



Preface

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Robotics and artificial life are entering a transformative era in which morphology, behavior, and strategic decision-making coevolve within autonomous systems. Moving beyond fixed designs and predetermined control architectures, emerging approaches now embrace evolutionary processes that allow agents to adapt their bodies, refine their strategies, and evolve through continuous interaction with dynamic environments.

At the core of this shift lies the recognition that strategy is not merely a control policy but an evolving property shaped by competition, cooperation, and environmental pressures. Integrating evolutionary game theory, multi-agent systems, and embodied intelligence reveals how robots can acquire context-sensitive behaviors that mirror the adaptive richness of natural organisms.

Equally significant is the understanding that morphology and strategy evolve together. Changes in body structure shape the space of possible behaviors, while emerging strategies create selective pressures that drive morphological innovation. This coevolutionary perspective opens new pathways for designing autonomous systems capable of resilience, open-ended adaptation, and self-directed improvement.

This journal brings together contributions ranging from simulations of evolving robot collectives to theoretical models of strategic adaptation and experimental platforms that blur the boundary between machine and organism. Together, these works illuminate the principles that may guide the next generation of autonomous systems—systems that are not merely engineered but grown, not simply programmed but evolved.

The editorial board extends its sincere appreciation to the authors for their valuable contributions, to the reviewers for their careful and constructive evaluations, and to all individuals whose efforts support the publication of this journal. As the fields of artificial life and robotics continue to expand, we remain committed to upholding the journal's role as a respected venue for scholarly exchange and scientific advancement.

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