

# Dmytro Humennyi

## Ph.D. Robotics and automatic control system

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## Education

- **National Technical University of Ukraine 'Kyiv Polytechnic Institute'**
  - **Doctoral studies:** Computer Sciences - Supercritical control systems
  - **Doctor of Philosophy (Ph.D.):** Mechatronics, Robotics, and Automation Engineering
  - **Master:** Flexible robotics system and control systems
  - **Bachelor:** Software engineering

## Employment history (Short)

- **N-iX [11.2021 - now]**
  - Engineering manager of Automotive direction
    - Led cross-functional teams (SW, HW, Mechanical)
    - PoCs preparation
    - Functional Safety mngt. & Setting the A-SPICE
  - Automotive SW Engineer and Project Manager
    - Embedded - in general
- **Global Logic [03.2018 - 12.2021]**
  - Lead test engineer and Associate manager: leading 2 teams of the automotive project.
    - Customer relationship
    - Delivery management
    - Team and tech leading
    - MATLAB Simulink testing
    - ISO 26262 (FuSa) testing
    - A-SPICE 3.1 Test process
  - Team and Tech Lead
    - Automotive project: Model-based design and test of The active suspension functionality
  - Senior Engineer
    - The automotive project relates to the MIL and SIL test setup
    - The medicine-related project includes design and test surgeon robotic and equipment.
- **State Companies and Institutions**
  - Associate professor/docent - **Kyiv National Un-t of Constr. and Arch. Cyber Security dep-t** [09.2017 - now]
  - Senior Researcher - **Institute of Precision Mechanics. State Space Agency of Ukraine** [07.2021 - 02.2022]
  - Associate professor - **Kyiv Polytechnical University Technical cybernetic dep-t** [09.2010 - 07.2021]
  - Automation control engineer - **Novarka** [09.2017 - 02.2018]
  - Research engineer - **Kurs R&D Complex, State Space Agency of Ukraine** [04.2016-12.2016]

## Technical Skills

- MATLAB/Simulink, C/C++
- CarMaker, Carla, ROS2, MIL/SIL/HIL, HW design, Jira & Confluence, SystemWeaver, Gerrit, Jenkins, Doors,
- Automotive (suspension, body control), robotics (industrial, manipulators, mobile), healthcare (robotics applications)
- Documentation (Hardware and Software architecture description, Design Description, Hardware / Software Test Plan and test results)

## Certifications

- Functional Safety: ISO 26262 by TÜV SÜD & Cybersecurity: ISO 21434 by TÜV SÜD
- Scaled Agile: SAFe 5.1 by Scaled Agile & Industrial automatisisation on the TIA portal by Siemens

## Standards, and Workflow

ISO 26262, ISO 21434, ISO 33020, A-SPICE 3.1, MISRA AC series, Simulink test guideline, MAAB, SAFe 5.1

## Hobbies

Mountain hiking, High Education. and Automotive (Old-style cars)

## Language

Ukrainian (Native), English (Professional Working Proficiency)

## Additional information

[LinkedIn](#)

[ResearchGate](#)

[GoogleScholar](#)