

VIRTUAL SYMPOSIUM ON HARNESSING DATA REVOLUTION FOR AUTONOMOUS MEMORY MATERIALS



THURSDAY, JULY 15
1:00-5:00PM EST

Register @

<https://forms.gle/HS2pQEUR5CdeaGjs6>



With the end of Moore's and Kryder's Laws, there is an urgent need for new computational and data storage technologies to meet the unending demands for more powerful computers and electronic devices. In this regard, as the most sophisticated computational machine in the universe, the brain has been a source of marvel and inspiration. Over the past decade, we have seen large amount of brain data being generated to understand its myriad functions and powerful deep learning algorithms being created to address complex problems in many disciplines.

The confluence of these developments means that we are now at a tipping point for harnessing the data revolution in neuroscience through data-intensive strategies that would enable the creation of next-generation computing and memory materials, such as spintronics, photonics, phononics, nanoparticles, and many others, that embed brain functional architectures. The symposium brings together speakers from neuroscience, data science, and materials science with the goal of advancing convergence research across the different disciplines.

Come join us for the Virtual Symposium on "Harnessing Data Revolution for Autonomous Memory Materials"!

Organizers



Rudiyanto
Gunawan
(U at Buffalo)



Takaki
Komiyama
(UCSD)



Claudia
Mewes
(U Alabama)



Ying
Zhang
(URI)



Linbing
Wang
(VA Tech)



MEMONET
TEAM

Invited Speakers



Eun Jung
Hwang
(RFU)



Jeff
Moehlis
(UCSB)



Sarah
Muldoon
(U at Buffalo)



Raghu
Machiraju
(OSU)



Mark
Bathe
(MIT)



Rigoberto
Hernandez
(JHU)