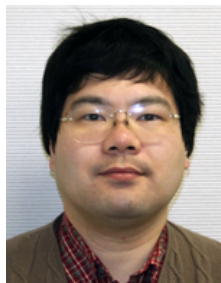


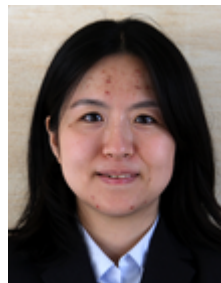
Office for Planning and Management



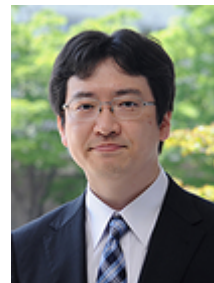
Kazuaki Yamauchi
Senior Associate Professor



Junya Terazono
Associate Professor



Kyoko Okudaira
Associate Professor



Yasuhiro Abe
Associate Professor

Office for Planning and Management (OPM), headed by the University President, was established at the start of the University of Aizu as an internal research organization to carry out implementing the following assignments of the University:

- General investigative research concerning university functions
- Performing general program planning and design regarding university education and research
- International exchange
- Public relations and publications
- Legal affairs
- Local arrangement of international conference
- Other necessary matters concerning administrative management

As the University develops, the expectations for the OPM have been changing from time to time. After the corporatization, in 2008, dealing with the matters of special mission given by the regents of the University was added to its functions. However, collaborating with other organizations of the University for the advancement of its education and research always remain the most important mission of the OPM.

For education and coalition with high schools and junior high schools as well as local community, the OPM is planning and arranging “Science Cafe”, a scientific

talk session with small number of general citizens (20 to 30 persons in most cases). Additionally, collaboration with several high schools, especially ones which have SSH (Super Science High School) course, has been carried out. These activities can be good opportunities for the University to increase the name recognition.

Kazuaki Yamauchi is assigned to serve as Director-General of Department for Student Affairs. His main work is to recruit prospective students by visiting high schools all over Japan and attending career counseling meetings for high school students held in major cities in Japan. In addition, he visits various IT related companies in Tokyo metropolitan area to solicit jobs for graduating students and also invite those companies to the campus for their recruitment. He is responsible for management of entrance examinations and admissions of the university. His current research theme is “Research on admission methods to secure the superior new students in accordance with university admission policy”.

The main work of Kyoko Okudaira, concurrent assignment with CAIST, was personnel matters of fresh hiring and education collaboration with high schools and junior high schools.

Junya Terazono, concurrent assignment with CAIST, worked for Annual Review compilation. He was also busy for so many public lectures, events nationwide, media appearance and on-site lecture (Demae-Kogi) which will contribute spreading name of the University. He also engaged in CAIST-related management work, including setup of CAIST meetings, support of CAIST Manager and many kinds of minute yet essential management work including preparation of meeting minutes.

Yasuhiro Abe supports faculty and students to apply for external grants, especially international collaboration and research fellowship programs of the Japan Society for the Promotion of Science.

All members of OPM worked collaboratively and proactively for the realization of better University research and education.

Refereed proceedings of an academic conference

[terazono-405-071-01:2017] J. Terazono and S. Bhalla. WISE-CAPS 1 to 2: Evolution of System for Lunar Surface Exploration. In *BASE 2017 (3rd International Symposium on Big Data Analytics in Science and Engineering)*, November 2017.

This paper describes the evolution of the system of Lunar and Planetary Data browsing, analyzing, sharing system called as “WISE-CAPS” (Web-based Integrated Secure Environment for Collaborative Analysis of Planetary Science). The WISE-CAPS 2 inherits merits and advantage of older system, WISE-CAPS 1, with several system improvement such as system virtualization and fine tuning. This paper reports the outline of the new system and future prospective.

[terazono-405-071-02:2017] J. Terazono, S. Sakamoto, M. Yoshikawa, N. Wakabayashi, J. Watanabe, and The Moon Station operating team. Moon and Planets Exploration Outreach in IT Era - 20 years’ Challenge in The Moon Station. In *Communicating Astronomy With Public 2018, Fukuoka*. International Astronomical Union (IAU), March 2018.

We operated the website called “The Moon Station” which introduces information on domestic and worldwide lunar and planetary exploration. This website welcomes 20 years’ anniversary on November 2, 2018. We summarize here our history of web operation and management and address future direction of Internet-based publication of lunar and planetary exploration outreach.

[yamauchi-405-071-01:2017] Kazuaki YAMAUCHI Atsuko YAMAZAKI Sayoko ODA. An example of global skill assessment at an American engineering university. In *2017 JSEE Annual Conference*, 2017.

In the United States since the 1990s, global citizenship training has been advocated as an educational policy, and universities are also required to foster core competencies and skills related to their education. The Rose - Hulman Institute of Technology (RHIT) is known for its high average reputation for undergraduate education and graduates. In this paper, we also describe RHIT ’s soft skill assessment and electronic portfolio, and also the engineering education practice that the University of Aizu has done in collaboration with RHIT.

Unrefereed proceedings of an academic conference

[terazono-405-071-03:2017] J. Terazono. Lesson Learned from the publication on the Internet. In *Annual Conference on The Japan Society for Astronautical and Space Sciences 2017*, August 2017.

This paper describes my 20 years' experience and lessons derived from this activity of the Internet-based public outreach in astronomy and lunar and planetary exploration area.

[terazono-405-071-04:2017] J. Terazono. Lunar and Planetary Exploration Outreach as a Business - For the Long-Term Growth -. In *The 61th Space Sciences and Technology Conference*, October 2017.

This paper shows my recent attempt of management of public outreach as a business. I show the current result of this attempt and show the future trends and current problems.

[terazono-405-071-05:2017] J. Terazono and J. Saito. The Situation Around Domestic and Worldwide Space Resources Exploration. In *The 61th Space Sciences and Technology Conference*, October 2017.

We continuously presented the latest situation of space resources exploration in this Conference as a "fixed-point observation". This is its newest version including advancement of lunar resources utilization. We also address current issues and problems to be solved for sustainable growth of this area.

[yamauchi-405-071-02:2017] Yasuhiro Abe and Kazuaki Yamauchi. International strategy of the University of Aizu. In *20th JAHHER Annual Meeting*, 2017.

University of Aizu recruited outstanding researchers from all over the world. As a result, an unprecedented system was completed in Japan, in which the majority of faculty members are occupied by foreign faculty members in April 9, 1939. Even today in 2017, the proportion of foreign faculty members at Aizu University is very high, at less than 40 percent. Of the 107 teachers, 39 foreign teachers account for about 40 percent of the total (as of May 1, 2016). Country of origin is diverse, and from faculty of Russia, China, USA etc. from 16 countries are collecting teachers / researchers working on advanced research of computer science and engineering. English is used as an official language in campus. Computer science and engineering is a discipline in which many of the thesis and technical terms are transmitted in English, and English is indispensable to capture cutting edge technology trends. The University of Aizu was adopted solely as a project for strengthening the Ministry of Education, Culture, Sports, Science and Technology's International Strategy Headquarters, and based on it,

Summary of Achievement

established the International Strategy Headquarters in 2005 and supports it to facilitate exchange with researchers from domestic and overseas . In 2014, it is adopted as the Ministry of Education, Culture, Sports, Science and Technology super globally university creation support (type B: global leadership type) and aims to produce innovative ICT talent active in the world by the 'heart, skill, body' trinity. We are also promoting a strategy to actively acquire international students from overseas by preparing all English courses triggered by being certified by Super Global University. In this thesis, we follow the transition of internationalization of the University of Aizu and discuss how to proceed internationalization in the future.

[yasu-abe-405-071-01:2017] Yasuhiro ABE and Kazuaki YAMAUCHI. International strategy of the University of Aizu. In *The 20th Japanese Association of Higher Education Research Annual Meeting*. The 20th JAHER Annual Meeting Committee, May 2017.

Academic society activities

[terazono-405-071-06:2017] Managing Committee member, Northern Japan Branch, The Japan Society for Astronautical and Space Sciences, 2017

[terazono-405-071-07:2017] Manager, Tohoku Branch, The Japan Society for Astronautical and Space Sciences, 2017

[yamauchi-405-071-03:2017] Kazuaki Yamauchi, 2017.

He was acting as a Vice Chair of IEEE PCSJ.

[yasu-abe-405-071-02:2017] Yasuhiro ABE, May 2017.

Committee Member of the 20th Japanese Association of Higher Education Research Annual Meeting.

Contributions related to syllabus preparation

[yasu-abe-405-071-03:2017] Following course planning, a syllabus becomes the Practical Approach to Learning the Enterprise Distributed Web Infrastructure

Contribution related to toward equipment management, classroom management, building management, and crime or fire prevention.

[yasu-abe-405-071-04:2017] Squad Chief of the research quadrangles in the disaster prevention team

Advisor of a student club or circle

[yamauchi-405-071-04:2017] Advisor of Table Tennis Club

[yasu-abe-405-071-05:2017] Advisor to the University Wind Orchestra

Contribution related to faculty personnel (outside scouting, etc.)

