

# Graduate General Education Program

Code Number	01ZZ607
Course Title (Credits)	<b>High Performance Parallel Computing Technology for Computational Sciences (1 Credit)</b>
Course Overview	High performance computing is the basic technology to support today's large scale scientific simulations. It covers widely spread issues on hardware and software for high-end computing such as high speed computation, high speed networking, large scale memory and disk storage, high speed numerical algorithm, programming scheme and system software to support them. Current advanced supercomputer systems are based on large scale parallel processing systems and it is required even for application users to understand a certain level of these informations for effective utilization of them. In this class, we focus on the basic technology of high-end computing systems, programming, algorithm and performance tuning for application users who aim to use these systems for their practical simulation and computing.
Instructors	Taisuke Boku, Daisuke Takahashi, Osamu Tatebe, Hiroto Tadano, Claus Aranha, Jinpil Lee (RIKEN R-CCS)
Schedule	Feb. 4 (Mon) 9:00 ~ 16:45 Feb. 5 (Tue) 9:00 ~ 16:45
Location	Room 1014 (10th Floor), Laboratory of Advanced Research B (総合研究棟B)
Registration	<b>TWINS registration is available from Jan. 30th through Feb. 3rd</b>
Other	For details: <a href="http://www2.ccs.tsukuba.ac.jp/workshop/HPCseminar/2018/lecture_e.html">http://www2.ccs.tsukuba.ac.jp/workshop/HPCseminar/2018/lecture_e.html</a>