Congratulations
Dawn Taylor, PhD
Notable Woman in STEM
Crain's Cleveland Business

The Cleveland FES Center congratulates Dawn Taylor, PhD for being named a notable woman in STEM by *Crain's Cleveland Business*. The exceptional women featured in these profiles bring a broad range of skills, talent and innovations to bear on the fields of science, technology, engineering and mathematics. Thanks to their leadership, mentoring and example, young women throughout Northeast Ohio and beyond can envision and secure a future for themselves in STEM.

“Dawn Taylor has been a pioneer in the development of brain-computer interfaces for 20 years and continues to make contributions to the understanding of brain function and to the development of treatments to compensate for brain injuries,” says Robert Kirsch, PhD, Executive Director of the Cleveland FES Center and Chair of Biomedical Engineering at Case Western Reserve University.

Dr. Taylor’s first area of research is developing technology to predict one’s intended movement in real time and then generate the desired movement in the person’s paralyzed limbs through brain stimulation. Recently, her lab has shown the brain can relearn how to control the muscle stimulators directly, thus greatly simplifying the algorithms and technology required to restore movement by thought.

Her second area of study is understanding how exercise and sensory feedback training can help reduce Parkinson's symptoms by improving brain-stimulation technologies.

About the FES Center
The Cleveland FES Center is a consortium of the Louis Stokes Cleveland VA Medical Center, MetroHealth Medical Center, Case Western Reserve University, University Hospitals, and the Cleveland Clinic Neurological Institute. With their support, researchers, engineers and clinicians collaborate together to develop innovative solutions that improve the quality of life of individuals with neurological or other muscular skeletal impairments. Through the use of neurostimulation and neuromodulation research and applications, the Cleveland FES Center leads the translation of this technology into clinical deployment.