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### 1. Aim of the Funding

We cordially invite you to participate in the Young Researcher Program, which aims to promote young international researchers in High Performance Computing (HPC) and related fields, including algorithms, data-driven techniques, and software engineering. The program seeks to achieve this goal through two primary objectives: Firstly, the program aims to foster scientific careers and advance research achievements in HPC and related fields within the context of hpc.bw (dtec.bw). Secondly, the program strives to promote international and interdisciplinary networking and exchange, as well as strengthen discipline-specific and innovative research questions and methods. In general, the Young Researcher Program aims to strengthen cross-disciplinary HPC research, with the assistance of the hpc.bw project (dtec.bw), and to promote the transfer of HPC expertise in various disciplines.

We support academic staff members from HSU/UniBw H and UniBw M (Outgoing Staff), as well as external researchers who would like to visit HSU/UniBw H or UniBw M (Incoming Staff) for a research stay.

The hpc.bw project (dtec.bw) acts as an enabler and promoter of innovative research funding, supporting the Young Researcher Program in its goals and objectives.

#### 1.a. Outgoing Staff from HSU/UniBw H & UniBw M

The Young Researcher Program seeks I.) academic staff from the HSU/UniBw H and UniBw M to undertake an international research stay or attend international training courses. Academic staff at HSU/UniBw H and UniBw M, as well as research assistants in a scientific qualification phase related to the hpc.bw (dtec.bw) project, are eligible to apply. Therefore, the program supports academic staff, research assistants, and students who seek to leverage the research opportunities of the CBRZ Cluster, foster interdisciplinary research collaborations, or identify and exploit synergies with hpc.bw (dtec.bw) regarding an international university, cluster or institute as well as international training courses resp. further training (workshops, methods seminars, etc.).

In the case of research stays, applicants have to demonstrate the importance of access to the required data, research infrastructure, field, stakeholders, etc., or that the research stay is useful for advancing research achievements in HPC and its related hpc.bw (dtec.bw) project. To obtain funding, it is necessary to submit written results in the form of (a) an article detailing the outcomes of the research stay, (b) integrate findings into teaching activities at the partner university, or (c) present them at conferences and related events through lectures, posters, or other formats. To include funding for participation on further training or courses, applicants must demonstrate participation in training courses that includes active participation (lecture, organisational function, poster contribution, etc.) and/or a certain scientific level of training, highlighting the scientific relevance for the discipline and the applicant's own career.

#### 1.b. Incoming Staff from HSU/UniBw H & UniBw M

Moreover, the Young Researcher Program enables II.) to *host international academic staff* within the hpc.bw (dtec.bw) project context at HSU/UniBw H and UniBw M. This will be achieved by providing funding for research stays. The program supports academic staff, research assistants, and students who seek to leverage the research opportunities of the CBRZ with HPC cluster HSUper and Interactive Scientific Computing Cloud (ISCC), foster interdisciplinary research collaborations, or identify and exploit synergies with hpc.bw (dtec.bw). In the case of these kind of *research stays*, applicants have to demonstrate the importance of *access to the required data, research resp. CBRZ infrastructure, field, stakeholders, etc.*, or that the research stay *is essential for advancing research achievements in HPC and its related hpc.bw (dtec.bw) project*. To obtain funding, it is necessary to submit written results in the form of (a) an article detailing the outcomes of the research stay, (b) integrate findings into teaching activities at the partner university, or (c) present them at conferences and related events through lectures, posters, or other formats.

### Outgoing Staff from HSU/UniBw H & UniBw M

#### 2.a. Funding Allocation & Financial Support

The Young Researcher Program provides financial support for the research stay or further training participation. Funding will be tied to accommodation and travel costs, as well as participation fees for congresses or training courses. The reimbursement of the accommodation allowance is oriented at the DAAD's standardized flat-rate accommodation allowances (c.f.

[https://static.daad.de/media/daad\\_de/pdfs\\_nicht\\_barrierefrei/m-ausland-studieren-forschen-lehren/daad\\_kongressreisen\\_aufenthaltszuschalen.pdf](https://static.daad.de/media/daad_de/pdfs_nicht_barrierefrei/m-ausland-studieren-forschen-lehren/daad_kongressreisen_aufenthaltszuschalen.pdf)).

A clear link must be established between the funded activities and the hpc.bw (dtec.bw) project.

