



Iman Esfandiyar

Nationality: Iranian **Date of birth:** 30/12/1992

Phone number: (+48) 660822352 **Email address:** iman@esfandiyar.net

Website: <https://esfandiyar.net/>

Work: Piotrowo 3, 61-139 Poznań (Poland)

ABOUT ME

I am a dedicated, self-motivated, and personable individual with a passion for problem-solving, particularly concerning engineering challenges. I get a lot done working independently or as part of a team. I am a fast learner, and I am willing to learn something new each day. I like having new challenges that test my coping abilities with a creative approach. Proactive in maintaining adequate time and well-organized for project management.

EDUCATION AND TRAINING

Master's degree

Poznan University of technology, Poland [14/02/2018 – 29/06/2020]

Address: Plac Marii Skłodowskiej-Curie 5, 60-965 (Poland) | **Field(s) of study:** Automatic Control and Robotics, specialization Smart Aerospace and Autonomous Systems

Bachelor's degree

Azad University Damavand Branch [09/10/2011 – 14/06/2016]

Country: Iran | **Field(s) of study:** Mechanical Engineering, Specialization Mechatronics

PUBLICATIONS

[2023]

GNSS-Based Driver Assistance for Charging Electric City Buses: Implementation and Lessons Learned from Field Testing

Remote Sensing | Journal volume: vol. 15 | Journal number: iss. 11

WORK EXPERIENCE

Chief specialist robotics and AI

Sieć Badawcza Łukasiewicz - Poznań Institute of Technology [15/10/2022 – Current]

City: Poznan | **Country:** Poland | **Email address:** iman.esfandiyar@pit.lukasiewicz.gov.pl | **Name of unit or department:** Artificial Intelligence Development - **Business or sector:** Information and communication

University teaching assistant

Poznań University of Technology [14/10/2021 – Current]

City: Poznań | **Country:** Poland

Conducting Information engineering, Robotics, Foundation of artificial intelligence

Robotic software development lead

ROGOŹ Sp. z o.o. -A- S.K.A. [30/06/2021 – 31/12/2024]

City: Poznan | **Country:** Poland | **Email address:** i.esfandiyar@rogozpolska.pl

Research assistant

Poznań University of Technology [30/09/2019 – 29/06/2021]

City: Poznań | Country: Poland

- Design and develop Advanced driver-assistant system for articulated urban buses.
- Develop Sensor fusion, state estimation planning and control algorithms of automatous vehicles
- Developing ROS1 and ROS2 packages, Programming C++ in Linux OS

Team leader

Azad University of Damavand [14/08/2011 – 14/04/2014]

City: Damavand | Country: Iran

- Coordinator and technical manager of DML rescue robot research group
- Design and develop of mechanical systems of various mobile robots
- Establishing modular electronic and embedded systems.
- Establishing robotic communication systems.

Workshop coordinator

Spadana Co [31/07/2017 – 27/02/2018]

City: Pardis | Country: Iran

- Vending machine production line manager
- Mechanical system design

PROJECTS

[01/10/2019 – 01/09/2021]

Advanced driver assistance system for precise manoeuvres of non-articulated and articulated city buses *P*

osition: Research assistant, system developer

Released by: Poznań University of Technology, Solaris Bus & Coach sp. z o.o.

Project financed under the Regional Science and Research Agendas program by the National Center for Research and Development

POIR 04.01.02-00-0081/17

Co-financed by the European Regional Development Fund: 3 848 181 PLN

[01/10/2022 – Current]

AgriFoodTEF, Test and Experiment Facilities for the Agri-Food AI Domain *Position: Chief specialist, plant detection and autonomous farm robot development*

Released by: Sieć Badawcza Łukasiewicz - Poznań Institute of Technology

Funding from the European Union's Digital Europe Programme under grant agreement No. 101100622

Project budget: 2 395730 EUR

Development of intelligent swarm technology as reconfigurable drones and for photovoltaic farm inspection and drone shows *Position: Chief specialist, Team lead, Development of autonomous drone swarm system*

Released by: "ROGOŻ" Sp. z o, Polsko-Japońska Akademia Technik Komputerowych

Project financed under the Smart Growth Operational Program by the European Regional Development Fund

POIR.04.01.04-00-0078/20

Project budget: 12 566 671,28

[01/10/2022 – Current]

ICOS Towards a functional continuum operating system Position: Chief specialist, Autonomous farm robot development, predictive maintenance system

Released by: Sieć Badawcza Łukasiewicz - Poznań Institute of Technology

Funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101070177

Project budget: 300 625 EUR

[01/01/2023 – 31/12/2023]

Development of advanced technology of autonomous drone swarms for digital security of critical infrastructure, ad hoc inspection applications Position: Product manager, Swarm management and monitoring software

Released by: "ROGOŻ" Sp. z o, Warsaw University of Technology

POIR.01.01.01-00-0040/22

Project budget: 14 349 134,00 PLN

VOLUNTEERING

[30/04/2016 – 14/07/2016] AIESEC organization, Poznan, Poland, Summer

Cultural exchange program (WorldTalks and KidSpeak)

[30/07/2019 – 30/08/2019] Ankizy Gasy foundation , Madagascar

Educational project, Providing English language and creativity classes for student

LANGUAGE SKILLS

Mother tongue(s): Persian

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Polish

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

[09/06/2012] RoboCup, Mexico City, Mexico

Best in class manipulation (1st place) Real rescue robot

[12/03/2016] Damavand Azad University

Distinguished researcher of the year

[27/03/2015] IranOpen RoboCup Competitions

Best in class manipulation (1st place) Real rescue robot Awarded for 3 years (2012, 2014, 2015)

[27/03/2015] IranOpen RoboCup Competitions

Best in class innovation (1st place) Real rescue robot

[14/10/2014] Khayam Robotic Competitions , Iran

1st Place - Real rescue robot league

[14/04/2013] Roboland Robotic Competitions , Iran

2nd Place - Real rescue robot league

CONFERENCES AND SEMINARS

[28/11/2023 – 29/11/2023] Poznan

Potential of implementing operational meta systems in agriculture using the ICOS project

Link: <https://www.rol-eko.com/>

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B1

Driving Licence: B

HOBBIES AND INTERESTS

Visual Arts Photography, Videography and create visual content

Web Design WordPress developer

Extreme Sports Rock Climbing, Highlining, Unicycling