

# Audio language setting

- Press "Interpretation" and select "English."
- If you listen the speaker's voice as is, select "Original audio."





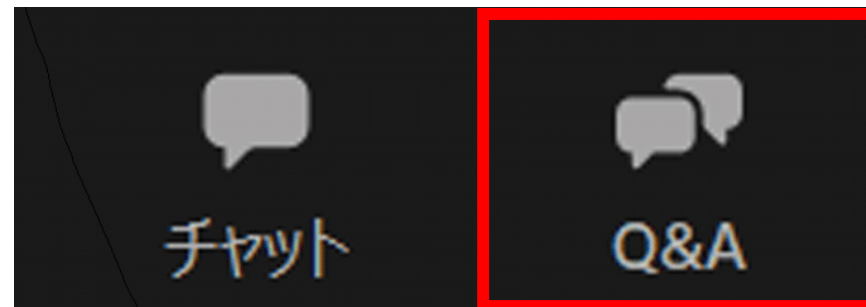
Tokyo Tech

# **Fellowship to SPRING - Guidance session -**

**Office of Advanced Fellowship,  
Promotion Office for Education Programs  
([cps2.f.app@jim.titech.ac.jp](mailto:cps2.f.app@jim.titech.ac.jp))**

**March 14, 2024**

- Please use the "Q&A" button for any questions.
- Will answer Q&A session.



# Message

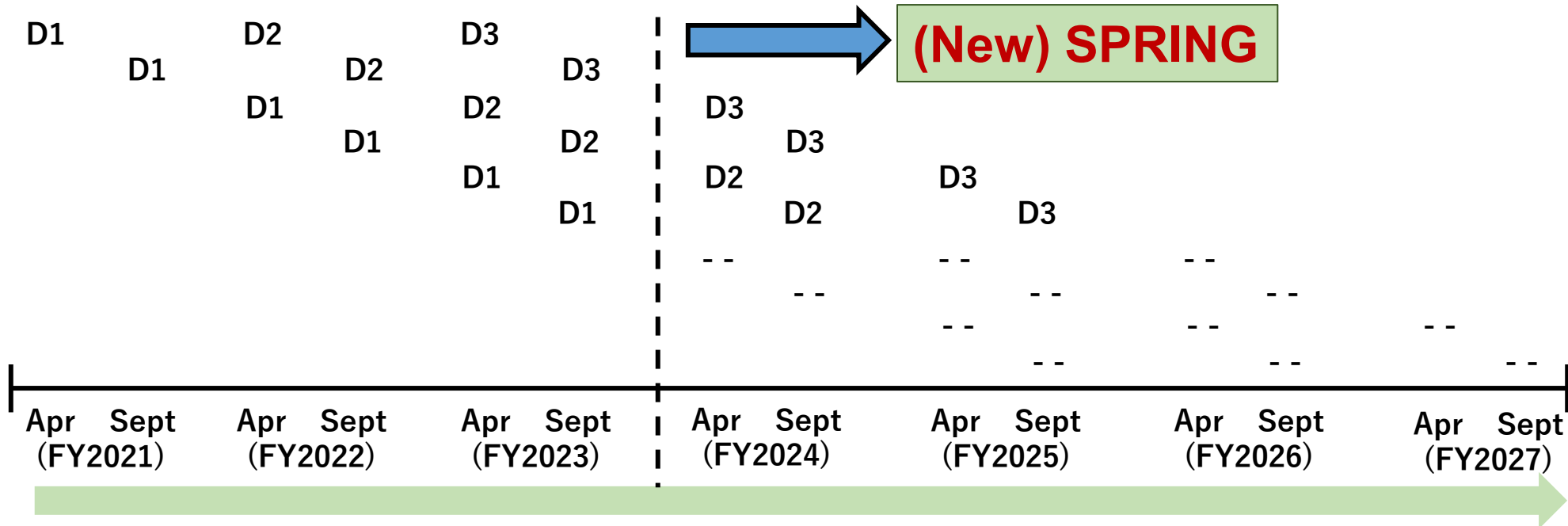
**Yoshihiro Miyake**

**Associate Dean for Education, School of Computing**  
**Chair, Advanced Human Resources Development Fellowship Committee**

- **History**
- **Financial support**
- **Study program (Obligation)**
- **Reports to be submitted**

