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☑ What is DIG-UM and how does it shape the advancement of AI in basic research

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In 2020, the German ministry of education and research launched an action plan to advance digitization in basic research. Alongside the plan a line of funding (ErUM-Data) was established to support interdisciplinary joint consortia that focus on progressing this process with concrete research projects. At the same time funding was allocated for the ErUM-Data HUB, as a networking and transfer office. DIG-UM (Digital Transformation in the Research of Universe and Matter) is the community organization for the digital transformation. Within DIG-UM all important ErUM research communities are represented and together with the different Topic Groups, DIG-UM tries to shape the measures of ErUM-Data and the ErUM-Data HUB to serve the scientific communities needs. In this talk I will give a short introduction on the organization, goals and work of DIG-UM and the topic groups with an emphasis on the Big Data Analytics group, focused on the advancement of AI in basic research. In addition I will present the benefits and achievements of having the ErUM-Data-Hub supporting the German ErUM community since its implementation.

AI keywords

Generative models; anomaly detection; big data; FPGAs; Physics informed AI

Track Classification: Other