

**Rutgers SAS MPS-DLS
AI/ML/Data Science Workshop**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Structure-Aware Machine Learning for Protein Design

Friday 13 January 2023 11:15 (15 minutes)

Presenter: KHARE, Sagar (Chemistry and Chemical Biology)

Session Classification: Talks

Contribution ID: 2

Type: **not specified**

Overview of AI/ML/DS Research in Computer Science

Friday 13 January 2023 09:15 (30 minutes)

Author: BEKRIS, Kostas (Rutgers University)

Presenter: BEKRIS, Kostas (Rutgers University)

Session Classification: Talks

Contribution ID: 3

Type: **not specified**

Data Science and Machine Learning in Genomics

Friday 13 January 2023 11:30 (15 minutes)

Presenter: XING, Jin (DLS - Genetics)

Session Classification: Talks

Contribution ID: 4

Type: **not specified**

Overview of Earth and Planetary Sciences and Data Science

Friday 13 January 2023 11:00 (15 minutes)

Author: OJHA, Lujendra (Earth and Planetary Sciences)

Presenter: OJHA, Lujendra (Earth and Planetary Sciences)

Session Classification: Talks

Contribution ID: 5

Type: **not specified**

Applications of Machine Learning to Pure Mathematics

Friday 13 January 2023 10:15 (15 minutes)

Author: KONTOROVICH, Alex (Mathematics)

Presenter: KONTOROVICH, Alex (Mathematics)

Session Classification: Talks

Contribution ID: 6

Type: **not specified**

Unsupervised inference of graph properties with random walks

Friday 13 January 2023 12:00 (15 minutes)

Author: MOROZOV, Alex (Physics & Astronomy)

Presenter: MOROZOV, Alex (Physics & Astronomy)

Session Classification: Talks

Contribution ID: 7

Type: **not specified**

A Brief Overview of Machine Learning Applications to Fundamental Physics

Friday 13 January 2023 11:45 (15 minutes)

Author: SHIH, David

Presenter: SHIH, David

Session Classification: Talks

Contribution ID: 8

Type: **not specified**

Learning discrete and complex structure from data: MCMC, performance guarantee, and interpretability

Friday 13 January 2023 09:45 (15 minutes)

Author: XU, Min (Statistics)

Presenter: XU, Min (Statistics)

Session Classification: Talks

Contribution ID: 9

Type: **not specified**

Causality, uncertainty and efficient exploration

Friday 13 January 2023 10:00 (15 minutes)

Author: DASGUPTA, Tirthankar (Statistics)

Presenter: DASGUPTA, Tirthankar (Statistics)

Session Classification: Talks