TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
GRADUATE SCHOOL OF AGRICULTURE
GUIDELINES FOR APPLICANTS
ACADEMIC YEAR 2020

Master Program at the Department of Agriculture
Course of International Innovative Agricultural Science (IIAS)
Program of International Innovative Agricultural Science (IIAS)
Special Program for International Students
October 2020 Entrance

Innovative leader program for the social implementation of advanced agricultural science in ASEAN

Admission Policy

The basic philosophy of this Graduate School is to promote education and research in agriculture, engineering and related fields and contribute to the survival and prosperity of humans and the sustainment of the beautiful earth.

Facing growing problems associated with the expansion of human activities, such as food and resource problems, environmental and pollution problems and population problem, this faculty aims to:
1) develop expertise on life, bio-function, environment, information, humanities and social sciences indispensable to solve population, food, resource and environmental problems of the 21st century,
2) cultivate broad expertise for deep resolution and insight in nature, humans, society and culture,
3) enhance abilities to solve the problems with the issue exploring ability by using mission intending science in response to request from society,
4) develop abilities to play an active role in international society in a leadership position,
5) improve enthusiasm for personal development and producing extremely advanced enthusiasm for education and research.

We accept students who meet this University’s academic standards, and aspire to contribute to the global society by becoming researchers and specialists in the fields related to agri-science, bio-science, and eco-science.

Tokyo University of Agriculture and Technology (TUAT) offers a special graduate program “Innovative leader program for the social implementation of advanced agricultural science in ASEAN” at the Department of Agriculture, Course of International Innovative Agricultural Science, Program of International Innovative Agricultural Science (IIAS), and
recruits international students under the following conditions.

I. Fields of study

- International Environmental Rehabilitation and Conservation
- International Biological Production and Resource Science
- International Development on Rural Areas
- International Applied Animal Sciences
※ Double Degree Program (DDP)

II. Students recruited

(1) International Students with the Japanese Government Scholarship
The Graduate School will recommend four students as the candidates for the Japanese Ministry of Education, Culture, Sports, Science (MEXT: Monbukagakusho) Scholarship.

(2) Privately Financed International Students
a. Single Degree from TUAT Graduate School
   A few students may receive financial support from private scholarship funds in Japan.
b. Double Degrees from Home Institution and TUAT Graduate School (DDP)
   International students who wish to earn two master degrees from both his/her home institution and TUAT.

III. Eligibility and Requirement

(1) Candidates for MEXT Scholarship: see pages iii – viii, xvi
(2) Privately Financed Students:
   a. Single Degree from TUAT; see pages ix – xii, xvi
   b. Double Degrees from Home Institution and TUAT (DDP); see pages xiii – xvi, xvi
(1) Candidates for MEXT Scholarship

1. Applicants
   - Graduate-level international applicants who will enter to Japan as new students.
   - Applicants should have the MEXT grade points of 2.30 (out of 3.00), and are expected to maintain this academic standard during the scholarship program.

2. Nationality
   Applicants must have the nationality of a country with diplomatic relations with the Japanese government. Applicants who have Japanese nationality at the time of application are ineligible.

3. Age
   Applicants who were born on or after April 2, 1985.

4. Academic background
   Applicants must be a graduate of a Japanese university or have academic abilities equivalent to or greater than that of a Japanese university graduate. Eligible applicants other than those who have graduated from Japanese universities are defined as follows:
   1) Applicants who have completed (or expected to complete) 16 years of school education outside Japan.
   2) Applicants who have completed 3 years or more for bachelor degree course and have earned or will earn bachelor degree from university or equivalent school outside of Japan.
      ※ Those who have under the Academic background 2) need to contact the prospective supervisor until January 10, 2020.
   3) Applicants who have been recognized as having equal academic ability to university graduate level by TUAT in individual entrance qualification screening process. And applicants who have reached (or expected to reach) 22 years of age.

5. Health
   Applicants should be in good mental and physical health.

6. Language skill
   Applicants are required to fulfill at least one among the following English proficiencies.
   1) A score of qualification or examination test equal to or more than B2 equivalent of Common European Framework of Reference for Languages (CEFR) in English at the enrollment.
   2) Applicants who completed the curriculum that satisfies entrance qualifications for Japanese graduate school master's or doctoral course (previous term) or doctoral course (late term) in English as the main language.
3) Applicants who are evaluated by TUAT that they have the above 1) English proficiency or higher.

