UCC/BDCAT'23 Call for Artifacts

Overview

As reproducibility and availability of artifacts -or lack thereof- affect the impact and visibility of a paper, computer science conferences are putting in place artifact evaluation tracks.

An artifact of a paper is an element that extends beyond the document itself, this can be software, datasets, environment configuration, workflow definition, hardware, benchmarks, scripts to run experiments.

Based on the success and experience of artifact evaluation for similar conferences, this year UCC/BDCAT 2023 will evaluate artifacts in a more standardized way than previous years. In particular, the process will be single-blinded, it will use a special track using Microsoft CMT and a timeline will need to be respected by both the authors and the evaluation committee.

Although the artifacts will be evaluated after acceptance notification, we encourage all interested authors to prepare and register artifacts well in advance.

Artifact Evaluation Organization and Evaluation

The goal of the artifact evaluation track is to award badges to accepted papers. These badges will be based on the NISO Reproducibility Badging and Definitions Standard and the ACM Reproducibility Standard.

The badges available are (in an incremental inclusive order) Artifacts Available, Artifacts Evaluated-Functional and Results Replicated. Authors should choose the desired badge based on the maturity and expected reproducibility of their work.

All papers submitted to UCC/BDCAT 2023 are **encouraged** to submit an Artifact Description using a form (to be provided). For evaluating the reproducibility of the experiments, a complete description of the experiment workflow will be asked, together with an estimation of the execution time and a description of the expected results.

The Artifact Description documentation should include version-controlled software and data repositories such as Zenodo, FigShare, Dryad, GitHub, GitLab. Authors should consider providing the most suitable packaging for the paper's artifact, this could be: source code, container/VM, binary installer, live web deployment, access to special hardware or cloud services (with security precautions concerning access by the reviewer).

A single-blinded evaluation will be done, and the committee will validate and evaluate the completion of the form as well as the artifact accessibility.

Important Dates
- Artifact abstract registration deadline: September 30, 2023
- (paper) Acceptance notification to paper authors: October 21, 2023
- (paper) Camera-ready deadline: October 31, 2023
- Artifact submission deadline: November 3, 2023
- Response period: November 17, 2023 – November 22, 2023
- Artifact decisions announcement: November 30, 2023
- Badges visible on published paper records in ACM DL: around December 2023

Reproducibility Committee Co-Chairs

Pamela Delgado, University of Applied Sciences Western Switzerland (HES-SO)

Josef Spillner, Zurich University of Applied Sciences, Switzerland (ZHAW)