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Animal–Computer Interaction: New Horizons in Animal Welfare

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Deadline for manuscript submissions:

closed (25 September 2025)

Message from the Guest Editors

Dear Colleagues,

Improving animal welfare through animal-centered technologies, designed from the perspective and for the benefit of animals, is a fundamental aim for the field of animal–computer interaction. Particularly with the rise of technologies such as artificial intelligence and the internet of things, technological interventions have the potential to radically transform welfare provisioning by: monitoring and processing objectively behavioural and physiological data to improve our understanding of the immediate and long-term psychological and physical needs of animals; providing dynamic settings and opportunities for animals to fulfill their species-specific behavioral and cognitive needs, as well as biologically appropriate levels of control over their environment and activities.

For this Special Issue, we invite contributions that exemplify how an animal-centered perspective on the design of computing technologies may inform novel approaches for improving the welfare of animals in different contexts. We also invite contributions that discuss what limitations such approaches might suffer from, what risks they might pose and how these might be addressed.



mdpi.com/si/174045

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

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