7. Arrival in Japan
Applicants must be able to arrive in Japan between October 1 and October 14, 2020.

8. Remarks
1) Applicants in the following categories are “ineligible” for the Japanese Government Scholarship. They must decline the scholarship offer if they are found to fit any of the following criteria.
   (1) Active members of the military or civilian employed by the military;
   (2) Applicant who is unable to travel to Japan within the period designated by the host university.
   (3) Former recipient of a Japanese Government Scholarship in the past is ineligible unless having at least three years of education and/or research records at the time of the new enrollment. (This does not apply to a research-student applicant, who: (i) received training as a Japanese-studies student and later returned to a university from which he or she graduated in their home or another country; or (ii) was an international student in Japan under the Japan-Korea Joint Government Scholarship Program for the Students in Science and Engineering Departments and later returned to South Korea; or (iii) was an international student under the young leaders program.)
   (4) A recipient of a scholarship from an organization (including a governmental organization in his or her home country) other than the Japanese government (MEXT)
   (5) An applicant who has concurrently applied for this scholarship through another university's recommendation, or an applicant who has applied for other scholarships for international students by the Japanese government (MEXT) or the Japan Student Services Organization (JASSO) (including students who have been awarded these scholarships and who plan to remain enrolled in the semester beginning in October 2020 and beyond.)
   (6) An applicant who is enrolled in a Japanese university with a status of residence "Ryuugaku (student)" at the time of application, or who is enrolled or scheduled to be enrolled as a privately financed student in a Japanese university since the time of application until the scholarship provision. However, even if the applicant is enrolled in a Japanese university, the following case is excluded: At the time of application, the applicant is expected to complete his/her study program prior to commencement of the MEXT Scholarship grant period and surely return home, and then acquire a new status of residence "Ryuugaku (student)" to come again to Japan.
   (7) An applicant who failed to graduate and whose conditions and academic qualification are not satisfied by the prescribed date.
   (8) An applicant who has a dual nationality at the time of application and cannot prove that he she has withdrawn Japanese nationality by the date of arrival.
(9) An applicant who is planning long-term research activities (internships, fieldwork, etc.) outside Japan, or planning to take a long-term leave of absence from the time of application.

(10) An applicant who completed doctoral course and does not aim for obtaining a degree.

2) Admission shall be canceled if a candidate who expected to graduate failed his/her graduation until the end of September 2020.

3) For students regarding “4. Academic background 3)”, in case the candidate has less than 16 years of school education, evaluation is required prior to the admission. Please inform your prospective supervisor at TUAT by January 10, 2020.

Application Procedure

All the applicants must apply upon the acceptance from the prospective supervisor after the discussion for your enrollment.

1) Submittal of application
   All the documents should be sent by registered mail to the prospective supervisor before 4:00 PM January 27, 2020.

2) Documents to be submitted
   (1) APPLICATION FORM FOR JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP FOR 2020 (use enclosed form)
   (2) Field of your major and research plan (use enclosed form)
   (3) Research Achievement
   (4) An abstract of either Bachelor’s or Master’s thesis, or equivalent paper in Japanese or English within 600 words.
   (5) A letter of recommendation, by the dean or head of the applicant’s affiliated institution. This letter is addressed to the president of Tokyo University of Agriculture and Technology. Please use the envelope issued by your university and an official seal of your university.
   (6) A certification that shows the applicant’s birth, nationality, citizenship, or residence in the applicant’s home country such as a transcription of domiciliary register or a proof of citizenship.
   (7) Original academic transcript issued by the last university attended (undergraduate or graduate school.)
      (Please submit a transcript showing the credit you obtained in each academic year.)
   (8) Original diploma or certificate for (prospected) graduation issued by the last university attended (undergraduate or graduate school), indicating the degree conferred. (Diploma will be returned.)
9) Original of the academic certificate of the last university attended showing the GPA or the ranking which the applicant has been awarded within his or her class (e.g. Xth out of Y students.)

10) Original certificate for language
    (e.g. TOEFL, IELTS etc. ※Scores should be obtained within the last 2 years)
    (If the applicant does not have a certificate to prove your language skills, please contact the prospective supervisor as soon as possible.)

11) A Certificate of health (use enclosed form and this certificate should be obtained within the past 6 months before the submission.)

12) A photocopy of passport (If you have already your passport. The pages where the name and the photograph can be identified)

13) Your photograph of passport size (4.5cm by 3.5cm), showing a clear front−faced, up−from−bust, bare−headed picture, taken within 6 months of the application date. Name and nationality should be printed on the back side. Photograph should be attached to the designated place of the application form.

3) Remarks
    i) All the documents should be typewritten in either English or Japanese and printed in A4 size with enclosed form. (In the case the document is not English or Japanese, please attach the translation in English or Japanese with it.)
    ii) The submitted documents will not be returned
    iii) All documents should be correctly completed and submitted before the deadline. Documents submitted after the deadline and incomplete applications will not be considered.
    iv) The documents and form is possible to change.

4) Screening and aim of this Special Program
    i) Candidates recommended by TUAT will pass through MEXT selection and the result will be notified to TUAT.
    ii) TUAT will inform the result to the candidates by July, 2020.
    iii) The classes and instruction is conducted in English mainly and this program offers a Master of Agriculture or a Master of Philosophy within 2 years. The enrollment identification is a full time master course student.

5) Allowance
    The scholarships will be provided to international students who obtains Japanese Government Scholarship (MEXT scholarship).
    The scholarship duration for MEXT Scholarship recipients is twenty-four (24) months from October, 2020.
    The amount of the monthly stipend for 2020 is yet to be determined. For reference, the monthly amount for 2019 scholarship was JPY144,000/month (This amount is subject to change depending on the fiscal budget, prices, etc. for each year).
The scholarship will not be paid to a recipient who is on a leave of absence or absent for a long period from his or her university. The scholarship will be cancelled in the following cases:

i) If any portion of the recipient's application documents is found to be falsely stated.

ii) If the recipient is in breach of his or her pledge made to the Minister of MEXT.

iii) If the recipient violates Japanese laws and regulations and is imprisoned for more than a year.

iv) If the recipient is subjected to a disciplinary action or expulsion by his or her university.

v) If it is determined that the recipient will not be able to complete his or her course within the standard course term because of his or her poor academic achievement or suspension.

vi) If the recipient changes his or her resident status of "Exchange Student," as provided for in Paragraph 1-4 of Appendix to the Immigration Control and Refugee Recognition Act, to any other status.

vii) If the recipient receives another scholarship (except for a scholarship designated for research expenses).

viii) After admission, if the recipient continues to higher courses without approval of extension of the scholarship grant period.

ix) If the recipient leaves the host university or transfers to another graduate school.

x) If the recipient’s annual academic grade point is less than 2.30 or the grading standard set by the university.

6) Traveling Costs (Only supported for international students with Japanese Government Scholarship: MEXT scholarship)

i) Transportation to Japan: Recipients will be provided, according to the itinerary and route designated for them by MEXT, with an economy class air ticket from the international airport closest to their place of residence to Narita International Airport (or an international airport the recipient's host university normally uses). Recipients will have to shoulder expenses such as domestic transportation from their place of residence to the nearest international airport, passenger service facilities charge (PSFC), airport taxes, special taxes on overseas travel and domestic travel expenses in Japan (basically the recipient's place of residence should be the current address stated in the application form). Moreover, an air ticket will not be provided if the recipient travels to Japan from a country other than that of his or her nationality.

ii) Transportation from Japan: Upon application, recipients who wish to return to their home country within the last-payment month of the scholarship will be provided with an economy class air ticket for a flight from Narita International Airport (or an international airport the recipient's university normally uses) to the international airport closest to their place of return.

iii) Recipients should bare the cost of travel insurance for their travels to/from Japan.
7) Cost of Insurance at the Enrollment
   i) School fees including application fee, admission fee and tuition fee will not be charged. (Only for international students with Japanese Government Scholarship)
   ii) Students Education and Research Accident Insurance insures students against unforeseen accidents and injuries (but not illnesses) sustained in curricular (in class) activities, at school events, during club activities, or while they are in or on their way to or from a university facility. The expense is 1,750 Japanese Yen for 2 years.
   iii) Student Liability Insurance Program which will provide compensation in the event that the student injures another person or damages another person’s property during the regular course, internship, volunteer activities, off-campus research (surveys, tours, training), or extracurricular activities (such as overnight field trips and expeditions). The cost of this insurance is 3,600 Japanese Yen for 2 years. A member fee for the University Co-op of 5,000 yen is also required but will be reimbursed at the end of the Master’s program. (* The costs of the insurance fee and the member fee for the University Co-op are subject to change.)

