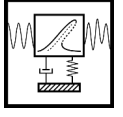
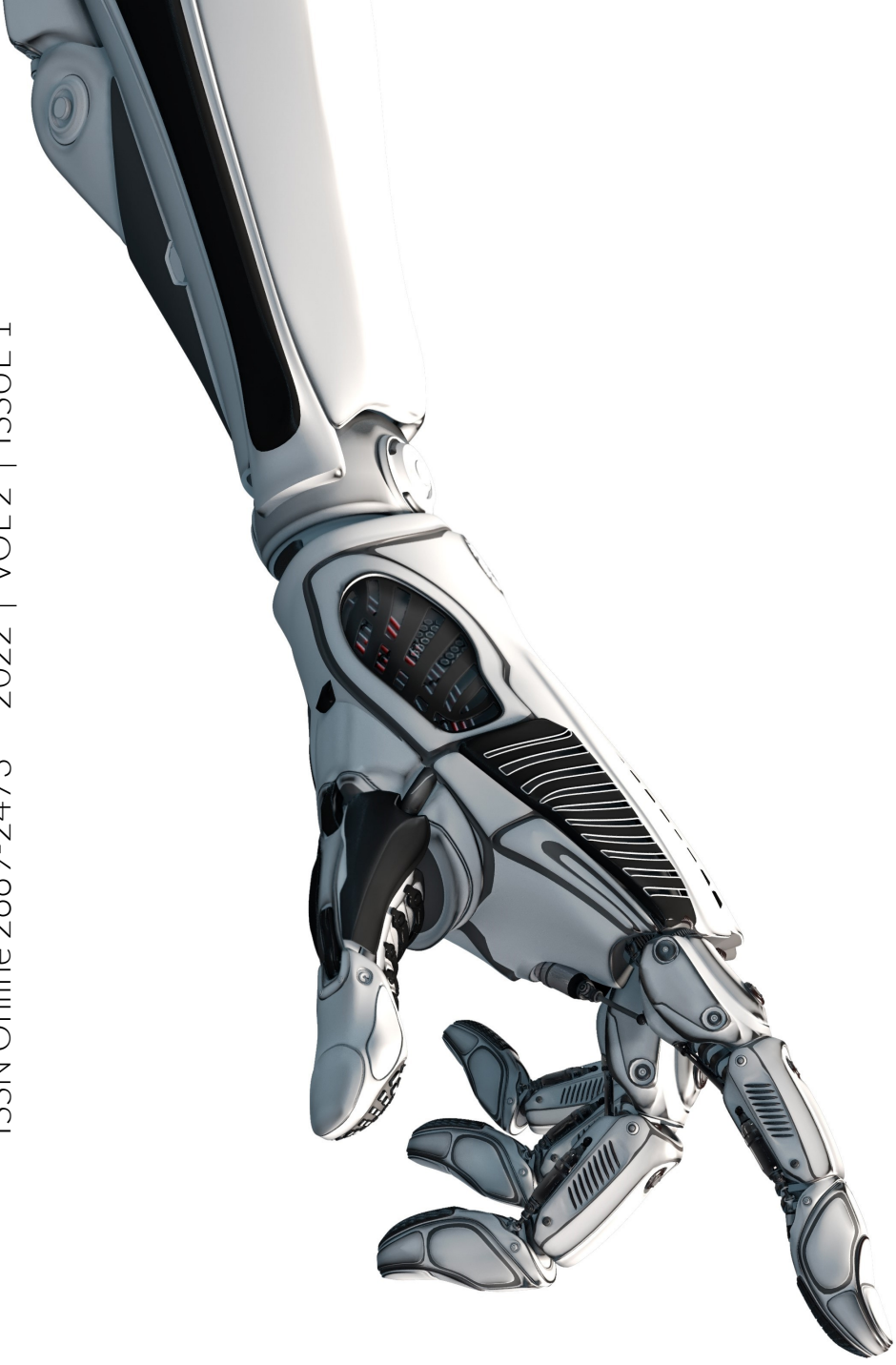


