

# VIRGINIA TECH HACKEVENT'22

28 OCT

Welcome Event



Dr. Wu Feng



29 OCT



- 5:00 - 5:15 PM Introduction and Welcome by Dr. Wu Feng, Professor and Turner Faculty Fellow Deptt. of CS, ECE, BEAM
- 5:15 - 5:45 PM OpenPower Foundation and Features: James Kulina, Exec. Director OpenPower
- 5:45 - 6:15 PM LibreBMC: Todd Rosendahl, IBM
- 6:15 - 6:45 PM Contributing to vertical open-source: Boris Shingarov & Jan Vrany, Labware
- 6:45 - 7:15 PM Introduction to Sparsity in Deep Learning: Mark Kurtz, Director Neural Magic



30 OCT



- 11:00 AM Lecture on Sparsity + Leveraging the Sparse-ML Library (hands on) - Neural Magic
- 1:00 PM OpenPOWER ISA and MMA feature in POWER10: Peter Hofstee, IBM
- 2:00 PM *Lunch Break*
- 3:00 PM Heterogeneous integration of OpenPOWER cores: Farhang Yazdani, CEO, Broadpak
- 4:00 PM A demo on FPGA simulation and RTL to GDS II flow: Dr. Satyadhyani, KLE, India
- 5:00 PM Lab I
- 11:00 AM Deep Learning @ Scale (Lecture) ARC  
Mayflower Autonomous Ship and Enterprise AI: Eric Aquaronne, IBM
- 12:00 PM Profiling and Optimizing Deep Learning Applications (hands-on): ARC (bring your own code or we'll provide you one)  
OpenShift and Use Cases: Ander Ocha Gilo2, IBM
- 1:00 PM *Lunch Break*
- 2:00 PM Overview and Tutorial on Docker and Singularity: Open OnDemand  
Distributed Deep Learning using POWER systems: Dr. D.K. Panda, OSU
- 3:00 PM Creating Passenger Applications: Open OnDemand  
Enterprise AI Solutions and Demo: Florin Manila, IBM
- 4:00 PM POWER Developer Exchange and PSAI update: Jenna Murillo, IBM  
Migrating your custom Jupyter Notebook to ARC resources - ARC



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