   All the enrolling students are required to join the Student Liability Insurance Program in addition to the Students Education and Research Accident Insurance.
(2) Privately Financed Students
   a. Single Degree from TUAT

1. Applicants
   Students can already be residing in Japan at the moment of application.

2. Nationality
   Non-Japanese citizen.

3. Age
   No restriction.

4. Academic background
   Applicants must be a graduate of a Japanese university or have academic abilities equivalent to or greater than that of a Japanese university graduate. Eligible applicants other than those who have graduated from Japanese universities are defined as follows:
   1) Applicants who have completed (or expected to complete) 16 years of school education outside Japan.
   2) Applicants who have completed 3 years or more for bachelor degree course and have earned or will earn bachelor degree from university or equivalent school outside of Japan.
      ※Those who have under the Academic background 2) need to contact the prospective supervisor until February 5, 2020.
   3) Applicants who have been recognized as having equal academic ability to university graduate level by TUAT in individual entrance qualification screening process. And applicants who have reached (or expected to reach) 22 years of age.

5. Health
   Applicants should be in good mental and physical health.

6. Language skill
   Applicants are required to fulfill at least one among the following English proficiencies.

   1) A score of qualification or examination test equal to or more than B2 equivalent of Common European Framework of Reference for Languages (CEFR) in English at the enrollment.
   2) Applicants who completed the curriculum that satisfies entrance qualifications for Japanese graduate school master's or doctoral course (previous term) or doctoral course (late term) in English as the main language.
   3) Applicants who are evaluated by TUAT that they have the above 1) English proficiency or higher.

7. Arrival in Japan
   Applicants must arrive in Japan between October 1 and October 14, 2020.
8. Other remarks

1) Admission shall be canceled if a candidate who expected to graduate failed his/her graduation until the end of September 2020.

2) For students regarding “4. Academic background 3)”, in case the candidate has less than 16 years of school education, evaluation is required prior to the admission. Please inform your prospective supervisor at TUAT by February 5, 2020.

Application Procedure

All the applicants must apply upon the acceptance from prospective supervisor after the discussion.

1) Submittal of application

All the documents should be sent by registered mail to the prospective supervisor before 4:00 PM April 15, 2020.

2) Documents to be submitted

(1) 2020 academic year application form (use enclosed form)

(2) Field of study and research plan (use enclosed form)

(3) An abstract of either bachelor’s or master’s thesis, or equivalent paper in Japanese or English within 600 words.

(4) Either a graduation certificate or a corresponding certificate issued by the applicant’s school indicating that the applicant will be graduating from undergraduate or master’s programs, which applicant lately graduated or graduating. A transcript of academic record and a degree certificate of undergraduate or master’s programs that is issued by university authorities, which applicant lately graduated or graduating.

(5) A certification that shows the applicant’s birth, nationality, citizenship, or residence in the applicant’s home country such as a transcription of domiciliary register or a proof of citizenship.

(6) A letter of recommendation, by the dean or head of the applicant’s affiliated institution. This letter is addressed to the president of Tokyo University of Agriculture and Technology. Please use the envelope issued by your university and an official seal of your university.

(7) Original certificate for language (e.g. TOEFL, IELTS etc.)

(If the applicant does not have a certificate to prove your language skills, please contact the prospective supervisor as soon as possible.)

(8) A certificate of health (use enclosed form and this certificate should be obtained within the past 6 months before the submission.)

(9) A photocopy of passport (If you have already your passport. The pages where the name and the photograph can be identified)

(10) Your photograph of passport size (4.5cm by 3.5cm), showing a clear front–faced, up–from–bust, bare–headed picture, taken within 6 months of the application date.
Name and nationality should be printed on the back side. Photograph should be attached to the designated place of the application form.

