ID: **Pa05**   Type: **Panel**

Learning, Deep Learning, and High-Performance Computing: Transforming CTBTO's Operations in Global Monitoring and Verification

How can emerging technologies (e.g. machine learning, deep learning, artificial intelligence, cloud computing, etc.) support our core business / mission / verification sciences? The session will draw the connection between CTBTO tasks (data verification related activities) and ML/DL opportunities, identify infrastructure support for ML/DL-related activities, and discuss how to integrate ML/DL techniques into CTBTO-related software.

E-mail

In-person or online preference

Presenters: ARCHAMBAULT, Brian (Pacific Northwest National Laboratory (PNNL)); Mr BURNAEV, Evgeny (Skoltech, AIRI); Mr ASSINK, Jelle (Royal Netherlands Meteorological Institute (KNMI)); Ms SRIVASTAVA, Nishtha (Goethe University); Mr MARQUES ROJO, Rui (Argentinian Navy Research Office (ARA) & UNIDEF (CONICET)); Ms ELKHOULY, Shimaa (National Research Institute of Astronomy and Geophysics (NRIAG))

Session Classification: Panel "Machine Learning, Deep Learning and High-Performance Computing: Transforming CTBTO's Operations in Global Monitoring and Verification"