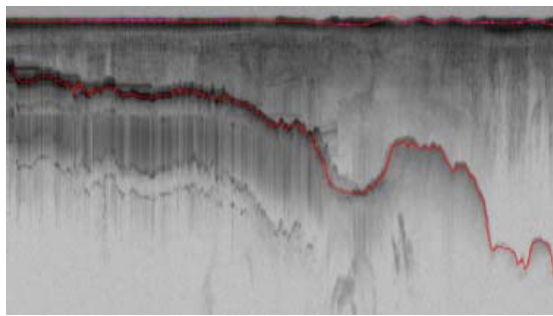


# AICE: AI solutions for the Arctic and Antarctic discovery

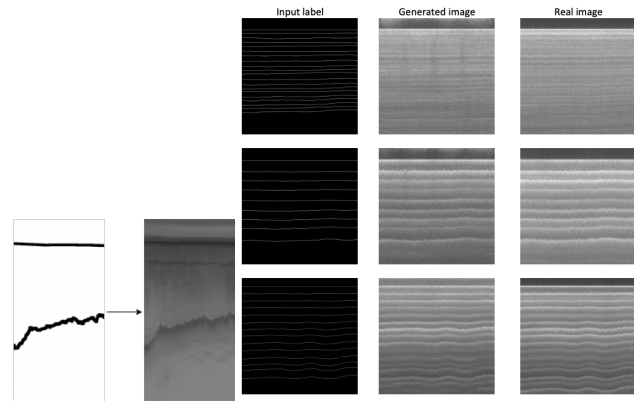
Lead PI: Dr. Maryam Rahnemoonfar ([maryam@umbc.edu](mailto:maryam@umbc.edu))

Mass loss from the Greenland and Antarctic ice sheets has accelerated in recent decades. Despite massive efforts on the collection of large data from the costly Arctic and Antarctic fieldwork, the analysis of these big, heterogeneous datasets is still very challenging.

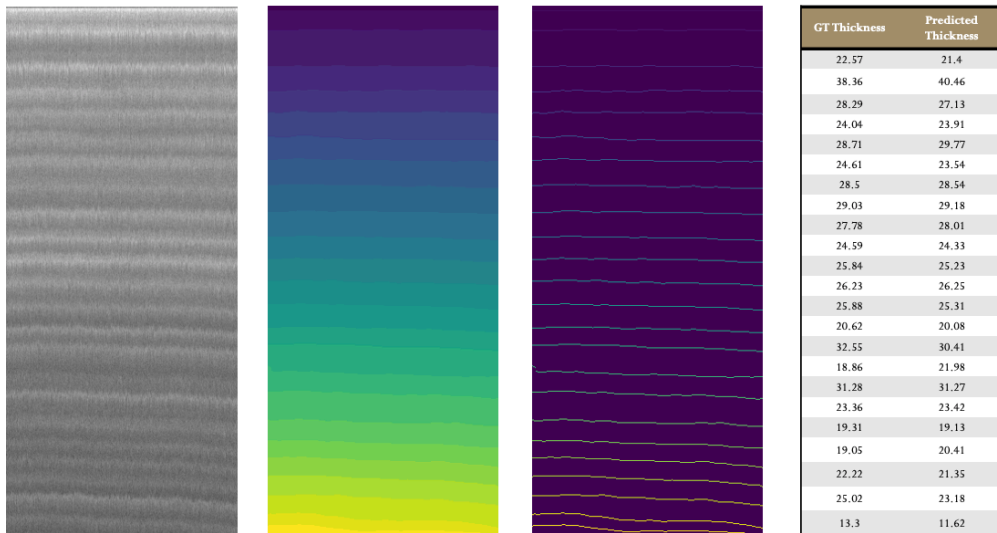
AICE provides Intelligent Solutions for Navigating Big Data from the Arctic and Antarctic: [NSF award](#)



AICE solutions:  
Ice surface and bedrock tracking



Arctic Data simulation with GANs



AICE solutions: Greenland Ice Sheet Stratigraphy and thickness prediction

