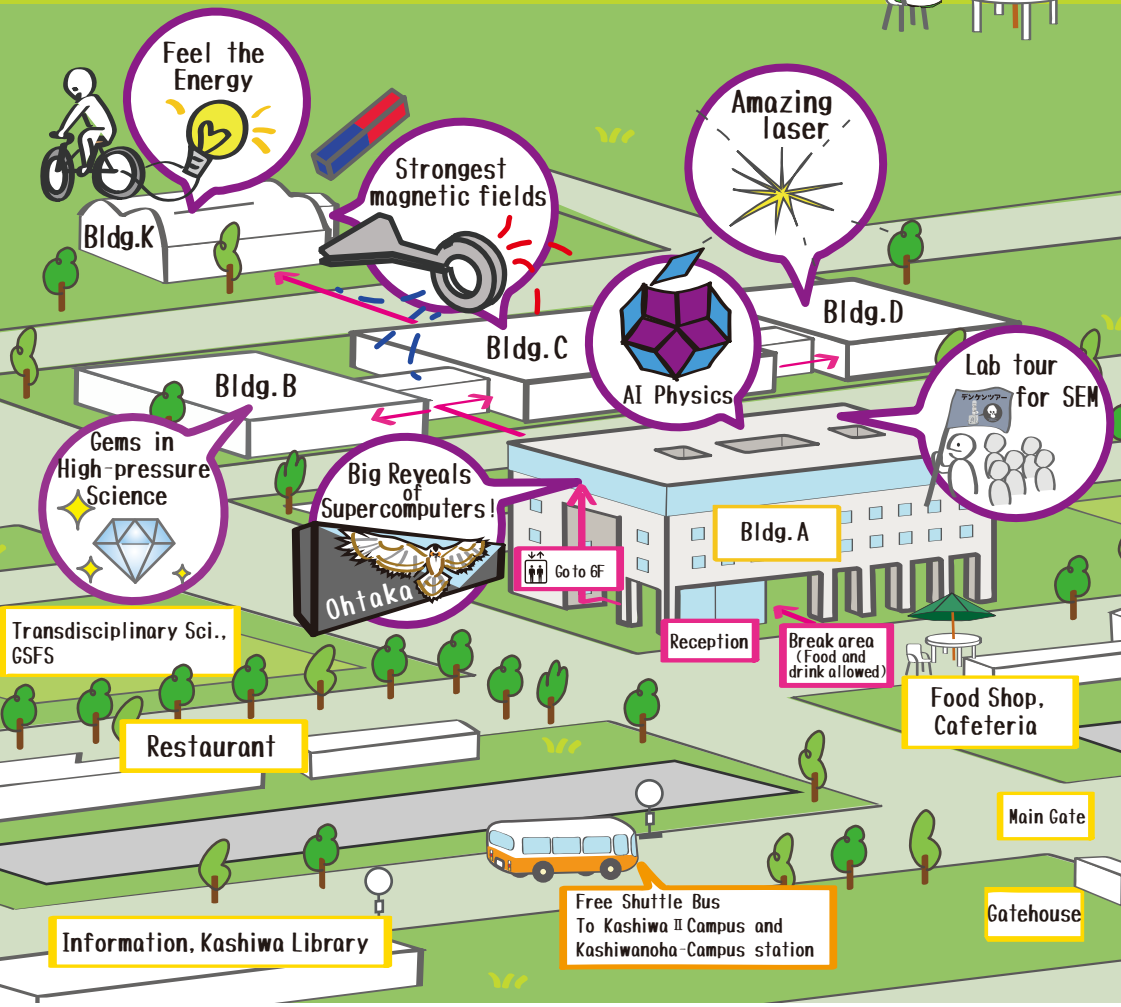
Open House 2025

ISSP Guide Map

10/24 (FRI) - 25 (SAT) 10:00-16:30

Find out what's amazing in "materials"!