3) Application fee
   i) Application fee of JPY 30,000
      (to be paid by using the prescribed payment form at a Japanese post office. Applicants outside Japan are advised to refer to their proposed supervisor for details)
   ii) The prescribed payment form for Entrance examination fee can be requested from Educational Affairs Section II of Fuchu Student Support Office. Please request it early beforehand to avoid being late. After payment, please submit a receipt (right side of the money transfer bill) with application documents.

4) Remarks
   i) All the documents should be typewritten in either English or Japanese and printed in A4 size with enclosed form. (In the case the document is not English or Japanese, please attach the translation in English or Japanese with it.)
   ii) The submitted documents will not be returned.
   iii) All documents should be correctly completed and submitted before the deadline. Documents submitted after the deadline and incomplete applications will not be considered.
   iv) The documents and form is possible to change.

5) Screening and Aim of this Special Program
   i) The screening will be conducted based on the submitted documents in “Application Procedure”.
   ii) The successful applicants are selected on a faculty meeting of Tokyo University of Agriculture and Technology and the notification of acceptance will be sent by the supervisor directly by the end of May, 2020.
   iii) The classes and instruction is conducted in English mainly and this program offers a Master of Agriculture or a Master of Philosophy within 2 years. The enrollment identification is a full time master course student.

6) Cost and Insurance at the Enrollment
   i) Admission fee of JPY 282,000.
   ii) Tuition fee for the fall semester (Oct. 2020 to Mar. 2021) is JPY 267,900 (JPY 535,800 per year) as of December 2019. Tuition fee and admission fee will be adjusted at any time without notice.
   iii) Student Education and Research Accident Insurance insures students against unforeseen accidents and injuries (but not illnesses) sustained in curricular (in class) activities, at school events, during club activities, or while they are in or on their way to or from a university facility. The expense is JPY 1,750 for 2 years.
   iv) Student Liability Insurance Program provides compensation in the event that the student injures another person or damages another person’s property during the regular course, internship, volunteer activities, off-campus research (surveys, tours,
training), museum curator training, or extracurricular activities (such as overnight field trips and expeditions).
The cost of this insurance is JPY 3,600 for 2 years. A member fee for the University Co-op of JPY 5,000 is also required but will be reimbursed at the end of the Master’s program. (*The costs of the insurance fee and the member fee for the University Co-op are subject to change.)
All the enrolling students are required to join the Student Liability Insurance Program in addition to the Students Education and Research Accident Insurance.
(2) Privately Financed Students:
b. Double Degrees from Home Institution and TUAT (DDP)

1. Applicants
   For DDP, those who already admitted to a foreign graduate school which signed an agreement of DDP with TUAT.

2. Nationality
   Non-Japanese citizen.

3. Age
   No restriction.

4. Academic background
   Applicants must be a graduate of a Japanese university or have academic abilities equivalent to or greater than that of a Japanese university graduate. Eligible applicants other than those who have graduated from Japanese universities are defined as follows:
   1) Applicants who have completed (or expected to complete) 16 years of school education outside Japan.
   2) Applicants who have completed 3 years or more for bachelor degree course and have earned or will earn bachelor degree from university or equivalent school outside of Japan. ※Those who have under the Academic background 2) need to contact the prospective supervisor until February 5, 2020.
   3) Applicants who have been recognized as having equal academic ability to university graduate level by TUAT in individual entrance qualification screening process. And applicants who have reached (or expected to reach) 22 years of age.

5. Health
   Applicants should be in good mental and physical health.

6. Language skill
   Applicants are required to fulfill at least one among the following English proficiencies.

1) A score of qualification or examination test equal to or more than B2 equivalent of Common European Framework of Reference for Languages (CEFR) in English at the enrollment.
2) Applicants who completed the curriculum that satisfies entrance qualifications for Japanese graduate school master's or doctoral course (previous term) or doctoral course (late term) in English as the main language.
3) Applicants who are evaluated by TUAT that they have the above 1) English proficiency or higher.
7. Arrival in Japan
   Applicants must arrive by the date specified by TUAT.

8. Remarks
   1) Admission shall be canceled if a candidate who expected to graduate failed his/her graduation until the end of September 2020.
   2) For students regarding “4 Academic background 3)”, in case the candidate has less than 16 years of school education, evaluation is required prior to the admission. Please inform your prospective supervisor at TUAT by February 5, 2020.

Application Procedure

   All the applicants must apply upon the acceptance from prospective supervisor after the discussion for your enrollment.

