

# Regulations for Use of the Supercomputer Fugaku

RIKEN Center for Computational Science

Enacted on March 16, 2020

Effective as of April 1, 2020

Amended on February 4, 2021 and effective as of March 9, 2021

## Article 1. Objective

The objective of these regulations of use is to stipulate necessary rules for the use of the supercomputer Fugaku (hereinafter called Fugaku) managed and operated by the Center for Computational Science (hereinafter called R-CCS) of RIKEN according to the Act on the Promotion of Public Utilization of the Specific Advanced Large Research Facilities (Act No. 78, 1994; hereinafter called the Public Utilization Act).

## Article 2. Purposes of Use

The use of Fugaku must contribute to the development of science and technology according to the purposes of the Public Utilization Act.

## Article 3. User Qualifications

Anyone who uses or intends to use Fugaku (hereinafter called the User) is one who satisfies any of the following conditions, according to the Public Utilization Act.

- (1) One who conducts a research project selected and confirmed by the Japanese government or the Registered Institution for Facilities Use Promotion (hereinafter called the Registered Institution) stipulated in Article 8 of the Public Utilization Act.
- (2) One who has been approved by the director of R-CCS (hereinafter called the R-CCS Director) to conduct system adjustment for the stable operation of Fugaku; research and development for supporting its users; research for enhancement and support for use which contribute to a wide range of users in areas including data science and AI; activities for the expansion of its users; leading research and development for computational science; and projects and other things supporting its users by the Registered Institution.

## Article 4. Provision of Services

1. R-CCS provides the User with the services listed below, and the User can use them.
  - (1) Computational resources of Fugaku
  - (2) Software provided by R-CCS
  - (3) Support for using Fugaku
  - (4) Other services provided additionally by R-CCS
2. R-CCS may change part of or all the contents of its services whenever necessary. In case of an important change, however, it will notify the User of it.

#### **Article 5. User Registration and the Period of Use**

1. Before using Fugaku, the User shall make a designated application to R-CCS or the Registered Institution.
2. Upon receiving and confirming the application of the preceding paragraph, the R-CCS Director will issue an account for the User.
3. Upon issuing the account described in the preceding paragraph, R-CCS or the Registered Institution will notify the User of the completion of the user registration.
4. The valid period of the account will be the period determined by the R-CCS Director or the Registered Institution.
5. If any change arises in the contents of the application described in paragraph 1 of this article within the valid period of the account, the User shall report it to R-CCS or the Registered Institution.

#### **Article 6. Responsibility of the User**

1. The User must comply with these Regulations of Use in using Fugaku.
2. The User must pledge not to violate the related laws and regulations applicable for the use of Fugaku, such as the laws and regulations regarding security export control, and be liable for the use of Fugaku.
3. The User must determine the attribution of the User's achievement and related results resulting from the use of Fugaku and publicize or report them as provided for by RIKEN or the Registered Institution.
4. The User must properly manage all information and materials necessary for using Fugaku, including the User's account, make every effort to prevent any unauthorized use of Fugaku, and be liable for all activities arising from the User's account. RIKEN shall not be liable for unauthorized access to the User's account.
5. The User must not use Fugaku for any purposes other than the research project described in the User's application stipulated by the paragraph 1 of Article 5. In addition, the User must not allow any third party to use Fugaku.
6. The User must make every effort to disclose the User's data according to the data management plan described in the application form of the User's research project.
7. The User must properly use Fugaku as an IT system on the Internet. Especially, the User must not handle any illegal and harmful contents. In addition, the User must not do any act which brings security violation. Furthermore, the User must not use the network illegally.

#### **Article 7. Usage Fee**

1. For using Fugaku, the User must pay R-CCS the usage fee specified separately according to the usage classification.
2. If any expenses specified independently arise in using any facilities and equipment, such as a carry-in server room, of R-CCS, the User must pay the expenses.

## **Article 8. Restriction of Use**

1. The R-CCS Director can examine, as stipulated separately, if the User complies with these Regulations of Use. If the User is expected to interfere with the operation of Fugaku, the R-CCS Director may order the User to correct the User's method of use, and the User must follow the order.
2. If the User does not follow the order of the R-CCS Director as described in the preceding paragraph or if the User falls into any of the following conditions, the R-CCS Director may cancel the use approval for the User or terminate the use.
  - (1) The User violates any of these Regulations of Use.
  - (2) The User has lost the User's qualification for using Fugaku.
  - (3) Some false statement has been found in the User's documents submitted to R-CCS or the Registered Institution.
  - (4) The User's account has expired.
  - (5) The User has failed to pay the required usage fee.
  - (6) Whenever the R-CCS Director has judged that the User may interfere with the operation of Fugaku.
3. For the stable operation of Fugaku, R-CCS may take any of the following measures without any prior notification.
  - (1) In case it is suspected that the User's account is used by a third party, R-CCS may suspend the account.
  - (2) In case it is suspected that some process possible to exert overload on Fugaku has been executed, R-CCS may suspend or terminate the process.
  - (3) Whatever measures necessary to maintain the stable operation of Fugaku.

## **Article 9. Suspension of Fugaku Operation**

R-CCS may suspend the operation of Fugaku without prior notice to the Users if any unavoidable circumstances occur.

## **Article 10. Disclaimer**

1. RIKEN shall not be liable for any damage or loss arising from or incidental to the use of Fugaku suffered by the User or for any damage or loss inflicted by the User on a third party.
2. RIKEN shall not be liable for any damage or loss suffered by the User arising from the reduction of the User's planned usage time or for the unavailability of Fugaku as a result of the failure or malfunction of Fugaku or its accompanying facilities, equipment or devices.
3. The User must be responsible for managing any technology provided by the User which is subject to security export control. RIKEN shall not be liable for any infringement of the corresponding regulations by the User.

## **Article 11. Miscellaneous**

In addition to these Regulations of Use, the R-CCS Director separately stipulates any provisions necessary for using Fugaku.

#### **Supplementary Regulation**

1. To those who use the Fugaku evaluation environment in the trial phase when these Regulations of Use become effective, Article 2, Article 3, and Article 7 of the amended Regulations of Use are not applied, and Article 2 and Article 3 before amendment remain effective until March 31, 2021 (until the end of the transition period if such a period has been set for certain purposes, such as for data saving).