NEW BOOK SERIES

CALL FOR BOOK VOLUME EDITORS

Robotics, Artificial Intelligence, and the Arts

Aims

The book series on *Robotics, Artificial Intelligence and Arts* offers a multidisciplinary exploration, integration and fusion as it transforms our education, work and life. This book series seeks to explore the scientific, technical, philosophical, practical, and aesthetic implications of those areas, which are about to converge into the synergies between the digital and physical domains. By drawing from fields as diverse as computer science, engineering, robotics, design, philosophy, and art theory, the book series highlights both the potential and the challenges of machine-enhanced technologies, influencing readers to consider the implications of human-robot collaboration, and the arts of Robotics and AI and life. With contributions from leading scientists, technologists, and artists, this series will serve as a comprehensive resource for getting a glimpse of the future of creativity and the human society.

Target Readership

The book series is aimed to engage scholars, engineers, artists, and general readers fascinated by the future of society. The comprehensive analysis and engaging elements of the proposed book series render it appropriate for both academic and general audiences, while its multidisciplinary approach will appeal to readers from many backgrounds, including, but not limited to:

- Academics and Researchers
- Scientists, Engineers, and Technologists
- Students and Educators
- Artists and Creatives
- Philosophers and Ethicists
- Policy Makers

Key Features

Robotics, Artificial Intelligence, and Arts provides an in-depth examination of the ways in which the domains of robotics, AI, and the arts are revolutionizing the social fabric and the creative domains, including visual arts, performance, and music. This book series collects the cutting-edge works that explores the intricate relationships between human and machine innovation through deep technical contributions, profound scientific inquiry, and comprehensive case studies. The series will feature contributions from experts with internationally-diverse viewpoints.

CRC Press
Taylor & Francis Group

Scope

- Social and societal robotics
- Human-robot interaction and collaboration
- Robots and art
- Creative robotics
- Robots in theatre, dance, and/or musical performance
- Robots in cultural contexts
- AI-driven robotic creativity and improvisation
- Ethics in Robots, AI, and Arts for the human society
- VR, AR, X-Reality robots
- Collaborative robots in service applications
- Affective and cognitive sciences for socially interactive robots
- Context awareness, expectation, and intention understanding
- Control architectures for social robotics
- Software frameworks for social robotics
- Teleoperation, telepresence and remote interaction
- Human augmentation, rehabilitation, and medical robots
- Interaction and collaboration among robots, humans, and environments
- Personal robots for the home
- Robots and AI applications in education, entertainment, and gaming
- Robots and AI in healthcare and welfare environments
- Social acceptance and impact in the society

Series Editors' Biographies

SHUZHI SAM GE is a Professor with the Department of Electrical and Computer Engineering, National University of Singapore (NUS), Director of NUS (Guangzhou) Research Translation and Innovation Institute, and a Fellow of SAEng, IEEE, IFAC, IET, CAA, and ACA. He received his Ph.D. from Imperial College London in 1993 and B.Sc. from the Beijing University of Aeronautics and Astronautics in 1986. He serves as President (2024–2026) of the Asian Control Association, Member of the IEEE Roger W. Brockett Control Systems Award Committee (2024–2026), and Council Member of IFAC (2023–2026). He is Senior Editor of IEEE SMC-Systems and has served or is serving as Associate Editor for top journals including IEEE TAC, Automatica, IEEE TCST, IEEE TNN, and CAAI Transactions on Intelligent Technology. At IEEE CSS, he served as Vice President for Technical Activities (2009–2010) and Membership Activities (2011–2012). He is a Top 1% Highly Cited Researcher by Clarivate Analytics (2016–2024). He has received numerous national and international awards including IEEE CSS Distinguished Member Award, the National Technology Award (Singapore), AI Singapore Grand Challenge Award, and the Inaugural Temasek Young Investigator Award. He serves as Singapore Lead of INPACE, Horizon Europe program (2024–2027). His research interests include robotics, intelligent systems, artificial intelligence, and research translation. Email: samge@nus.edu.sg

JOHN-JOHN CABIBIHAN received the Ph.D. degree in Bioengineering, with specialization in Biorobotics, from the Scuola Superiore Sant'Anna, Pisa, Italy, in 2007. Concurrent with his Ph.D. studies, he was accepted to the co-tutors PhD programme of the École Normale Supérieure Paris-Saclay, France in 2004-2005, where he worked on soft materials at the Laboratoire de Mécanique et Technologie. In 2021, he completed the Venture Creation and Finance Programmes at the University of Oxford, UK. He was an Assistant Professor at the Electrical and Computer Engineering Department, National University of Singapore (2008-2013). He is currently a Professor at the Mechanical and Industrial Engineering Department, Qatar University. He secured and managed multimillion dollar research funding in competitive grants. He is an inventor in 20 patent families and has over 200 publications. He is internationally ranked among the top 0.44% in robotics in 2025. He served/is serving as an Associate Editor of IEEE Robotics and Automation Letters, Frontiers Bioengineering and Biotechnology, and a co-Founding Assistant Editor/Editorial Board Member of the International Journal of Social Robotics. He has been actively serving the International Conference on Social Robotics community since 2009. His research interests are in rehabilitation and social robotics, biomimetics, additive manufacturing, and emergent materials. His works were featured by Nature Materials, MIT Technology Review, BBC, Popular Science, New Scientist. Email: john.cabibihan@qu.edu.qa

For more information, please contact:

Nora Konopka, *Global Editorial Director – Engineering*
Taylor & Francis / CRC Press, 2385 Executive Center Dr.; STE. 320, Boca Raton, Florida 33431
Mobile: 561-843-8397 • Email: nora.konopka@taylorandfrancis.com