1) Submittal of application
   All the documents should be sent by a registered mail to the prospective supervisor. The application period is 1 July to 4:00 PM 21 August, 2020.

2) Documents to be submitted
   (1) 2020 academic year application form (use enclosed form)
   (2) Field of your major and research plan (use enclosed form)
   (3) An Abstract of either Bachelor’s or Master’s thesis, or equivalent paper in Japanese or English within 600 words.
   (4) Either a graduation certificate or a corresponding certificate issued by the applicant’s school indicating that the applicant will be graduating from undergraduate or master’s programs, which applicant lately graduated or graduating. A transcript of academic record and a degree certificate of undergraduate or master’s programs that is issued by university authorities, which applicant lately graduated or graduating.
   (5) A certification that shows the applicant’s birth, nationality, citizenship, or residence in the applicant’s home country such as a transcription of domiciliary register or a proof of citizenship.
   (6) A letter of recommendation, by the dean or head of the applicant’s affiliated institution. This letter is addressed to the president of Tokyo University of Agriculture and Technology. Please use the envelope issued by your university and an official seal of your university.
   (7) Course taking schedule sheet
   (8) Original certificate for language
      (e.g. TOEFL, IELTS etc.)
      (If the applicant does not have a certificate to prove your language skills, please contact the prospective supervisor as soon as possible.)
   (9) A Certificate of health (use enclosed form and this certificate should be obtained within the past 6 months before the submission.)
(10) A photocopy of passport (If you have already your passport. The Pages where the name and the photograph can be identified)

(11) Your photograph of passport size (4.5cm by 3.5cm), showing a clear front-faced, up-from-bust, bare-headed picture, taken within 6 months of the application date. Name and nationality should be printed on the back side. Photograph should be attached to the designated place of the application form.

3) Remarks
i) All the documents should be typewritten in either English or Japanese and printed in A4 size with enclosed form.
ii) The submitted documents will not be returned.
iii) All documents should be correctly completed and submitted before the deadline. Documents submitted after the deadline and incomplete applications will not be considered.
iv) The documents and form is possible to change.

4) Screening and Aim of this Special Program
i) The screening will be conducted based on the submitted documents in “Application Procedure”.
ii) The successful applicants are selected on a faculty meeting of Tokyo University of Agriculture and Technology and the notification of acceptance will be sent by the supervisor directly by the end of September, 2020.
iii) The classes and instruction is conducted in English mainly and this program offers a Master of Agriculture or a Master of Philosophy within 1 year. The enrollment identification is a full time master course student.

5) Cost of Insurance at the Enrollment
The students have to purchase casualty insurance for educational activities by students.

i) Personal injury insurance which insures them against unforeseen accidents and injuries (but not illnesses) sustained in curricular (in class) activities, at school events, during club activities, or while they are in or on their way to or from a university facility. The expense is JPY 1,000 Japanese Yen for 1 year.

ii) Student Liability Insurance Program which will provide compensation in the event that the student injures another person or damages another person’s property during the course of teaching training, care practice, internship, volunteer activities, off-campus research (surveys, tours, training), museum curator training, or extracurricular activities (such as overnight field trips and expeditions). All the enrolling students are required to join the Student Liability Insurance Program in addition to the Students Education and Research Accident Insurance. The cost of the both insurance is JPY 1,800 for 1 year. Also a member fee for the University Co-op of JPY 5,000, which will be reimbursed at the end of the Master’s program, is required. The costs of the insurance fee and the member fee for the University Co-op are subject to change.
References for All Applicants

i) Upon enrollment before arrival in Japan, students are advised to obtain information about climate, customs, manners, and other cultural aspects of Japan. It is strongly suggested to learn Japanese language for ease of life in Japan.

ii) Please refer to TUAT website (http://web.tuat.ac.jp/~ieas/) or another book about TUAT.

iii) Use of personal information given on the application will be restricted by obeying the privacy policy of the University.

iv) If you have any inquiry about these application requirements, please contact the address below by documents.

Postal address:
Educational Affairs Section II of Fuchu Student Support Office
Graduate School of Agriculture
Tokyo University of Agriculture and Technology
3-5-8 Saiwai-cho, Fuchu-shi
Tokyo 183-8509 JAPAN
MAIL: a-nyushi@cc.tuat.ac.jp