

JEP Host Labs and Research areas (As on Oct 19, 2015)

	Title	Name of Faculty Member	School/Institute	Department	Research areas	Special academic conditions required for research • Prerequisite knowledge and/or specific skill and its proficiency • Required study field(s)	URL
1	Professor	Takafumi KOSEKI	School of Engineering	Dept. of Electrical Engineering and Information Systems	electric and electronic engineering, electric energy conversion , electric machinery, control engineering		http://koseki.t.u-tokyo.ac.jp/index_en.html
2	Professor	Yoshihiro SUDA	Institute of Industrial Science	Dept. of Mechanical Engineering	system dynamics and control engineering		http://www.nozomi.iis.u-tokyo.ac.jp/index-e.html
3	Professor	Shu TAKAGI	School of Engineering	Dept. of Mechanical Engineering	Fluid Engineering	Fundamental Knowledge on Classical Mechanics. Preferably, having the knowledge on Fluid Mechanics.	http://www.fel.t.u-tokyo.ac.jp/takagi/takagi_e.html
4	Professor	Yuji SUZUKI	School of Engineering	Dept. of Mechanical Engineering	Micro Thermal and Fluids Engineering	- Heat transfer and fluid mechanics or - Numerical simulation and C programming	http://www.mesl.t.u-tokyo.ac.jp/users/ysuzuki/index.html
5	Associate Professor	Kimihiko NAKANO	Interfaculty Initiative in Information Science	Dept. of Mechanical Engineering	biomechanics		http://www.knakanolab.iis.u-tokyo.ac.jp/english/index_en.html
6	Professor	Jun YANAGIMOTO	Institute of Industrial Science	Dept. of Mechanical Engineering	highly functional processing	- Basic knowledge in metal forming - Plasticity and FEM - Skill in operating the tensile/compression testing machine	http://www.yanlab.iis.u-tokyo.ac.jp/?page_id=885&lang=en
7	Professor	Hirofumi DAIGUJI	School of Engineering	Dept. of Mechanical Engineering	thermal engineering		http://www.thml.t.u-tokyo.ac.jp/en/index.html
8	Associate Professor	Katsuko FURUKAWA	School of Engineering	Dept. of Bioengineering Dept. of Mechanical Engineering	MechanoBioengineering	Cell culture, PCR and staining techniques are helpful for our research. So, if you have experiences for the experiments, it is better. Our research topics are in regenerative medicine.	http://www.furukawa.t.u-tokyo.ac.jp/gallery_furukawa_Eng.html
9	Associate Professor	Junichiro SHIOMI	School of Engineering	Dept. of Mechanical Engineering	Nanoscale thermal energy engineering	Some skills in programming is preferred.	http://www.phonon.t.u-tokyo.ac.jp/?lang=en
10	Professor	Koichi MAEKAWA Tetsuya ISHIDA	School of Engineering	Dept of Civil Engineering	Concrete structure and material	Mechanics of materials, structural mechanics, concrete structure	http://concrete.t.u-tokyo.ac.jp/index.html
11	Associate Professor Assistant Professor	Tomonori Nagayama Di SU	School of Engineering	Dept of Civil Engineering	Bridge engineering	Mechanics of materials, structural mechanics, bridge structure	http://www.bridge.t.u-tokyo.ac.jp/index_e.html
12	Professor	Hiroshi IMAI	Graduate School of Information Science and Technology	Dept. of Computer Science	Algorithm, discrete structure, computational geometry, optimization, quantum information science		http://www-imai.is.s.u-tokyo.ac.jp/index.html
13	Professor	Reiji SUDA	Graduate School of Information Science and Technology	Dept. of Computer Science	Parallel numerical processing	Basic UNIX commands, C or Fortran programming	http://olab.is.s.u-tokyo.ac.jp/~reiji/lab-e.html
14	Professor	Takeo IGARASHI	Graduate School of Information Science and Technology	Dept. of Computer Science	User interface, computer graphics	Descent computer programming skill is required. An applicant is requested to provide a material demonstrating programming skill (e.g. URL of a video showing a software at work).	http://www-ui.is.s.u-tokyo.ac.jp/~takeo/index.html
15	Professor	Naoki KOBAYASHI	Graduate School of Information Science and Technology	Dept. of Computer Science	Programming languages, program verification	Basic knowledge of theoretical computer science and programming languages	http://www-kb.is.s.u-tokyo.ac.jp/index.html.en
16	Professor	Kunihiko SADAKANE	Graduate School of Information Science and Technology	Dept. of Mathematical Informatics	Algorithms and Data Structures, Data Compression, Parallel Algorithms	knowledge on basic algorithms and data structures	http://researchmap.jp/sada/?lang=english
17	Professor	Kei HIRAKI	Graduate School of Information Science and Technology	Dept. of Creative Informatics	Super High-Speed Network, Super High-Speed Computation, Strategic Software		http://www-hiraki.is.s.u-tokyo.ac.jp/index.en.html#
18	Professor	Hiroshi ESAKI	Graduate School of Information Science and Technology	Dept. of Creative Informatics	Smart Internet, Sensor Network		http://hiroshi1.hongo.wide.ad.jp/hiroshi/
19	Assistant Professor	Toshiya HACHISUKA	Graduate School of Information Science and Technology	Dept. of Creative Informatics	Computer graphics, Computational statistics	Basic knowledge about topics of your interest within computer graphics, programming skills	http://www.ci.i.u-tokyo.ac.jp/~hachisuka/