

World Academy of Autonomous Driving Sciences

Gyula Mester*. Janos Santa**

*University of Szeged, Faculty of Engineering, Szeged
Hungary (Tel: +36302604051; dmestergyula@gmail.com, Orcid ID: 0000-0001-7796-2820).

**Imerys, Hódmezővásárhely, Hungary (santajanus@yahoo.com, Orcid ID: 0009-0002-3014-8295)

Abstract: In this paper we presented the membership list of the World Academy of Autonomous Driving Sciences, WAADS. The World Academy of Autonomous Driving Sciences, WAADS, investigates the challenges and future directions in developing robust and reliable Artificial Intelligence for fully autonomous vehicles. Artificial intelligence is fundamental to the advancement of autonomous driving systems. Headquarter is at: Hungarian Academy of Engineering, Budapest, Hungary. The URL of the WAADS academy is: <https://worldacademyofautonomoussdrivingsciences.org/>.

1. INTRODUCTION

Artificial intelligence is fundamental to the advancement of autonomous driving systems. This research explores the core Artificial Intelligence technologies, including machine learning and computer vision, that enable vehicles to perceive their environment, make decisions and navigate safely.

The World Academy of Autonomous Driving Sciences, WAADS, investigates the challenges and future directions in developing robust and reliable Artificial Intelligence for fully autonomous vehicles, Ugljesa et al, 2024. Headquarter is at: Hungarian Academy of Engineering, Budapest, Hungary. The URL of the WAADS academy is:

<https://worldacademyofautonomoussdrivingsciences.org/>

2. MEMBERS OF THE WORLD ACADEMY OF AUTONOMOUS DRIVING SCIENCES

The members of World Academy of Autonomous Driving Sciences are as follows:

The **founder and president** of the WAADS Academy:
Gyula Mester



Professor, University of Szeged, Hungary.

Orcid ID: 0000-0001-7796-2820.

Member of the:

Hungarian Academy of Engineering, HAE.

Bosnian-Herzegovinian American Academy of Arts and Sciences, BHAAAS.

American Romanian Academy of

Arts and Sciences, ARA, Dalma, Gyula 2023.

The New York Academy of Sciences, NYAS.

World Academy of Science, Engineering and Technology, WASET.

World Academy of Research in Science and Engineering, WARSE. Gyula, Jelena 2021, Jelena, Gyula 2020.

World Academy of Autonomous Driving Sciences, WAADS.
Academy of Engineering Sciences of Serbia, AESS.
Vojvodina Academy of Sciences and Arts, VASA.

Hungarian Academy of Sciences, HAS, public body member,
European Research Group of Artificial Intelligence,
EURGAI, Autonomous Driving Research Group, ADRG.

The Secretary General and Public Body Member of the
World Academy of Autonomous Driving Sciences, WAADS:

Janos Santa



Researcher, Szeged, Hungary.

Orcid ID: 0009-0002-3014-8295.

Member of the: World Academy of Autonomous Driving Sciences, WAADS. European Research Group of Artificial Intelligence, EURGAI, Autonomous Driving Research Group, ADRG.

Janos Santa 2025a, b, c.

Members:

Zlatan Aksamija



Associate Professor,
University of Illinois, University of Massachusetts Amherst, University of Utah, USA, University of the West of England.

University of Sarajevo, Bosnia-Herzegovina.

Orcid ID: 0000-0001-9085-9641.

President of Bosnian-Herzegovinian American Academy of Arts and Sciences, BHAAAS.

World Academy of Autonomous Driving Sciences.

European Research Group of Artificial Intelligence, EURGAI. Autonomous Driving Research Group, ADRG.



CAETS

„XX. IFFK 2026” Budapest

Online: ISBN 978-615-82688-1-3

Paper 8

Copyright 2026. Budapest, MMA.

Editor: Dr. Péter Tamás

Jianbing Shen



Professor, University of Macau, China.
Head of Centre for Artificial Intelligence and Robotics.
Orcid ID: 0000-0002-4343-623X.
World Academy of Autonomous Driving Sciences.

Dániel Tokody



Researcher, Óbuda University, Budapest, Hungary.
Orcid ID: 0000-0002-9984-0434.
World Academy of Autonomous Driving Sciences.
European Research Group of Artificial Intelligence, EURGAI.
Autonomous Driving Research Group, ADRG.

Shai Shalev-Shwartz



Professor, The Hebrew University, Israel.
Orcid ID: 0000-0002-4893-2910.
World Academy of Autonomous Driving Sciences.

Boris Dumnic



Profesor, University of Novi Sad, Serbia.
Orcid ID: 0000-0002-1846-1986.
World Academy of Autonomous Driving Sciences.
European Research Group of Artificial Intelligence, EURGAI.
Autonomous Driving Research Group, ADRG.

Jay Xiao



CEO of Tensor, Researcher, USA, World Academy of Autonomous Driving Sciences.
Orcid ID: -

Jelena Pisarov



Researcher, University of Novi Sad, Serbia.
Orcid ID: 0000-0003-2757-9780.
World Academy of Autonomous Driving Sciences.
European Research Group of Artificial Intelligence, EURGAI.
Autonomous Driving Research Group, ADRG.

