

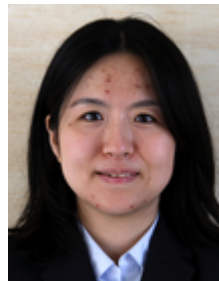
Office for Planning and Management



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.

Centers

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 creating Annual Review Editing system, the new generation system of Annual Review creation. He is also busy for approximately 40 public lectures, event 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.

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-405-071-01:2015] Y. Ogawa, Y. Hayashi, N. Hirata, J. Terazono, H. Demura, T. Matsunaga, S. Yamamoto, Y. Yokota, M. Ohtake, and H. Ootake. A Web-GIS for the Kaguya/Spectral Profiler data, “GEKKO” (moonlight in Japanese): toward the comprehensive mapping of the surface minerals on the Moon.

Unrefereed proceedings of an academic conference

- [terazono-405-071-02:2015] Y. Ogawa, Y. Hayashi, N. Hirata, J. Terazono, H. Demura, T. Matsunaga, S. Yamamoto, Y. Yokota, M. Ohtake, and H. Ootake. A Web-GIS “Gekko” (which means moonlight in Japanese): a viewer of the data from the Spectral Profiler onboard Kaguya. In *The 2015 Annual Planetary Geologic Mapping Meeting*, 2015.

- [terazono-405-071-03:2015] J. Terazono. 17 Years of The Moon Station: Past, Present and Future of Lunar and Planetary Exploration Outreach. In *Annual Meeting of The Japanese Society for Education and Popularization of Astronomy*, 2015.

- [terazono-405-071-04:2015] J. Saito, J. Terazono, F.Usui, T. Fuse, and R. Nakamura. Consideration for realizing asteroid resources explorations and exploitations. In *The 59th Space Sciences and Technology Conference*, 2015.

The principal purpose of this paper is to introduce the organized session “Space Resources” in this meeting, mainly describing what we have to consider for realizing asteroid resource explorations and exploitations, including environmental problems and legal aspects. In this talk, the speaker also mentions how we can construct sustainable research and development frameworks for space resource developments.

- [terazono-405-071-05:2015] J. Terazono, M. Onuki, R. Nakamura, and J. Saito. Situation Around Asteroid Resource Explorations - Overseas Asteroid Resource Prospect Missions -. In *The 59th Space Sciences and Technology Conference*, 2015.

Asteroid Resource Exploration, or Asteroid Mining (Prospection) is now underway at plural American private companies. Also, NASA is planning to pro-

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ceed the milestone mission “Asteroid Initiative” to promote American space exploration and space development. The mission is now taking shape and entering into detailed examination process. This paper introduces the trend of Asteroid Resource Exploration as well as related missions mainly in The United States, and state issues behind the movement.

[terazono-405-071-06:2015] J. Terazono, S. Sakamoto, M. Yoshikawa, N. Wakabayashi, J. Watanabe, and The Moon Station steering team. Users’ Liking in Space and Astronomy from Analysis of Web Site Access - The Moon Station as an Example -. In *The 59th Space Sciences and Technology Conference*, 2015.

Log analysis of web server is one of the most powerful way for analyzing users’ likings and trends of website visiting. The Moon Station, one of the largest website of Japanese and world lunar and planetary exploration, have nearly 17 years’ history of operation and related log analysis. In this paper, we describe some example of basic log analysis obtained by access for this website and consider users’ likings and trends seen from the result of analysis.

Academic society activities

[terazono-405-071-07:2015] J. Terazono, 2015.

Managing Committee member, Northern Japan Branch

[terazono-405-071-08:2015] J. Terazono, 2015.

Manager, Tohoku Branch

Advisor for undergraduate research and graduate research

[terazono-405-071-09:2015] Hiroaki Kato. Implementation of User Authentication and Its Application Using OpenLDAP for Lunar and Planetary GIS, The University of Aizu, 2016.

Thesis Advisor: J. Terazono and N. Hirata

[terazono-405-071-10:2015] Kazuki Hidaka. Implementation Information Sharing for Space-Related Events in SEIMS: Space-Related Event Information Management System, The University of Aizu, 2016.

Thesis Advisor: J. Terazono and N. Hirata

Others

[terazono-405-071-11:2015] H. Demura, K. Okudaira, Y. Ogawa, J. Terazono, , and N. Hirata. Public outreach of Deep Space Exploration through Science Cafes and Lectures, April 2015.

The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (Prizes for Science and Technology: Public Understanding Promotion Category), