Robust and data-Efficient Learning for Industrial Control

Fact Sheet

Project Information

RELIC
Grant agreement ID: 101063948

Funded under
Marie Skłodowska-Curie Actions (MSCA)

DOI
10.3030/101063948

Total cost
€ 0,00

EU contribution
€ 210 911,04

Start date
5 June 2023

End date
4 June 2025

Coordinated by
NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU
Norway

Project description

A holistic approach to delivering energy

Our life depends on heat, power and gas networks. The greening of these networks is crucial to Europe’s energy and resource efficiency targets. In this context, the EU-funded RELIC project will explore a holistic approach to how resources and energy are delivered to the industry via distribution networks. It will explore how incorporating data-driven learning in the design of control algorithms leads to improved environmental performance. Currently, timescales ranging from milliseconds to ensure the safe operation of pumps or generators to days or months make operation complicated. There is uncertainty in terms of the operating conditions
and incomplete information. The project will develop new operating strategies for distribution networks.

Fields of science

engineering and technology > electrical engineering, electronic engineering, information engineering > electrical engineering > power engineering > electric power distribution > engineering and technology > mechanical engineering > vehicle engineering > automotive engineering > engineering and technology > electrical engineering, electronic engineering, information engineering > electronic engineering > robotics > natural sciences > computer and information sciences > artificial intelligence > machine learning

Programme(s)

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA)

Topic(s)

HORIZON-MSCA-2021-PF-01-01 - MSCA Postdoctoral Fellowships 2021

Call for proposal

HORIZON-MSCA-2021-PF-01

See other projects for this call

Funding Scheme

MSCA-PF - MSCA-PF

Coordinator

NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

Net EU contribution

€ 210 911,04
Partners (1)

AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE

Poland

Net EU contribution

€ 0,00

Address

Al adama mickiewicza 30
30-059 Krakow

Region

Makroregion południowy > Małopolskie > Miasto Kraków

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00