Predrag Dasic



Orcid ID: 0000-0002-9242-274X.
Academician, Serbia.
Engineering Academy of Serbia, EAS.
University of Salerno, Georgian Technical University, World Academy of Autonomous Driving Sciences, WAADS. Russian Academy of Natural Sciences.
Russian Academy of Engineering,

RAE. Ukrainian Technological Academy, UTA. National Academy of Sciences of Higher Education of Ukraine, NAS-HEU. Ukrainian Academy of Engineering Sciences, (UAES). New York Academy of Sciences, NYAS. World Academy of Science, Engineering and Technology, WASET. Georgian Engineering Academy, GEA. World Academy of Research in Science and Engineering, WARSE.
European Research Group of Artificial Intelligence, EURGAI.
Autonomous Driving Research Group, ADRG.

Josip Stepanic



Full Professor, University of Zagreb, Croatia.
Orcid ID: 0000-0003-0674-9883
World Academy of Autonomous Driving Sciences, WAADS.
European Research Group of Artificial Intelligence, EURGAI.
Gyula Aleksandar, 2009, 2012, 2013 a, b.



Sergiy Kovalevskyy
Professor, State Engineering Academy, Ukraina.
Orcid ID: 0000-0002-4708-4091.
World Academy of Autonomous Driving Sciences, WAADS.
European Research Group of Artificial Intelligence, EURGAI.
Autonomous Driving Research Group, ADRG.

Dalma Zilahy



Researcher, Óbuda University,
Budapest, Hungary.
Orcid ID: 0000-0001-9614-5498.
World Academy of Autonomous
Driving Sciences.
European Research Group of
Artificial Intelligence, EURGAI.
Autonomous Driving Research
Group, ADRG. Dalma, Gyula
2023.

Berek László



Researcher, Óbuda University,
Budapest, Hungary.
Orcid ID: 0000-0002-4126-1528.
World Academy of Autonomous
Driving Sciences.
European Research Group of
Artificial Intelligence, EURGAI.
Autonomous Driving Research
Group, ADRG.

Cesar Bautista



Researcher, Óbuda University,
Budapest, Hungary.
Orcid ID: 0000-0002-1906-6961.
World Academy of Autonomous
Driving Sciences.
European Research Group of
Artificial Intelligence, EURGAI.
Autonomous Driving Research
Group, ADRG. César, Gyula
2023. Attila at al, 2018, Gyula
2016, 2014, 2009, 2006 a b, 1994. Stepanic et al 2013.

3. CONCLUSIONS

The paper we presented the membership list of the World Academy of Autonomous Driving Sciences, WAADS. The World Academy of Autonomous Driving Sciences, WAADS, investigates the challenges and future directions in developing robust and reliable Artificial Intelligence for fully autonomous vehicles. Artificial intelligence is fundamental to the advancement of autonomous driving systems. Headquarter is at: Hungarian Academy of Engineering, Budapest, Hungary.

REFERENCES

Ugljesa Marjanovic, Gyula Mester, Bojana Milic Marjanovic, (2024). Assessing the Success of Artificial Intelligence Tools: An Evaluation of CHATGPT Using the Information System Success Model, *Interdisciplinary Description of Complex Systems: Indecs*, Vol. 22, Issue 3,

pp. 266-275.

César Bautista, Gyula Mester (2023). Internet of Things in Self-Driving Cars Environment, *Interdisciplinary Description of Complex Systems, Indecs*, DOI: 10.7906/indecs.21.2.8, ISSN 1334-4684, Vol. 21, Issue 2, pp. 188-198.

Dalma Zilahy, Gyula Mester (2023). Managing Negative Emotions Caused by Self-Driving, *Interdisciplinary Description of Complex Systems, Indecs*, DOI: 10.7906/indecs.21.4.4, ISSN 1334-4684, Vol. 21, Issue 4, pp. 351-355.

Jelena L. Pisarov, Gyula Mester (2022), Self-Driving Robotic Cars: Cyber Security Developments, Research Anthology on Cross-Disciplinary Designs and Applications of Automation, IGI Global Scientific Publishing, chapter 48, DOI: 10.4018/978-1-6684-3694-3.ch048, pp. 969-1001.

Gyula Mester, Jelena Pisarov (2021). Digitalization in Modern Transport of Passengers and Freight, *Review of the National Center for Digitization*, publisher: Faculty of Mathematics, University of Belgrade, Issue: 39, ISSN: 1820-0109, pp. 83-89.

Jelena Pisarov, Gyula Mester (16-19.02.2020), Rang lista fizičara Srbije, Proceedings of the XXVI Skup Trendovi razvoja: Inovacije u modernom obrazovanju, TREND 2020, Kopaonik, Serbia, pp. 559-562.

Attila Nemes, Gyula Mester, Tibor Mester (2018), A Soft Computing Method for Efficient Modelling of Smart Cities Noise Pollution, *Interdisciplinary Description of Complex Systems, Indecs*, ISSN 1334-4684, DOI: 10.7906/indecs.16.3.1, Vol.16, Issue 3-A, pp.302-312.

Gyula Mester, 2016. Rankings Scientists, Journals and Countries Using h-index, *Interdisciplinary Description of Complex Systems, Indecs*, Vol 14, Issue 1, pp. 1-9.

Gyula Mester (2014). Új tudományos eredmények mérése, XXX Kandó Conference, Budapest, Hungary, ISBN 978-615-5460-24-1, pp. 1-10.

Stepanić Josip, Mester Gyula, Kasać Josip (2013). Synthetic Inertial Navigation Systems: Case Study of Determining Direction, Zbornik 57. konferencije ETRAN, Zlatibor, pp. RO2.7.1-RO2.7.3.

Aleksandar Rodic, Gyula Mester (2013). Sensor-based Navigation and Integrated Control of Ambient Intelligent Wheeled Robots with Tire-ground Interaction Uncertainties, *Acta Polytechnica Hungarica*, ISSN 1785-8860, DOI: 10.12700/APH.10.03.2013.3.9, Vol.10, Issue 3, pp. 113-133.

Gyula Mester, Aleksandar Rodic (2013/10). Simulation of Quad-rotor Flight Dynamics for the Analysis of Control, Spatial Navigation and Obstacle Avoidance, Proceedings of the 3rd International Workshop on Advanced Computational Intelligence and Intelligent Informatics, IWACIII 2013, pp.1-4.

2013, pp. 1-4.



CAETS

„XX. IFFK 2026” Budapest

Online: ISBN 978-615-82688-1-3

Paper 8

Copyright 2026. Budapest, MMA.

Editor: Dr. Péter Tamás

- Gyula Mester, Aleksandar Rodic (2012.03.01-03). Navigation of an Autonomous Outdoor Quadrotor Helicopter, Proceedings of the 2nd International Conference on Internet Society Technology and Management ICIST, ISBN: 978-86-85525-10-0, pp. 259-262.
- Gyula Mester, Aleksandar Rodić (2009). Autonomous Locomotion of Humanoid Robots in Presence of Mobile and Immobile Obstacles: Trajectory Prediction, Path Planning, Control and Simulation, in Book: *Towards Intelligent Engineering and Information Technology*, Vol. 243, Springer Berlin, Heidelberg, ISBN 978-3-642-03736-8, DOI: 10.1007/978-3-642-03737-5_20, pp. 279-293.
- Gyula Mester (September 25-26, 2009). Wireless Sensor-based Control of Mobile Robots Motion, Proceedings of the 7th International Symposium on Intelligent Systems and Informatics, SISY 2009, pp. 81-84, ISBN: 978-1-4244-5349-8, DOI10.1109/SISY.2009.52911190, Subotica, Serbia.
- Gyula Mester (2009). Intelligent Mobile Robot Control in Unknown Environments, in Book: J.A. Tenreiro Machado, B. Pátkai, I.J. Rudas (Eds.), *Intelligent Engineering Systems and Computational Cybernetics, Part I Intelligent Robotics*, ISBN 978-1-4020-8677-9, DOI 10.1007/978-1-4020-8678-6_2, Springer, Dordrecht, pp. 15-26.
- Aleksandar Rodic, Dusko Katic, Gyula Mester (2009). Ambient Intelligent Robot-Sensor Networks for Environmental Surveillance and Remote Sensing, Proceedings of the 7th International Symposium on Intelligent Systems and Informatics, SISY 2009, ISBN: 978-1-4244-5349-8, publisher IEEE, Subotica, Serbia, pp. 39-44.
- Gyula Mester (06-10.03.2006). Introduction to Control of Mobile Robots, Proceedings of the conference YUINFO 2006, edit. Ivkovic Miodrag, Information Society of Serbia, ISBN 86-85525-01-2, Kopaonik, Serbia Montenegro, pp. 1-4.
- Gyula Mester (01-02.04.2006). Distance Learning in Robotics, Proceedings of the Third International Conference on Informatics, Educational Technology and New Media in Education, ISBN 86-83097-51-X, Sombor, Serbia and Montenegro, pp. 239-245.
- Gyula Mester (September 5-9, 1994). Adaptive Force and Position Control of Rigid-link Flexible-joint SCARA Robots, Proceedings of the IECON'94-20th Annual Conference of IEEE Industrial Electronics, Control and Instrumentation, Vol. 3, publisher IEEE, ISBN:0-7803-1328-3, DOI:10.1109/IECON.1994.398059, University of Bologna, Bologna, Italy pp.1639-1644.
- Janos Santa (2025.03.12). Analyses of Investment Projects Efficiency Using Artificial Intelligence, Proceedings of the *Conference XXXI skup Trendovi Razvoja*, Zbornik radova, University of Novi Sad Faculty of Technical Science, pp. 302-305.
- Janos Santa (2025) Magyarország egyetemei a 2025-ös Shanghai egyetemi világranglistán, pp. 1-5, Research Gate.
- Janos Santa (2025), Magyarországi egyetemek a Times Higher Education egyetemi világranglistán, pp. 1-7, Research Gate.