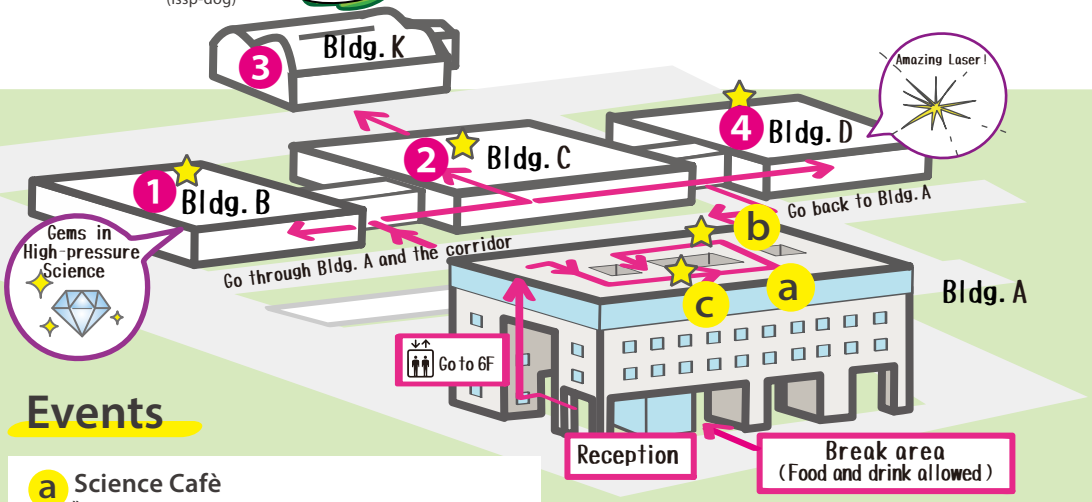
THE INSTITUTE FOR SOLID STATE PHYSICS
THE UNIVERSITY OF TOKYO

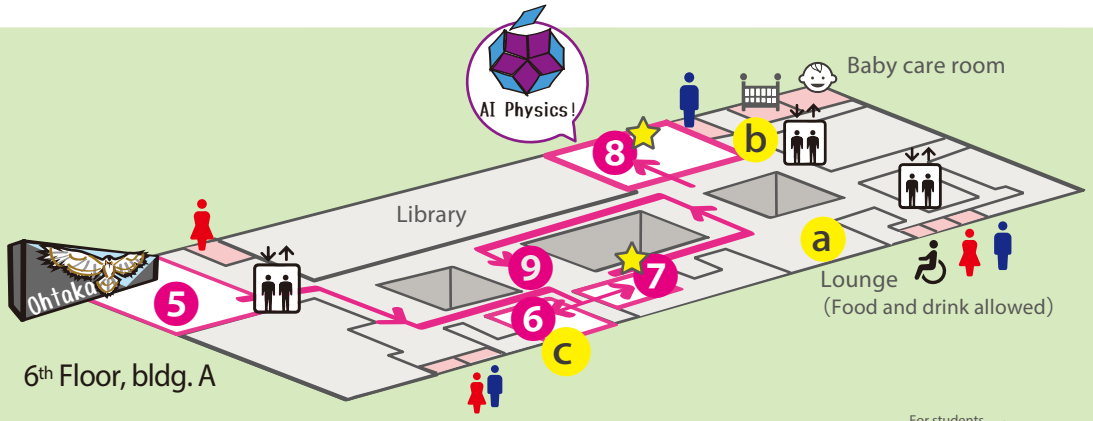
Exhibition

Recommended route

Start (Reception) 1st Floor, A — Walk through Bldg. A — ❶ Bldg. B (The world of ultra high pressure) — ❷❸ Bldg. C and K (Worlds' strongest magnetic fields) — ❹ Bldg. D (Light and Laser) — ❺~❽ 6F, Bldg. A — ❾ 6F, Bldg. A (Goal/Prize exchange)

Exchange for prizes from quiz rally and questionnaires.





Events

a Science Cafè

"Designing Molecules!? Molecular Design That Transforms Our Lives—From Chocolate and Cosmetics to OLED TVs"

Lecturer: FUJINO, Tomoko (Associ. Prof.,Yokohama National University)

25 (Sat.) 13:30 ~14:00

Place: 6F Lounge, Bldg. A

Did you know that almost everything around us is designed and created using molecules? We'll introduce the limitless possibilities of molecular design, covering everything from everyday items to cutting-edge research. We'll even have live experiments where we connect molecules!

b Lab Tour for Electron Microscope

Beyond the magnifying glass. Join a lab tour with the electron microscope and explore a hidden micro world.

24 (Fri.) 11:00~, 13:00~, 14:00~, 15:00~

25 (Sat.) 11:00~, 12:00~, 13:00~, 15:00~ approximately 30 min.

Meeting place: In front of the northeast elevator, 6F, Bldg. A.

Please gather at least 5 minutes before the start of each session.

c Crafts and demo experiments

Both the 24 (Fri.) and 25 (Sat.)

10: 30~, 11:00~, 11:30~,

13: 30~, 14: 00~, 14: 30~,15: 00~, 15: 30~

Place: Room 613, 6F, Bldg. A

Let's take a look at the wonders of light ~What is a spectrometer?~

See real X-ray spectrometers, and try visible-light research yourself by building and using your own device with paper cups!