[okudaira-405-071-01:2017] note = Recruiting new faculty members

Contribution related to the building or operation of the university computer system

[terazono-405-071-08:2017] ISTC steering committee member

[terazono-405-071-09:2017] ISTC procurement specification document subcommittee member for computer system

[terazono-405-071-10:2017] ISTC procurement specification document subcommittee member for network system

Contribution related to on-campus/off-campus publicity work

[terazono-405-071-11:2017] Public Relations committee, Web sub-working-group member

[terazono-405-071-12:2017] Off-Campus Public Lecture: “Asteroid Impact on Earth: What We Can Do and What We Should Do”, The first lecture on the Senior College, Haramachi Lifelong Learning Center, Minami-Soma, Fukushima, May 24, 2017

[terazono-405-071-13:2017] Off-Campus Lecture for High School Student: “Hot Year of the Lunar Exploration 2017!: The Future of The Moon Exploration”, Hirosaki-Minami High School, Hirosaki, Aomori, May 25, 2017

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- [terazono-405-071-14:2017] Public Event: “Yajiken and Terakin’s Let’s See the Total Eclipse!”, Astronomy Pub 2017 June Stage, Mitaka Network University, Mitaka, Tokyo, June 17, 2017
- [terazono-405-071-15:2017] Off-Campus Lecture for High School Student: “The Secrets Not to Be Cheated by Conspiracy Theories: Apollo Landing Hoax as The Example”, Minami-Aizu High School, Minami-Aizu, Fukushima, July 7, 2017
- [terazono-405-071-16:2017] Off-Campus School Lecture: “Apollo to Hayabusa: The Human Go the Beyond”, ISTS Pre-Event (One-Day Onsite Lecture), Kita-Yoshii Elementary School, Toon City, Ehime, July 11, 2017
- [terazono-405-071-17:2017] Off-Campus School Lecture: “Exploring the First Star of Evening: Venus and Akatsuki, the Venus Explorer”, ISTS Pre-Event (One-Day Onsite Lecture), Mitsuhamma Elementary School, Matsuyama City, Ehime, July 12, 2017
- [terazono-405-071-18:2017] Off-Campus School Lecture: “The Moon and the Lunar Exploration: Hot Year of Lunar Exploration!”, ISTS Pre-Event (One-Day Onsite Lecture), Kikuma Junior High School, Imabari City, Ehime, July 12, 2017
- [terazono-405-071-19:2017] Off-Campus School Lecture: “The Day of Manned Landing on Mars: The Way to Mars is Already on the Track”, ISTS Pre-Event (One-Day Onsite Lecture), Habu Elementary School, Matsuyama City, Ehime, July 13, 2017
- [terazono-405-071-20:2017] Public Short Introductory Remarks: “The Fukushima Star and Space Exhibition”, Fukushima Museum, Aizu-Wakamatsu, July 22 and 23, 2017
- [terazono-405-071-21:2017] Off-Campus Public Lecture: “Hot Year of the Lunar Exploration 2017!: Now the Humankind Targets the Moon”, The 5th Hayabusa Festival, Kakuda Space Tower (Cosmo-House), Kakuda City, Miyagi, September 10, 2017
- [terazono-405-071-22:2017] Off-Campus Public Lecture: “Hot Year of the Lunar Exploration 2017!: Now the Humankind Targets the Moon”, Starry Night Observation Event at “The Village of Madei”, Kikori (Iitate Stay Experience Facility), Iitate Village, Fukushima, October 21, 2017
- [terazono-405-071-23:2017] Public Lecture: “The Newest Information of Lunar Exploration: The Day The Japanese Stands on the Lunar Surface”, Starry Night Observation Event at “The Village of Madei”, Kikori (Iitate Stay Experience Facility), Iitate Village, Fukushima, October 21, 2017

