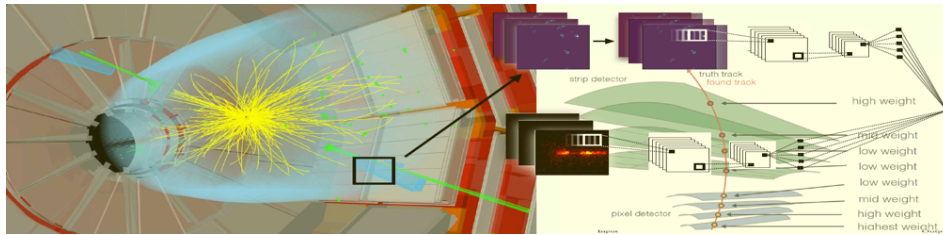


# Machine Learning Workshop/Hackathon



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## **Machine Learning lecture I S. Gleyzer**

*Wednesday, 24 April 2019 14:30 (1h 30m)*

**Presenter:** SERGEI V, Gleyzer

**Session Classification:** Afternoon Session

Contribution ID: 2

Type: **not specified**

## Hands-on exercises

*Wednesday, 24 April 2019 16:30 (1h 30m)*

**Presenter:** SERGEI V, Gleyzer

**Session Classification:** Afternoon Session

Contribution ID: 3

Type: **not specified**

## **Hackathon Office hours (F-442) (5:30 PM - 6:30 PM)**

*Wednesday, 24 April 2019 18:00 (1 hour)*

**Session Classification:** Afternoon Session

Contribution ID: 4

Type: **not specified**

## Machine learning lecture II S. Gleyzer

*Thursday, 25 April 2019 14:00 (1h 30m)*

**Presenter:** Dr GLEYZER, Sergei (University of Florida (US))

**Session Classification:** Afternoon Session

Contribution ID: 5

Type: **not specified**

## Hands on exercises

*Thursday, 25 April 2019 16:00 (1h 30m)*

**Session Classification:** Afternoon Session

Contribution ID: 6

Type: **not specified**

## **Hackathon Office hours (F-442) (5:30 PM - 6:30 PM)**

*Thursday, 25 April 2019 17:30 (1h 30m)*

**Session Classification:** Afternoon Session

Contribution ID: 7

Type: **not specified**

## Machine Learning Lecture III S. Gleyzer

*Friday, 26 April 2019 10:00 (1h 30m)*

**Presenter:** GLEYZER, Sergei (University of Florida (US))

**Session Classification:** Morning Session - Talks about ML/Data Science applications



Contribution ID: 8

Type: **not specified**

## Hackathon Solutions Due

*Friday, 26 April 2019 11:30 (1 hour)*

**Session Classification:** Morning Session - Talks about ML/Data Science applications

Contribution ID: 9

Type: **not specified**

## Hackathon results

*Friday, 26 April 2019 14:00 (1 hour)*

**Session Classification:** Afternoon Session

Contribution ID: **10**

Type: **not specified**

## **Workshop Close-out**

*Friday, 26 April 2019 15:00 (1 hour)*

**Session Classification:** Afternoon Session

Contribution ID: 11

Type: **not specified**

## Wolfgang Rolke (Dept. of Mathematics)- Basic Statistics Concepts for ML

*Wednesday, 24 April 2019 09:30 (45 minutes)*

**Presenter:** Prof. ROLKE, Wolfgang (University of Puerto Rico - Mayaguez, Department of Mathematical Sciences)

**Session Classification:** Talks ML/Data science Applications

Contribution ID: 12

Type: **not specified**

## **Wilson Rivera Gallego (Dept. of CSE) - A Deep Learning Approach to Protein Structure Classification and Prediction**

*Wednesday, 24 April 2019 10:45 (30 minutes)*

**Session Classification:** Talks ML/Data science Applications

Contribution ID: 13

Type: **not specified**

## **Manuel Rodriguez-Martinez (Dept. of CSE) - Twitter Health Surveillance (THS) System**

*Wednesday, 24 April 2019 10:15 (30 minutes)*

**Session Classification:** Talks ML/Data science Applications

Contribution ID: 14

Type: **not specified**

## **Jairo Orozco Sandoval (Dept of Physics)- : Discovering phase transitions using unsupervised machine learning PCA**

*Thursday, 25 April 2019 09:30 (30 minutes)*

**Session Classification:** Morning Session - Talks about ML/Data Science applications

Contribution ID: 15

Type: **not specified**

## **Guillermo Fidalgo (Dept of Physics) - Machine Learning in DQM at CMS Experiment**

*Thursday, 25 April 2019 10:00 (30 minutes)*

**Presenter:** Mr FIDALGO RODRIGUEZ, Guillermo Antonio (University of Puerto Rico at Mayagüez)

**Session Classification:** Morning Session - Talks about ML/Data Science applications



Contribution ID: 16

Type: **not specified**

## **Juan Figueroa, Heidy Sierra & Emmanuel Arzuaga (Dept. of CSE) - YOLOv3 for ASL Translation**

*Thursday, 25 April 2019 09:00 (30 minutes)*

**Session Classification:** Morning Session - Talks about ML/Data Science applications

Contribution ID: 17

Type: **not specified**

**Fernando Arias, Emmanuel Arzuaga & Heidy Sierra  
(Dept. of CSE) - Compressive Sensing Biomedical  
Image Reconstruction with ISTA-NET**

*Thursday, 25 April 2019 10:30 (30 minutes)*

**Session Classification:** Morning Session - Talks about ML/Data Science applications

Contribution ID: 18

Type: **not specified**

## **Edgar Acuna (Dept. of Mathematics)- Visualizing multidimensional data using PCA and T-SNE**

*Thursday, 25 April 2019 11:00 (1 hour)*

**Session Classification:** Morning Session - Talks about ML/Data Science applications

Contribution ID: 19

Type: **not specified**

## Welcome and Snacks

*Wednesday, 24 April 2019 09:00 (30 minutes)*

**Session Classification:** Talks ML/Data science Applications