Electricity from Water Drops? – Playing with the Kelvin Water Dropper

See water generate electricity! Experience the Kelvin water drop generator and discover how falling droplets create real electric charges!

For kids / For students and general / Hands-on

★❶ Gems and ultrahigh-pressure science

Discover how diamonds and rubies create ultrahigh pressures,using photoluminescence of gems to demonstrate measurement methods.

❺ Materials Science and Supercomputer

Come and see our supercomputers that support Japan's condensed matter science!

★❽ What is the Relationship between Life and Light?

Let's look at the various colored proteins that living things use to emit and receive light!

★❷❸ Ultra High Magnetic Field Lab. !

Let's visit high magnetic field lab and feel the energy of strong magnetic field.

❻❽ The frontier hiding great treasure of compounds: solid state materials science

Learn crystal structure basics and explore how scientists design completely new materials with mysterious quantum properties!

❽ Layer-by-layer crystal growth

See atoms dance with steel balls, try crystal-growth simulations, and explore how gems like rubies form hidden structures!

★❹ Light and Laser

Let's play with lasers!
What is the color of the light?

★❼ Making Protein Characters with ChatGPT: Exploring Biophysics

Talking, Moving Protein Characters: Learn Biophysics with ChatGPT — Explore Structure, Function, and Physics Through Fun and Friendly Characters!

❽ Fun with the Physics of AI

Nobel Prize in Physics went to AI and here's why.

Quiz Rally

Try quiz at the exhibitions marked as ★.

You'll get ISSP original "busseiken (ISSP dog)" Quantum rolled paper with 4 or more correct stamps, while supplies last.

※The number of rolled paper is limited.

Q1 Which gemstone is used for pressure measurement under ultra-high pressure?

❶ Gems and ultrahigh-pressure science

Q2 How should the coil be wound to use a pulse magnetic field to make a coin fly farther?

❷ Ultra High Magnetic Field Lab. !

Q3 What is the origin of the word "laser"?

❹ Light and Laser

Q4 A human motor neuron can be as long as 1 meter! If motor proteins carry cargo along it, how many days will it take?

❼ Making Protein Characters with ChatGPT: Exploring Biophysics

Q5 What does the protein rhodopsin do?

❽ What is the Relationship between Life and Light

Free Shuttle Bus

To Kashiwanoha-campus Station and Kashiwa II Campus

To Kashiwanoha-campus Station		Kashiwa Campus	To Kashiwa II Campus		
	← 5-7 minutes		5 minutes →		
10	35 45 55		10	00 15 45	
11	05 15 25 35 45 55		11	00 15 45	
12	05 15 25 35 45 55		12	00 15 45	
13	05 15 25 35 45 55		13	00 15 45	
14	05 15 25 35 45 55		14	00 15 45	
15	05 15 25 35 45 55		15	00 15 **45**	
16	05 15 25 35 45 55		16		
17	Runs approx. every10 min. **50**		17		

ISSP is here

※ Bold times on the timetable indicate that the final bus.

Please share your opinions and feedback with us

Please access QR code and answer questionnaires. You can also answer with PCs on the 6th floor of building A at ISSP. If you need any help, please let our staff know. Answer questions and you'll receive can badges!

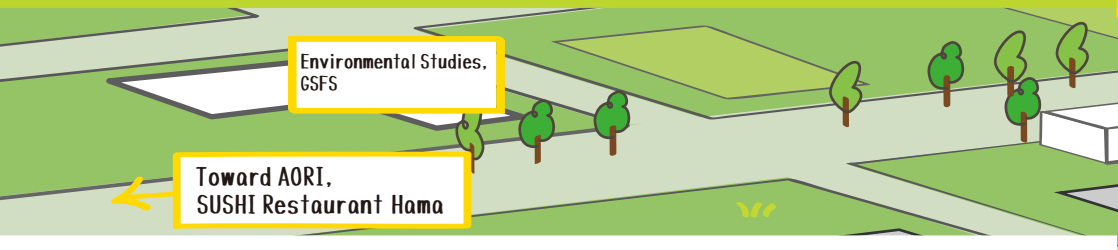
※The number of can badges is limited.

You can get it at the prize exchange booth on the 6th floor, Bldg. A.

Make your own Bohr Model with roll paper.

Answer questionnaires and get original Busseiken can badges!

Scan the code



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https://www.issp.u-tokyo.ac.jp/