Artificial intelligence symposium on theory, application and research

Report of Contributions

Contribution ID: **2** Type: **not specified**

Introduction of ESA/ESOC

Tuesday, 5 October 2021 09:10 (10 minutes)

Presenter: DENSING, Ralf (ESA)

Session Classification: opening session

Track Classification: Openning session

Contribution ID: **3** Type: **not specified**

Introduction of Merck

Tuesday, 5 October 2021 09:20 (10 minutes)

Presenter: BECKMANN, Kai

Session Classification: opening session

Track Classification: Openning session

Contribution ID: 4 Type: **not specified**

Introduction of GSI/FAIR

Tuesday, 5 October 2021 09:30 (10 minutes)

Presenter: GIUBELLINO, Paolo (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: opening session

Track Classification: Openning session

Contribution ID: **5** Type: **not specified**

Welcome

Tuesday, 5 October 2021 09:00 (10 minutes)

Presenter: Dr DE CANIO, Gabriele (European Space Operations Centre)

Session Classification: opening session

Track Classification: Openning session

Contribution ID: **6**   Type: **not specified**

Explainable AI in Finance

Tuesday, 5 October 2021 09:45 (45 minutes)

Presenter: Dr MAGAZZENI, Daniele

Session Classification: Human impact

Track Classification: Human Impact

Contribution ID: **7**   Type: **not specified**

What did we learn in assessing Trustworthy AI in practice?

Tuesday, 5 October 2021 11:35 (25 minutes)

Presenter: Prof. ZICARI, Roberto V.

Session Classification: Human impact

Track Classification: Human Impact

Contribution ID: **8** Type: **not specified**

Dependability & AI

Tuesday, 5 October 2021 12:00 (30 minutes)

Presenters: POIGNÉE, Frank; Dr HEINESCH, Roland

Session Classification: Human impact

Track Classification: Human Impact

Contribution ID: **9**   Type: **not specified**

The human body is the biggest data platform - Implications on Ethics & AI

Tuesday, 5 October 2021 12:30 (30 minutes)

Presenter: Dr NEMAT, André T.

Session Classification: Human impact

Track Classification: Human Impact

Contribution ID: **12**
Type: **Technical Talk**

Hybrid operational digital twins for complex systems

Wednesday, 6 October 2021 09:00 (30 minutes)

Presenter: Prof. FINK, Olga

Session Classification: Research, methods and algorithms

Track Classification: Research, methods and algorithms

Contribution ID: **13**   Type: **Technical Talk**

Deep Learning: Graph Networks

Wednesday, 6 October 2021 09:30 (30 minutes)

Presenter: Dr KUNZE, Marcel

Session Classification: Research, methods and algorithms

Track Classification: Research, methods and algorithms

Contribution ID: **14**

Type: **Technical Talk**

Application of Machine Learning Analysis Techniques in Particle Physics

Wednesday, 6 October 2021 10:00 (30 minutes)

Presenter: WILKINSON, Jeremy (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Research, methods and algorithms

Track Classification: Research, methods and algorithms

Contribution ID: **15** Type: **not specified**

Transforming space mission operations with AI

Wednesday, 6 October 2021 09:00 (30 minutes)

Presenter: Dr DE CANIO, Gabriele

Session Classification: Area of applications

Contribution ID: **16** Type: **Technical Talk**

AI robotics for sustainable space exploration and exploitation

Wednesday, 6 October 2021 09:30 (30 minutes)

Presenter: Prof. GAO, Yang

Session Classification: Area of applications

Contribution ID: **17**　　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Digital Twins of Matter under Extreme Conditions

Wednesday, 6 October 2021 10:00 (30 minutes)

Presenter: Dr BUSSMANN, Michael (CASUS - Center for Advanced Systems Understanding Helmholtz-Zentrum Dresden-Rossendorf e.V. (HZDR))

Session Classification: Area of applications

Contribution ID: 18　　　　　　　　　　　　　　　　　　　　　　Type: **not specified**

AI as a means for Intelligence Amplification and Augmentation

Tuesday, 5 October 2021 10:30 (45 minutes)

Presenter: Prof. DENGEL, Andreas

Session Classification: Area of applications

Contribution ID: **19** Type: **not specified**

AI Planning & Scheduling for Intelligent Decision-Making Support and Optimization

Wednesday, 6 October 2021 11:40 (30 minutes)

Presenter: Dr FRATINI, Simone (Solenix Engineering GmbH)

Session Classification: Research, methods and algorithms

Contribution ID: **20**   Type: **not specified**

Natural Language Processing & Understanding in Space: Progress & Challenges Ahead

Wednesday, 6 October 2021 12:10 (30 minutes)

Presenter: GÓMEZ-PÉREZ, José Manuel (Language Technology Research Expert.ai)

Session Classification: Research, methods and algorithms