At Sannomiya Station of the Port Liner railway, take a train for Kobe Airport. Get off at K Computer Mae Station (travel time: about 15 minutes). The Center is next to the station, to the south.
Educating researchers and engineers for the next generation of high-performance computing technologies

The Education Center on Computational Science and Engineering (ECCSE) was established in 2014. It promotes research and education in simulation technology and produces skilled researchers and engineers who will shape the next generation of high-performance computing technologies in collaboration with universities, national research institutes, and industries.

Remote lectures on "Basis for Computational Life Science"
Remote lectures on computational life science are delivered through the internet. The videos of past lectures are open to public at RIKEN e-learning archive [link].

Activities at ECCSE
Flyers of "Basis for Computational Life Science"

We educate individuals who
1. understand the principles and value of computational science in problem-solving,
2. have a wide interdisciplinary knowledge of various computational science fields,
3. can handle simulation techniques in various research fields, and

Intensive courses on parallel computing
Intensive courses on parallel computing for junior researchers are offered in collaboration with RIKEN Center for Computational Science (RIKEN R-CCS) and University of Hyogo in every August and March, as KOBE-HPC Summer School and Spring School, respectively.
The courses include hands-on exercises on supercomputer use.

International Collaboration in research and education
We have been promoting international collaborations with the research groups at the University of Oslo in Norway and the University of Southern California (USC) in the US. The collaborations cover a broad range of activities, such as writing up of international joint papers as well as carrying out hands-on workshops, which involve students.

Outreach Activities
With our outreach activities we aim to cultivate a better understanding of computer simulations among the public, including elementary and middle-school students in the Convention Hall at the Integrated Research Center of Kobe University.

Research Activities with the π-VizStudio
Large-scale parallel simulation is provided using the π-VizStudio computer (SGI UV300).

[Principal applications]
- Solutions for disaster mitigation and global environmental problems
- Development of new energy sources
- Development of new nanotech materials
- Scientific explanations for the mysteries of the universe
- Development of new drugs