Proceedings of the
2023 AIIDE Workshop on
Experimental AI in Games

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Edited by

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Overview

This proceedings contains papers from the 10th Experimental AI in Games (EXAG) Workshop hosted at the 2023 AAAI Conference on AI and Interactive Digital Entertainment (AIIDE). More information about the workshop is provided below. Thank you to the AIIDE 2023 conference organizers, workshop organizers, and program committee members.

About EXAG

The Experimental AI in Games Workshop is interested in innovative applications of AI that present interesting ideas for developers, critics, players, and designers in all aspects of games and game development. These applications may include new systems made possible by AI, traditional AI techniques applied in new ways, and AI in support of mixed-initiative or co-creative play experiences.

This was the 10th EXAG workshop to be held at the AIIDE conference. We offered three submission tracks: regular papers, short papers, and lightning talks (extended abstracts). The short paper track replaced last year's demo track. The Lighting talk track was something new we added to encourage conversation and an informal sharing of ideas. Below are our total number of submissions and number of accepted submissions.

Track	Total Submissions	Accepted Submissions
Regular Papers	18	11
Short Papers	10	5

Topics for this year included: settlement simulation, music generation, interactive narrative, level generation, MCTS, generative AI, character simulation, procedural content generation, and reinforcement learning.

Workshop Organizers

- Abdelrahman Madkour – Northeastern University
- Jasmine Otto – University of California Santa Cruz
- Lucas N. Ferreira – University of Alberta
- Shi Johnson-Bey – University of California Santa Cruz

Program Committee

- Matthew Barthet – Institute of Digital Games, University of Malta
- Morteza Behrooz – Worcester Polytechnic Institute
- Colon Biemer – Northeastern University
- Vadim Bulitko – University of Alberta
- Sara Cardinale – Queen Mary University of London
- M Charity – New York University
- Seth Cooper – Northwestern University
- Sam Earle – New York University
- Sean Guillory – Booz Allen Hamilton
- Matthew Guzdial – University of Alberta
- Emily Halina – University of Alberta
- Ian Horswill – Northwestern University
- Ahmed Khalifa – University of Malta
- Max Kreminski – Santa Clara University
- Sylvain Lapeyrade – Paul Sabatier University
- Nathan Partlan – Northeastern University
- Johannes Pfau – University of California Santa Cruz
- Ben Samuel – University of New Orleans
- Akash Saravanan – University of Alberta
- Laurissa Tokarchuk – Queen Mary University of London
- Jim Whitehead – University of California Santa Cruz
- Oliver Withington – Queen Mary University of London
- Richard Zhao – University of Calgary
- Alexander Zook – Blizzard Entertainment