

Interdisciplinary Computing/AI and Physical Sciences Forum 2024

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome Speech

Tuesday, 16 July 2024 09:30 (5 minutes)

Presenter: LIU, Jianglai (Shanghai Jiao Tong University)

Session Classification: Computing/AI Session

Contribution ID: 2

Type: **not specified**

Optimization of the data processing pipeline for the Square Kilometre Array (SKA) telescope

Tuesday, 16 July 2024 09:40 (20 minutes)

Presenter: WEI, Jianwen (Network & Information Center, Shanghai Jiao Tong University)

Session Classification: Computing/AI Session

Contribution ID: 3

Type: **not specified**

SCIDATA: manage and publish your scitific data

Tuesday, 16 July 2024 10:00 (20 minutes)

Presenter: WANG, Xingze (Network & Information Center, Shanghai Jiao Tong University)

Session Classification: Computing/AI Session

Contribution ID: 4

Type: **not specified**

Progress on the Trident Data Acquisition System

Tuesday, 16 July 2024 10:20 (20 minutes)

Presenter: XU, Dongyang (Network & Information Center, Shanghai Jiao Tong University)

Session Classification: Computing/AI Session

Contribution ID: 5

Type: **not specified**

Parameter Estimation from the Shadow of the Supermassive Black Holes

Tuesday, 16 July 2024 11:00 (20 minutes)

Presenter: MIZUNO, Yosuke (TDLI / Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 6

Type: **not specified**

Exoplanet atmosphere models

Tuesday, 16 July 2024 11:20 (20 minutes)

Presenter: TAN, Xianyu (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 7

Type: **not specified**

AI for Tianyu survey of exoplanets and time-domain

Tuesday, 16 July 2024 13:00 (20 minutes)

Presenter: FENG, Fabo (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 8

Type: **not specified**

Modeling of axion and electromagnetic fields interaction in particle-in-cell simulations

Tuesday, 16 July 2024 13:20 (20 minutes)

Presenter: AN, Xiangyan (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 9

Type: **not specified**

PandaX, Computing and AI

Tuesday, 16 July 2024 13:40 (20 minutes)

Presenter: CHEN, Xun (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: **10**

Type: **not specified**

Dark SHINE Simulation software framework

Tuesday, 16 July 2024 14:00 (20 minutes)

Presenter: ZHU, Xuliang (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 11

Type: **not specified**

Fast Simulation of Calorimeter Detector with CaloVQ

Tuesday, 16 July 2024 14:20 (20 minutes)

Presenter: LIU, Qibin (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Physical Sciences Session

Contribution ID: 14

Type: **not specified**

Welcome Speech

Tuesday, 16 July 2024 09:35 (5 minutes)

Presenter: LIN, James (Network & Information Center, Shanghai Jiao Tong University)

Session Classification: Computing/AI Session