

2017 Graduate General Education (筑波大学大学院共通科目)

Computational Science Literacy

Feb. 22 and Feb. 23, 2018

Room C, Center for Computational Sciences, Univ. of Tsukuba

Computational Science is a forefront approach in science and technology solving complex problems with supercomputers. It is recognized as an indispensable approach equal to experiments and theory in many research fields. It is highly recommended for those who will be working in research of any fields to learn basic knowledge and methodology of computational sciences. In this lecture, 8 professors belonging to Center for Computational Sciences will overview researches with computational method in various fields of science. The lecture aims to provide a literacy of computational method and a comprehensive view across scientific fields through computational approaches.

(01ZZ605, 1Unit TWINS registration : Feb. 2(Fri) – Feb. 22(Thu)

Feb 22(Thu) : Room C, Center for Computational Sciences

- 10 : 10-11 : 25 Universal tree of life inferred from DNA and protein sequence data
T. Hashimoto Division of Biological Sciences, Faculty of Life and Environmental Sciences
- 13 : 45-15 : 00 Study of hadron physics with Lattice QCD
N. Ishizuka Center for Computational Sciences
- 15 : 15-16 : 30 Numerical simulation in atomic, molecular and optical physics
X.M. Tong Center for Computational Sciences
- 16 : 45-18 : 00 Numerical Weather Prediction (join Japanese class at Room A)
H. Kusaka Center for Computational Sciences

Feb 23(Fri) : Room C, Center for Computational Sciences

- 10 : 10-11 : 25 Scalable data processing in the cloud
T. Amagasa Center for Computational Sciences
- 12 : 15-13 : 30 Numerical simulations in astrophysics
K. Yoshikawa Center for Computational Sciences
- 13 : 45-15 : 00 Large scale computation in nuclear physics
K. Yabana Center for Computational Sciences
- 15 : 15-16 : 30 Numerical calculation on high performance parallel computer
D. Takahashi Center for Computational Sciences
- 16 : 45-18 : 00 Making a Report (join Japanese class at Room A)
H. Kusaka Center for Computational Sciences

Further Details: GGEC office (内線 5837)

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