
11.Dec	AAC231	10:20	6	"NeuroBridge: Spinal Cord Injury Rehabilitation"	16	6
11.Dec	AAC231	10:40	7	DreamEEG : an EEG headband for targeted dream stimulation	17	5
11.Dec	AAC231	11:00	8	Closed-loop, non-invasive NI to restore thermal and mechanic sensations in ampu	18	4
11.Dec	AAC231	11:20	9	Adaptive retinal Implant for restoring vision in photoreceptor-degenerated patients	19	3
11.Dec	AAC231	11:40	10	Vagus nerve stimulation: selective VNS	1	2
12.Dec	AAC231	09:00	11	An invasive approach to delivering precise haptic feedback through peripheral nerv	1	18
12.Dec	AAC231	09:20	12	Biohybrid or polymer-based cochlear implant/ABI	2	17
12.Dec	AAC231	09:40	13	Improving prosthetic hand control using predictive brain-muscle signal fusion	3	16
12.Dec	AAC231	10:00	14	Self harvesting VNS	4	15
12.Dec	AAC231	10:20	15	closed-loop soft polymer NI to detect and treat synaptic degeneration in Alzheimer	5	14
12.Dec	AAC231	10:40	16	Restoring bladder function through closed-loop neurostimulation	6	13
12.Dec	AAC231	11:00	17	Closed loop system for DBS to treat epilepsy / Closed-loop Peripheral Nerve Stimu	7	12
12.Dec	AAC231	11:20	18	Non invasive sensors for bionic hand prothesis	8	11
12.Dec	AAC231	11:40	19	Wearable device for ultrasound stimulation wth therapeutic applications	9	10

Each group should present their project for **12min**. The presentation will be followed by **5min of Q&A**.
 Q&A will be initiated by the 2 groups listed on the right columns then the rest of the class, TAs and professors.