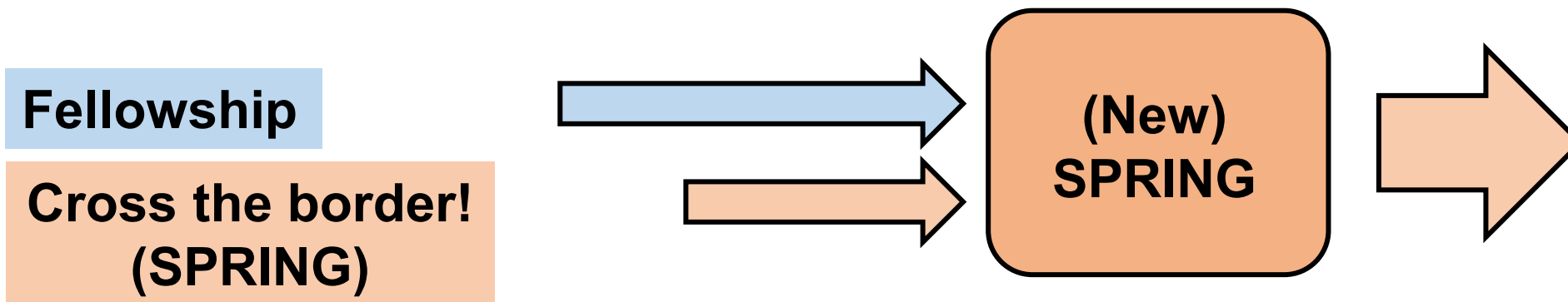
# Advanced Human Resource Development Fellowship

Feb, 2021	Adopted as the fellowship project (40 students/year, initially for 7 year project)
Apr/Sept, 2021	30 students selected for spring and 10 for fall.
Mar, 2022	6 students withdrew due to adoption as JSPS DC2, and 6 were newly adopted.
Apr/Sept, 2022	28 students selected for spring and 12 for fall.
Jan, 2023	<b>MEXT announces that the new SPRING Program which will unify the fellowship and “Cross the border!” programs, starting in FY2024.</b>
Mar, 2023	14 students withdrew due to adoption as JSPS DC2, and 14 were newly adopted.
Apr/Sept, 2023	28 students selected for spring and 12 for fall.



# Consolidation of Fellowship and SPRING

- In order to solve the problems caused by the coexistence of the two programs and to reduce the administrative and student workloads, the two programs have been integrated into a single program since FY2024.
  - \* In the fellowship, the project was managed with matching funds from the university and the government, but in SPRING, the project is entirely funded by the government (JST). No cost sharing by the school and/or the laboratory.
- In the consolidation of the two programs, the framework will be shifted to the SPRING program framework, which provides more generous support to students. In doing so, consideration will be given to ensure the smooth continuation of both programs.



*SPRING (Support for Pioneering Research Initiated by the Next Generation)*

**From FY2024, you will be supported under the SPRING project.**

**• • • However, we will consider continuity from previous fellowship programs as much as possible.**



# Financial Support

# (New) Financial Support from FY2024

(Up to three years, including the fellowship period.)

- Research incentives (<= Research dedication support funds)  
👉 (UP!!) 180,000 yen/month (2,160,000 yen/year)
- Research funds
  - 300,000 yen/year
  - Academic advisor is Administrative Budget Manager.
  - The budget code will be newly assigned for FY2024.  
👉 Do not use previous code !!
- Full tuition fee exemption (Only for fellowship students)

# Obligation

# Obligation in SPRING

Complete one of the following activities

a) Off-campus study abroad or in Japan for at least 90 days (A combination of periods is acceptable)

Overseas study is preferred, but research or an internship at a domestic company or academic institution is also acceptable.

b) Taking one of the following (b1 to b4):

b1. 4 credits from DSAI\* Expert Level & 3 credits from DSAI\* Expert Level Plus

b2. 4 credits from DSAI\* Expert Level & 3 credits from Entrepreneurship

b3. 3 credits from DSAI\* Expert Level Plus & 4 credits from Entrepreneurship

b4. 8 credits from Japanese language and culture courses

Participate in at least two designated events, courses, etc. from those on the Career Development Content List every fiscal year.

Participate in research meetings, workshops, seminars, etc. designated by this program.

