



machines

2022 YOUNG INVESTIGATOR AWARD
WINNERS

Dear Colleagues,

We are pleased to announce that the winners of the *Machines* 2022 Young Investigator Award are Dr. Fernando José Figueiredo Bento, Dr. Goshtasp Cheraghian and Dr. Roman Mykhailyshyn.

Dr. Fernando Bento is a PhD Researcher at CISE—Electromechatronic Systems Research Centre, and is also an Invited Assistant Professor at the Department of Electromechanical Engineering, University of Beira Interior. He has co-authored 1 book chapter, published 9 articles in high impact factor journals, and delivered 19 communications in highly renowned conference proceedings. His scientific research activities focus on energy efficiency analysis, fault diagnostics and fault tolerance in electronic power converters, namely DC–DC converters.

Dr. Goshtasp Cheraghian is currently a postdoctoral scientist in the Functional Nanomaterials group at the Humboldt University of Berlin and King's College, London. Dr. Cheraghian's research interests focus on polymer nanocomposites, nanotechnology for energy and environmental applications and materials characterization. He has been among the top 2% of scientists in the world for three consecutive years and the top 500 scientists in the field of energy. Dr. Cheraghian has also published over 80 research papers (citation>2700, h-index: 33, i10-index: 55), 3 chapters in books, obtained 9 granted patents.

Dr. Roman Mykhailyshyn is a Visiting Scholar at the Texas Robotics, College of Natural Sciences and the Cockrell School of Engineering, The University of Texas at Austin, USA, working with Prof. Ann Majewicz Fey. From 2023, Dr. Mykhailyshyn has been an Adjunct Professor at the EPAM School of Digital Technologies, American University, Kyiv. Dr. Mykhailyshyn is an author of more than 30 articles, published in leading scholarly journals. His research focuses on robotics, grasping and manipulation, motion planning and optimization, modeling of physical systems, additive manufacturing and design of gripping devices for robots.

As awardees, each of them will receive an honorarium of CHF 1000, an offer to publish a paper free of charge before the end of August 2023 in *Machines* after peer-review and an engraved plaque.

We would like to thank all the nominators from various fields of study for their participation and all the Award Committee Members for their evaluation of the many excellent nominations.

Machines 2022 Young Investigator Evaluation Committee



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Machines Editorial Office
St. Alban-Anlage 66
CH-4052, Basel, Switzerland

machines@mdpi.com
www.mdpi.com/journal/machines