

Workshop on Emerging Technologies: ML, AI, DevOps

On April 14th Saturday 12:00 - 4:00pm

3624 Parkside Center Dr, Broomfield

Machine Learning

Dr. Dmitriyeva: 12:00-1:00pm

Machine Learning:

**Supervised, Unsupervised,
Reinforcement learning.**

**Classification and regression
algorithms. Discussion on
workflow and evaluation of
ML models using
measurement metrics.
Short demonstration.**

Deep Learning

**Dr. Vyacheslav (Slava) Barsuk:
1:00 - 2:00 pm**

**Artificial neural networks and
their components.**

Neuron activation functions.

**Backpropagation learning
algorithm.**

Convolutional networks

**Supervised and unsupervised
learning in deep learning**

Kubernetes

Samson Gudise : 2:15 - 3:15 pm

**Kubernetes Objects. Pods,
Deployments, ConfigMaps and
Volumes.**

**Deploy multi-tier
high-available application and
scale it horizontally with load.
Short demonstration**

About presenters



Dr. Olga Dmitriyeva

Dr. Olga Dmitriyeva is a founder of Dynamic Data LLC, which provides data consulting service to businesses and research organizations. Her passion and expertise lie in application of machine learning to solve technical and business related problems.



Dr. Vyacheslav (Slava) Barsuk

My current interests are in applying mathematical methods and machine learning in the area of system and application management automation and automated problem determination



Samson Gudise

Samson Gudise is DevOps Advocate. Worked on various Infrastructure Automations. He like explore, learn and apply new opensource technologies to improve infrastructure efficiencies.