< Those with no prior experience in Japanese >  
Take 2 credits of Basic Japanese 1 & Japanese 2.

\* DSAI: DS&AI university-wide education program

# Fellowship Study Program

## Research capability

R1

Participate in joint research projects ... (once)

R2

Progressive Graduate Minor in DS and AI (8 credits)

R3A

Mentoring w/ 2 academic advisors (twice a year)

R3B

Participate in a conference by IIR (once)

R4

Take English writing & presentation classes (once)

## Career path

C1

Participate in Dr's K-meet (once)

C2

Research internship (once)

C3

Career education class or practical AI and DS (once)

## Others

O1

Motivate students to enter doctoral course. (once a year)

# Fellowship obligation => SPRING - (1)

Complete one of the following activities

a) Off-campus study abroad or in Japan for at least 90 days. (A combination of periods

**C2 Research internship (once)**

research or an internship at a domestic company or academic institution is also acceptable.

b) Taking one of the following (b1 to b4):

b1. 4 credits from DSAI Expert Level & 3

**R2 Progressive Graduate Minor in DS and AI (8 credits)**

credits from Entrepreneurship

**C3 Career education class or practical AI and DS (once)**

b4. 8 credits from Japanese language and culture courses

**R1**

Participate in joint research projects ... (once)

**R3A**

Mentoring w/ 2 academic advisors (twice a year)

**R3B**

Participate in a conference by IIR (once)

**C1**

Participate in Dr's K-meet (once)

**O1**

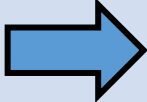
Motivate students to enter doctoral course. (once a year)

Participate in research meetings, workshops, seminars, etc. designated by this program

< Those with no prior experience in Japanese >  
Take 2 credits of Japanese language course 1 & Japanese 2.

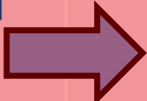
**Not required for fellowship students**

# Fellowship obligation => SPRING - (2)

Fellowship	SPRING
<p data-bbox="310 415 825 465">Research internship</p> 	<p data-bbox="1230 415 2104 572">Off-campus study abroad or in Japan for at least 90 days (A combination of periods is acceptable)</p> <p data-bbox="1268 586 2007 801">Overseas study is preferred, but research or an internship at a domestic company or academic institution is also acceptable.</p>

**1) Completed if you've done a research internship of 90 days or more.**

# Fellowship obligation => SPRING - (3)

Fellowship	SPRING
<ul style="list-style-type: none"><li>● Progressive Graduate Minor in DS &amp; AI</li><li>● Practical AI &amp; DS</li></ul>	<p>b) Taking one of the following (b1 to b4):</p> <ul style="list-style-type: none"><li><b>b1. 4 credits from DSAI Expert Level &amp; 3 credits from DSAI Expert Level Plus</b></li><li>b2. 4 credits from DSAI Expert Level &amp; 3 credits from Entrepreneurship</li><li>b3. 3 credits from DSAI Expert Level Plus &amp; 4 credits from Entrepreneurship</li><li>b4. 8 credits from Japanese language and culture courses</li></ul>
<p><b>2a) Completed Progressive Graduate Minor in DS &amp; AI (8 credits)</b></p> <p><b>2b) Completed b1 in SPRING</b></p> <p>Progressive Graduate Minor in DS &amp; AI + Practical AI &amp; DS  <b>b1. 4 credits from DSAI Expert Level &amp; 3 credits from DSAI Expert Level Plus</b></p>	



# Progressive graduate minor in DSAI vs. DSAI university-wide education program



~2023

	Progressive graduate minor in DSAI	DSAI university-wide education program
Fundamentals of (Progressive) DS	✓	✓
Ex in Fundamentals of (Progressive) DS	✓	✓
Fundamentals of (Progressive) AI	✓	✓
Ex in Fundamentals of (Progressive) AI	✓	✓
Progressive Applied AI and DS A	✓	✓
Progressive Applied AI and DS B	✓	✓
Progressive Applied AI and DS C	✓	✓
Progressive Applied AI and DS D	✓	✓
Practical AI and DS A	*	✓
Practical AI and DS B	*	✓
Practical AI and DS C	*	✓
(Progressive) Advanced DS and AI 1		✓ (Plus)
(Progressive) Advanced DS and AI 2		✓ (Plus)
(Progressive) Advanced DS and AI 3		✓ (Plus)

