

VNN-COMP 2022 Call for Tool Participants

The 3rd Verification of Neural Networks Competition ([VNN-COMP](#)) is being held along with the 5th Workshop on Formal Methods for ML-Enabled Autonomous Systems ([FoMLAS](#)) at the International Conference on Computer-Aided Verification ([CAV](#)) July/August 2022.

VNN-COMP'22 Website: <https://sites.google.com/view/vnn2022>

Registration: We ask that you indicate your interest by **March 18, 2022** if you are potentially interested to participate with a tool. The registration form is here: <https://forms.gle/RbGbKvfn7bvTR1M9>

Prizes: We plan to have cash prizes (over \$1000 total) for tools that perform especially well. We are also planning to run benchmarks on common cloud hardware to facilitate fair comparisons, as done in the last iteration.

Participation: Participation will be done remotely in advance of the workshop, with summary results presented at the workshop. Attendance at the workshop by VNN-COMP participants will not be required, but of course you would be welcome to attend. Coordination mechanisms are open to discussion, but likely would be facilitated via Git repositories and issues for discussions, as in the previous iterations: <https://github.com/stanleybak/vnncomp2022>

Important Dates (Tentative):

March 18, 2022: initial participants identified, begin identification/proposal of benchmarks, categories, etc.

April 15, 2022: finalize categories, participants in categories, etc.

May 2, 2022: finalize benchmarks in categories, distribute benchmarks to all category participants, etc.

June 30, 2022: finalize benchmark results, reports and repeatability evaluation

July 31 / August 1, 2022: workshop, presentation of VNN-COMP results and report

Thank you for your consideration, and we hope you will participate. Please let us know of any questions, if you would like to discuss before making a decision, or any suggestions you may have for the organization of this initiative, as we believe it will be most successful if driven actively by the community.

Best regards,

Stanley Bak, Changliu Liu, Taylor T. Johnson