Special Call: GPU Testing and Benchmarking

*as a part of the IT4Innovations 24th Open Access Call*

NOTICE! Delete all text in grey.

### To be submitted before: 2021-10-21 23:59:00

### Name of the project:

### Number of node hours requested: Only Karolina supercomputer GPU nodes (8 GPUs per node).

## Name and surname of primary investigator:

## Affiliation of primary investigator:

## e-mail:

## Names and surnames of other investigators: Comma separated list.

## Affiliations of other investigators: Comma separated list.

## e-mails: Comma separated list.

## Research area: e.g. Artificial intelligence, Bioinformatics, Chemistry, Engineering, Physics.

**Popular abstract:**

Include a popular abstract in a form which is immediately available for publication on the website or in newspapers etc., outlining the related research, the methods to be used, and the expected impact, in language appropriate for the general public.

Be concise; **do not exceed 1500 characters** in abstract.

**Technical readiness and computational resources justification:**

**Technical readiness:**

Describe your experience with GPU accelerated systems. List the computational methods and software tools and libraries that you will use and describe their suitability and current limitations to efficiently utilize GPU accelerated systems (if possible, provide related references and data for your application’s performance).

Please specify also if you plan to use multi-GPU or multi-node computing.

**Computational resources justification:**

Justify the requested computational resources. Provide the basis on which the requested resources were estimated.

Do not exceed the **maximum document size of 2 pages**.

**References:**

Include all references here. Do not exceed the **maximum document size of 2 pages**.