

## 1. Aim

The overall aim of the DFG-CAPES Collaborative Research Initiative is to intensify the bilateral cooperation in research by providing funds for bilateral research projects in specific areas of scientific strength and collaborative potential. In a medium and long term, the execution of collaborative activities between the various bilateral projects is intended, thus allowing the formation of a few broad research networks. By these measures, we aim to promote the scientific excellence and the internationalization between the German and Brazilian scientific communities, to enhance the exchange of PhDs, Postdocs or senior researchers and to generate a scientific added value over and above what could be achieved nationally.

## 2. Description/Architecture

The bilateral research projects can be funded for two years with the possibility of renewal of two more years. The total lifespan of the DFG-CAPES Collaborative Research Initiative in each field of research should be eight years with calls for proposals every two years in order to include new bilateral projects.

Depending on the internal funding principles of DFG and CAPES, the funding of the joint research projects includes consumables and mobility (work and study missions abroad) as well as instrumentation. Staff on the German side is included in the project funding, on the Brazilian side it should be requested separately through the national programmes for scholarships. Involving early career researchers in the projects is highly recommended.

In case of a common scientific topic of the bilaterally funded research projects and the wish to form a network, a central coordinator should be determined on each side being in charge of the organisation of meetings and workshops, in order to guarantee the exchange between the projects within each area of research.

## 3. Reviewing Process/Criteria

DFG and CAPES perform a joint evaluation of the proposals within a mixed German-Brazilian Review Board. Both organisations exchanged and agreed upon the application of the internal criteria for reviewing proposals of each agency. Additional criteria for the DFG-CAPES Collaborative Research Initiative, unless mentioned differently in the text of the joint call, is a previously existing cooperation with the project partner.

DFG and CAPES decide jointly on the funding of the submitted proposals on the base of the statements of the reviewers. The reviewers vote exclusively on the base of information, which is given in the proposals. Therefore, in order to provide a valuable base for the evaluation in the interest of the proponents, the formulation of the proposals should be well defined, especially for the working plans and the description of the added value of the German-Brazilian cooperation.

## 4. Thematical Focus for the Field of Engineering

Both themes, Industry 4.0 and Advanced Digitalization, must focus on manufacturing engineering.