However, pro rata funding or an increase in existing funds (e.g., travel grants) is permitted, provided that other available funding channels (such as travel grants for mid-level staff or Verein der Freunde und Förderer der Helmut-Schmidt-Universität/Universität der Bundeswehr Hamburg e. V. have been fully utilized. Corresponding funding from other sources must be stated in the application and cost statement for the funding. Reasons must also be provided as to why funding from other sources or by other funding bodies (e.g., internal institutional funding, DAAD, DFG) cannot be utilized. If necessary, we reserve the right to submit evidence of a rejection.

A decision on acceptance or rejection will be made based on a first-come, first-served basis. Funding is only granted as long as the corresponding budgetary funds are available.

The approval for funding is granted through a low-threshold process managed by a multi-disciplinary hpc.bw team. Funding during parental leave is permitted. The approval and release of funding are tied to the third-party funding provider (BMVg/dtec.bw).

Research stays and further training support are not available for countries listed under Section 13 (1), No. 17 of the Support and Promotion Act (SÜG).

#### 3.a. Application Form

Applications must include the following documents:

-CV

-Work programme, motivation, and duration of the stay (max. 2 pages); stays up to approx. three months are considered feasible; for longer durations, it is suggested to contact the hpc.bw team in advance to double-check the feasibility.

-Research objective: contribution to own qualification, active research performance, scientific relevance for the discipline.

-Reason for the need for funding; justification of the funding in relation to current and future significance

-Explanation why other funding or funding bodies (e.g., internal institutional funding, DAAD, DFG) cannot be utilised.

-Cost calculation (travel and accommodation costs, participation fees, etc.).

-Discipline-specific references to HPC (e.g. methodology, applications, research question, approach, etc.) and hpc.bw (e.g. transfer of research results and collaborations with other partners or institutions) (3-5 key points) as well as type and manner of project dissemination (poster, lecture, research interest, data access, etc.).

-For congress participation: Official confirmation of participation (electronic version or invoice is sufficient)

-Employer certificate or certificate of enrollment.

The above-mentioned requirements must be met in order to be fully eligible for funding.

Please send their application to the following email address:  
[info-hpc-bw@hsu-hh.de](mailto:info-hpc-bw@hsu-hh.de)

### Incoming Staff from HSU/UniBw H & UniBw M

#### 2.b. Funding Allocation & Financial Support

The funding will be tied to accommodation and travel costs. The reimbursement of the accommodation allowance shall be based on the DAAD's standardized flat-rate accommodation allowances (cf.

[https://static.daad.de/media/daad\\_de/pdfs\\_nicht\\_barrierefrei/im-ausland-studieren-forschen-lehren/daad\\_kongressreisen\\_aufenthaltszuschalen.pdf](https://static.daad.de/media/daad_de/pdfs_nicht_barrierefrei/im-ausland-studieren-forschen-lehren/daad_kongressreisen_aufenthaltszuschalen.pdf)).

A clear link must be established between the funded activities and the hpc.bw (dtec.bw) project.

A decision on acceptance or rejection will be made based on a first-come, first-served basis. Funding is only granted as long as the corresponding budgetary funds are available. The approval for funding is granted through a low-threshold process managed by a multi-disciplinary hpc.bw team. Funding during parental leave is permitted. The approval and release of funding are tied to the third-party funding provider (BMVg/dtec.bw).

Research stays and further training support are not available for countries listed under Section 13 (1), No. 17 of the Support and Promotion Act (SÜG).

#### 3.b. Application Form

Applications must include the following documents:

- CV
- Work programme, and duration of the stay (max. 2 pages); stays up to approx. three months are considered feasible; for longer durations, it is suggested to contact the hpc.bw team in advance to double-check the feasibility.
- Motivation and explanation for choice of cooperation partner (HSU/UniBw M; LoS of the cooperation partner should be included) (max. 1 page per motivation and LoS).
- Research objective: contribution to own qualification, active research performance, scientific relevance for the discipline.
- Reason for the need for funding; justification of the funding in relation to current and future significance
- Cost calculation (travel and accommodation costs, participation fees, etc.).
- Discipline-specific references to HPC (e.g. methodology, applications, research question, approach, etc.) and hpc.bw (e.g. container-based HPC computing center with HPC cluster HSUper or interactive scientific computing cloud ISCC) (3-5 key points) as well as type and manner of project dissemination (poster, lecture, research interest, data access, etc.).
- For congress participation: Official confirmation of participation (electronic version or invoice is sufficient)
- Employer certificate or certificate of enrollment.

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