ISSN Online 2669-2473 2022 | VOL 2 | ISSUE 1

Robotic Systems & Applications



Editor in Chief

Vytautas Bučinskas

Mechatronics, Robotics and Digital Manufacturing, Vilnius
Gediminas Technical University, (Lithuania)

vytautas.bucinskas@vilniustech.lt

Editorial Board

Duarte Alves

Instituto Politécnico de Viana do Castelo, (Portugal)

duarte.alves@estg.ipv.pt

Andrius Dzedzickis

Vilnius Gediminas technical university, (Lithuania)

andrius.dzedzickis@vilniustech.lt

Modris Greitans

Institute of Electronics and Computer Science, (Latvia)

modris_greitans@edi.lv

Adam Idzkowski

Bialystok University of Technology, (Poland)

a.idzkowski@pb.edu.pl

Po Ting Lin

National Taiwan University of Science and Technology, (Taiwan)

potinglin223@gmail.com

Andrzej Milecki

Poznan University of Technology, (Poland)

andrzej.milecki@put.poznan.pl

Peter Mitrouchev

UGA University Grenoble Alpes, (France)

peter.mitrouchev@grenoble-inp.fr

Inga Morkvėnaitė-Vilkončienė

Vilnius Gediminas Technical University, (Lithuania)

inga.morkvenaite-
vilkonciene@vilniustech.lt

José Carlos Quadrado

Politécnico do Porto, (Portugal)

jcquadrado@gmail.com

Sebastian Schlund

Vienna University of Technology, (Austria)

sebastian.schlund@tuwien.ac.at

Roman Szewczyk

Warsaw University of Technology, (Poland)

roman.szewczyk@pw.edu.pl

Franz Wotawa

Graz University of Technology, (Austria)

wotawa@ist.tugraz.at

RSA Robotic Systems and Applications

Aims and Scope

RSA publishes high-quality articles concerned with fundamental and applied aspects in robotics. The Journal's scope encompasses original contributions based on analytical, computational, and experimental methods.

The list of principal topics:

- General issues in robotics
- Path planning
- Sensing and sensor fusion
- Robot application issues – equipment, computer vision, machine learning
- Robot integration into the greater system
- Common robot operation-lines
- Flocks and arrays
- Robot-human interaction
- Mathematical methods in robotics
- Microrobotics
- Robots in biomechanics
- Military and rescue robotics

All published papers are peer reviewed and crosschecked by plagiarism detection tools.

More information is available online <https://www.extrica.com/journal/rsa>

The journal material is referred:

Google Scholar: <https://scholar.google.com>

JGate: <https://jgateplus.com>

CORE: <https://core.ac.uk>

WorldCat Discovery Services: <https://www.oclc.org/en/worldcat-discovery.html>

MyScienceWork: <https://www.mysciencework.com>

Crossref: <https://search.crossref.org>

Internet: <https://www.extrica.com>

E-mail: publish@extrica.com

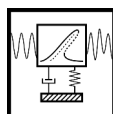
Publisher: JVE International Ltd., Geliu ratas 15A, LT-50282, Kaunas, Lithuania

RSA Robotic Systems and Applications

JUNE 2022. VOLUME 2, ISSUE 1, PAGES (1-28), ISSN ONLINE 2669-2473

Contents

ROBOTIC MICROMANIPULATION: B) GRIPPERS FOR BIOLOGICAL OBJECTS	1
VYTAUTAS BUČINSKAS, JURGA SUBAČIŪTĖ-ŽEMAITIENĖ, ANDRIUS DZEDZICKIS, ERNESTAS ŠUTINYS, INGA MORKVĖNAITĖ-VILKONČIENĖ	
CONSTRUCTION AND BENCHMARK OF AN AUTONOMOUS TRACKED MOBILE ROBOT SYSTEM	15
VAIBHAV AHLUWALIA, JANIS ARENTS, ALY ORABY, MODRIS GREITANS	



JVE INTERNATIONAL