Summary of Achievement

- [terazono-405-071-24:2017] Off-Campus Lecture for High School Student: “Enjoy Programming!: To Step One More Into Fun Computing”, Sukagawa Toyo High School, Sukagawa, Fukushima, December 7, 2017
- [terazono-405-071-25:2017] Off-Campus Public Lecture: “Hot Year of the Lunar Exploration 2017!: The Humans’ New Challenge to The Moon”, Cultural Lecture Night of Numata Kikyo Club, Dyran, Numata City, Gunma, February 7, 2018
- [terazono-405-071-26:2017] Off-Campus School Lecture: “Hot Year of the Lunar Exploration 2018!: The Humans’ New Challenge to The Moon”, Tokyo Seitoku University Junior and Senior High School, Kita-ku, Tokyo, February 9, 2018
- [terazono-405-071-27:2017] Public Event: “The Talk Show of The Moon: Take Me to the Moon!”, TeNQ (Tokyo Dome Space Museum), Bunkyo-ku, Tokyo, February 18, 2018
- [terazono-405-071-28:2017] Public Event: “After All, the Moon is the Best!: How Should We Move to The Manned Lunar Exploration?”, Loft Plus-One West, Chuo-ku, Osaka, March 17, 2018
- [terazono-405-071-29:2017] Off-Campus Public Lecture: “Back To The Moon 2018: The Humans’ New Challenge to The Moon”, Katsushika City Museum, Katsushika-ku, Tokyo, March 31, 2018
- [terazono-405-071-30:2017] Supervision: The 12th Special Exhibition “Over the Sailor Moon: An Invitation to Space”, TeNQ (Tokyo Dome Space Museum), Bunkyo-ku, Tokyo, December 15, 2017 to April 15, 2018
- [terazono-405-071-31:2017] Book Publication: “The Tale of The Moon That Makes You Awaken Overnight”, PHP Institute Paperback Series, January 5, 2018

Contribution related to planning administration for research, research conferences, or international research

- [terazono-405-071-32:2017] Operation of CAIST Managing Office
- [terazono-405-071-33:2017] Management of The 1st CAIST Symposium

Other significant contribution toward university planning, management, or administration

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[terazono-405-071-34:2017] Management of CAIST

[yasu-abe-405-071-06:2017] Member of the evaluation office

[yasu-abe-405-071-07:2017] Member of the committee for promotion of faculty development

Contributions related to regional education

[okudaira-405-071-02:2017] note = Advisor, Super Science High School, Aizu Gakuho Junior/Senior High School

Contribution toward education for employees of regional industries

[yasu-abe-405-071-08:2017] Seminar instructor organized by Fukushima Prefectural Police Department

[yasu-abe-405-071-09:2017] Delivery lecture for Cyber Security Attack Prevention Exercise Seminar

Other noteworthy contribution related to regional industries

[terazono-405-071-35:2017] Operation of LLC, Lunar and Planets

[yasu-abe-405-071-10:2017] Aizu Special School Councilor

Did you participate in students recruitment, support the alumni, and/or contact with student's parent? (Yes or No) If yes, please describe what you did.

[yamauchi-405-071-05:2017] Student recruitment activities in Malaysia and Singapore

In December 2017, we began recruiting new students in Southeast Asia as part of the top global university project. Initially I participated in JASSO sponsored Japan Study Abroad Fair (International Education Exhibition: Malaysia) sponsored by JASSO from December 2 to 3, and carried out advanced school counseling. On December 10, I participated in a briefing session at a Japanese university in Singapore

Summary of Achievement

(2017), held a presentation and advanced counseling. In addition, on December 11, we visited the high school of ISS International School and exchanged information with college adviser and introduced the university to students.

[yasu-abe-405-071-11:2017] Admission consultant in Open Campus 2017

[yasu-abe-405-071-12:2017] Admission consultant in University Festival 2017

[yasu-abe-405-071-13:2017] Yumenabi LIVE 2017 at Tokyo and Sendai

[yasu-abe-405-071-14:2017] Participated in briefing session for visitors from Ohtama Junior High School

[yasu-abe-405-071-15:2017] Participated in briefing session for visitors from Tokyo Gakkan Niigata High School

Did you participate in Faculty Development? (Yes or No) If yes, please describe what you did.

[yasu-abe-405-071-16:2017] Member of the committee for promotion of faculty development

Did you participate in Public Lectures, and/or Open Campus? (Yes or No) If yes, please describe what you did.

[terazono-405-071-36:2017] Live tweets of the Open Campus (Summer Stage)

[terazono-405-071-37:2017] Live tweets of the Open Campus (Autumn Stage)

[yasu-abe-405-071-17:2017] Delivery lecture for Koriyama Primary School Study Group, Information Education Division.

[yasu-abe-405-071-18:2017] Delivery lecture for Shirakawa Asahi High School.

[yasu-abe-405-071-19:2017] Delivery lecture for Oyama Nishi High School, Tochigi.

[yasu-abe-405-071-20:2017] Delivery lecture for Fukushima Technical High School

Research achievement that can be used for University-Industry collaboration and its characteristics.(for UBIC's information)

Summary of Achievement

[terazono-405-071-38:2017] Web-based publication, operation and management of Lunar and Planetary Outreach

Do you have experience of University-Industry collaboration? If yes, please describe your experience. (for UBIC's information)

[yasu-abe-405-071-21:2017] Working group member of automotive headunit security with Alpine Electronics, Inc.

[yasu-abe-405-071-22:2017] Support of Ideason and Hackathon sponsored by the Aizu General Holdings.