

CONTENTS

Wojciech Krzemień, Konrad Klimaszewski, Lech Raczyński

Preface: 2nd International workshop on machine learning
and quantum computing applications in medicine and physics 5

Lucio Anderlini, Matteo Barbetti, Giulio Bianchini, Diego Ciangottini,

Stefano Dal Pra, Diego Michelotto, Rosa Petrini, Daniele Spiga

Developing artificial intelligence in the cloud:
the AI_INFN Platform. 9

Tomasz Rybotycki, Piotr Gawron

AQMLATOR – An auto quantum machine learning e-platform 29

Aleksander Ogonowski, Michał Żebrowski, Arkadiusz Ćwiek,

Tobiasz Jarosiewicz, Konrad Klimaszewski, Adam Padee,

Piotr Wasiuk, Michał Wójcik

Preliminary study on artificial intelligence methods for
cybersecurity threat detection in computer networks based
on raw data packets. 45

Eda Cakir, Marc-Thorsten Hütt

Network-based computational pipeline for studying
variability of transcriptome profiles for human diseases 69

Piotr Kalaczyński

Reconstruction of muon bundles in KM3NeT detectors
using machine learning methods 91

Luis E. Suelves, William J. Pearson, Agnieszka Pollo

Characteristic sky background features around galaxy mergers. 109

Lech Raczyński, Wojciech Krzemień, Konrad Klimaszewski

Improving PET scanner time-of-flight resolution using
additional prompt photon. 127