

AAAI-22 is pleased to announce the winners of the following awards:

AAAI-22 OUTSTANDING PAPER AWARDS

These papers exemplify the highest standards in technical contribution and exposition.

AAAI-22 Outstanding Paper Award

Online certification of preference-based fairness for personalized recommender systems

Virginie Do, Sam Corbett-Davies, Jamal Atif, Nicolas Usunier

Honorable Mention:

Bayesian Persuasion in Sequential Decision-Making

Jiarui Gan, Rupak Majumdar, Goran Radanovic, Adish Singla

Honorable Mention:

Operator-Potential Heuristics for Symbolic Search

Daniel Fišer, Alvaro Torralba, Joerg Hoffmann

AAAI DISTINGUISHED PAPERS

In 2021, an additional category of Distinguished Papers was added for special recognition.

AAAI-22 Distinguished Papers

AlphaHoldem: High-Performance Artificial Intelligence for Heads-Up No-Limit Poker via End-to-End Reinforcement Learning

Enmin Zhao, Renye Yan, Jinqiu Li, Kai Li, Junliang Xing

Certified Symmetry and Dominance Breaking for Combinatorial Optimisation

Bart Bogaerts, Stephan Gocht, Ciaran McCreesh, Jakob Nordström

Online Elicitation of Necessarily Optimal Matchings

Jannik Peters

Sampling-Based Robust Control of Autonomous Systems with Non-Gaussian Noise

Thom S. Badings, Alessandro Abate, Nils Jansen, David Parker, Hasan A. Poonawala, Marielle Stoelinga

Subset approximation of Pareto Regions with Bi-objective A*

Jorge A. Baier, Carlos Hernández, Nicolás Rivera

The SoftCumulative Constraint with Quadratic Penalty
Yanick Ouellet, Claude-Guy Quimper

AAAI OUTSTANDING STUDENT PAPERS

In 2022, an additional category of Distinguished Papers was added for special recognition.

Outstanding Student Paper

InfoLM: A New Metric to Evaluate Summarization & Data2Text Generation
Pierre Colombo, Chloé Clavel, Pablo Piantanida

Honorable Mention:

Compilation of Aggregates in ASP Systems
Giuseppe Mazzotta, Francesco Ricca, Carmine Dodaro

Honorable Mention:

Entropy estimation via normalizing flow
Ziqiao Ao, Jinglai Li

Student Abstract Program Awards

Best Student Abstract

Annotation Cost-Sensitive Deep Active Learning with Limited Data
Renaud Bernatchez, Audrey Durand and Flavie Lavoie-Cardinal

Honorable Mention

On the Relation between Distributionally Robust Optimization and Data Curation
Agnieszka Słowik and Leon Bottou

2022 Best Demonstration Award

A Demonstration of Compositional, Hierarchical Interactive Task Learning
Aaron Mininger, John Laird