



Department of
Mathematical Modelling
and Data Analysis
Educational and Research
Institute of Physics and Technology
NTUU "Igor Sikorsky Kyiv Polytechnic Institute"

Earth observation data science programs in National Technical University of
Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"



Nataliia Kussul, Andrii Shelestov

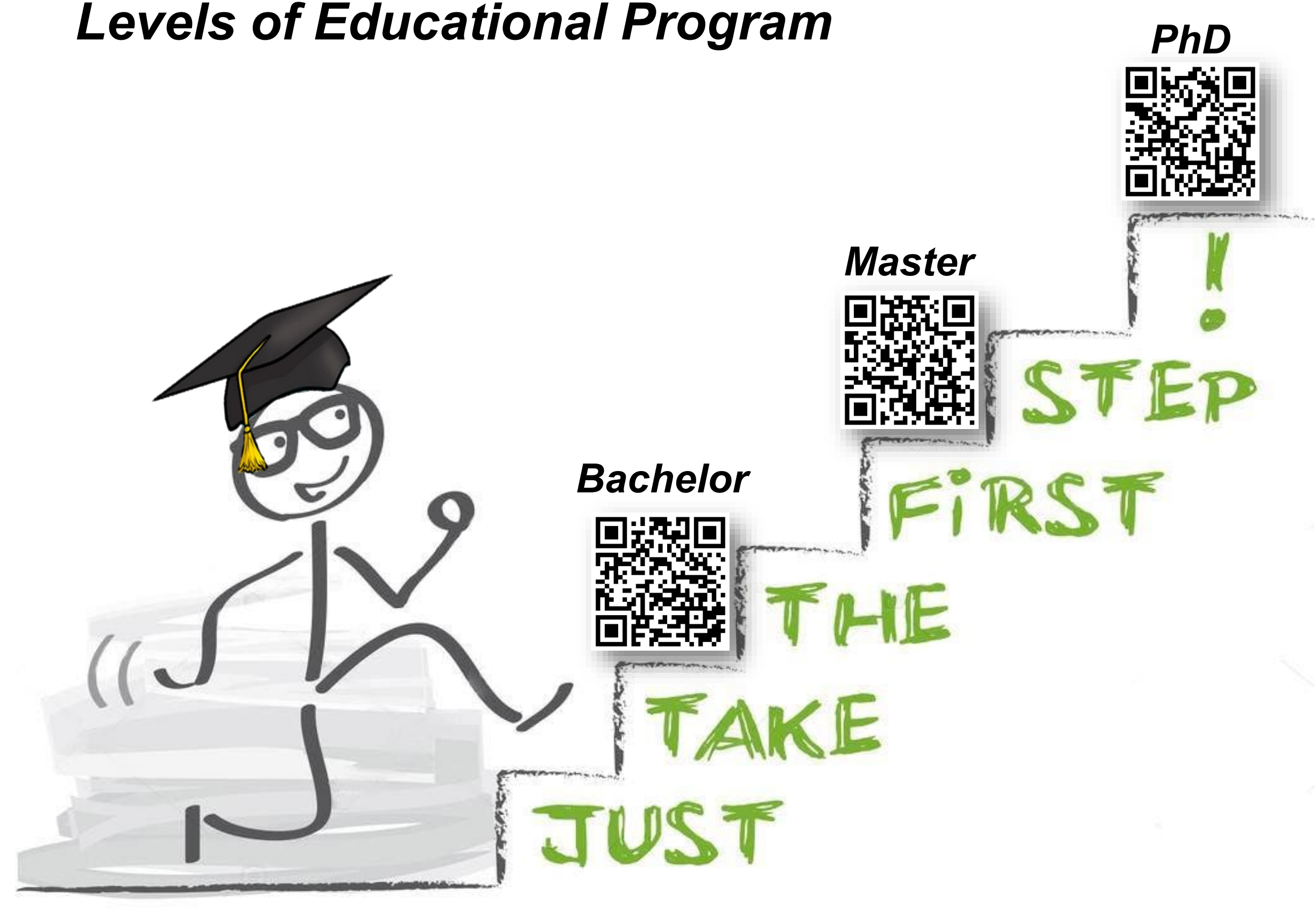
Educational program "Mathematical methods of modeling,
pattern recognition and computer vision"



Copernicus
Academy



Levels of Educational Program

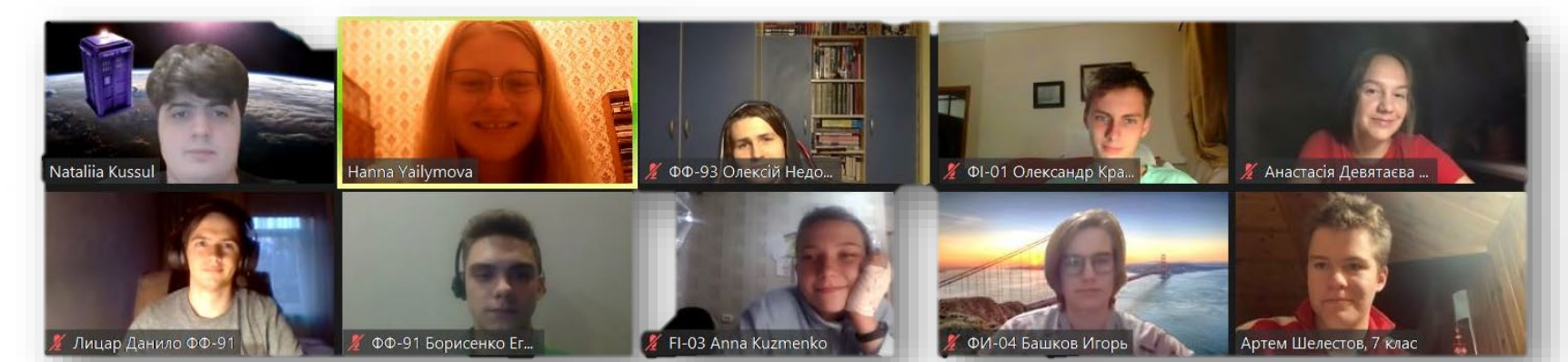


About Educational Program

Вебінар для вступників за спеціальністю 113 Прикладна математика
Освітня програма "Методи математичного моделювання, розпізнавання образів та комп'ютерного зору"

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Вебінар для вступників до магістратури 25.05.2021 о 16:00

- Workshops "Satellite data science in Google Earth Engine"
- Volunteer programs for students
- Summer research schools "Data Analysis"



Education on Real Projects, international awards, Olympiads

- Samsung – dual education
- NASA – intellectual analysis of satellite data
- Amazon – cloud technologies
- Google – machine and deep learning
- Horizon 2020 - innovative research projects
- NRFU – Ukrainian science
- E-shape – European Showcase
- Commercial projects in computer vision



Educational process, GIS technologies



GIS training technologies for government



Meet and Code



Master class on satellite analysis of the ecological situation of the Earth for schoolchildren



Techno Ukraine 2020



Grant under the "Open Data Challenge"

Our team



Active participation in international conferences and high-level articles



International Olympiad "Mathematics without Borders"

- General Assembly 2022.
- International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications.
- International Geoscience and Remote Sensing Symposium
- International Conference on Smart Technologies (EUROCON)