	Progressive graduate minor in DSAI	DSAI university-wide education program
Statistical Learning Theory	✓	
Applied Probability	✓	
Information Visualization	✓	
Practical Parallel Computing	✓	
Natural Language Processing	✓	
Information Organization and Retrieval	✓	
Complex Networks	✓	
Computer Graphics	✓	
Distributed Algorithms	✓	
Theory of Statistical Mathematics	✓	
Mathematical Models and Computer Science	✓	
Bioinformatics	✓	
Advanced Artificial Intelligence	✓	
Multimedia Information Processing	✓	
Advanced Data Engineering	✓	
Cloud Computing & Parallel Processing	✓	
High Performance Scientific Computing	✓	
Advanced Information Security	✓	

\* Required as the education courses in Career path

# Progressive graduate minor in DSAI vs. DSAI university-wide education program



2024~

	Progressive graduate minor in DSAI	DSAI university-wide education program
Fundamentals of (Progressive) DS	✓	✓
Ex in Fundamentals of (Progressive) DS	✓	✓
Fundamentals of (Progressive) AI	✓	✓
Ex in Fundamentals of (Progressive) AI	✓	✓
(Progressive) Applied Practical AI and DS-1 A, B, C	✓	✓
(Progressive) Applied Practical AI and DS-2 A, B, C	✓	✓
(Progressive) Applied Practical AI and DS-3 A, B, C	✓	✓
(Progressive) Advanced DS and AI 1		✓ (Plus)
(Progressive) Advanced DS and AI 2		✓ (Plus)
(Progressive) Advanced DS and AI 3		✓ (Plus)

	Progressive graduate minor in DSAI	DSAI university-wide education program
Statistical Learning Theory	✓	
Applied Probability	✓	
Information Visualization	✓	
Practical Parallel Computing	✓	
Natural Language Processing	✓	
Information Organization and Retrieval	✓	
Complex Networks	✓	
Computer Graphics	✓	
Distributed Algorithms	✓	
Theory of Statistical Mathematics	✓	
Mathematical Models and Computer Science	✓	
Bioinformatics	✓	
Advanced Artificial Intelligence	✓	
Multimedia Information Processing	✓	
Advanced Data Engineering	✓	
Cloud Computing & Parallel Processing	✓	
High Performance Scientific Computing	✓	
Advanced Information Security	✓	

# Fellowship obligation => SPRING - (4)

Fellowship	SPRING
<ul style="list-style-type: none"><li>- Participate in joint research projects ... (once)</li><li>- Participate in a conference by IIR (once)</li><li>- Participate in Dr's K-meet (once)</li><li>- Motivate students to enter doctoral course. (once a year)</li><li>- Mentoring w/ 2 academic advisors (twice a year)*</li></ul>	<p>Participating in at least two designated events, courses, etc. from those on the Career Development Content List every fiscal year</p>
<p><b>You may count the number of achievements you did so far. Target is 6 events in 3 years. From FY2024, select an event from the career development content list.</b></p>	
<p>* Count all mentorings with two AAs as one event.</p>	

# Newly added in SPRING

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- **Participate in research meetings, workshops, seminars, etc. designated by this program**

# No required in SPRING

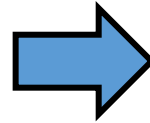
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- **Motivate students to enter doctoral course. (once a year)**
- **Mentoring w/ 2 academic advisors (twice a year)**

# Reports to be submitted

## Fellowship

- (Form 1) Report for study program (twice a year)
- (Form 2) Report on seminar, workshop, learning program and other event (per event)
- (Form 3) Counselling report with two academic advisors (twice a year)



## SPRING

- Activity Report (Once a year)
- Research Report (Once a year)
- Research funds plan\* (Once a year)
- Expenditure Book (Once a year)

**Details informed later.**

**(\* will soon ask to fill out a plan for the use of research funds.)**

## (New)

- Register the matching system of Cooperative Education through Research Internships
- Cooperate in career-related follow-up surveys for up to 10 years after completing the doctoral program

## (Continued)

- Apply for a JSPS Research Fellowship (DC2)
- Take the designated research ethics and compliance training
- Indicate in acknowledgments that you have received a grant from this program
- File a tax return every year



Tokyo Tech

**Thanks !!**

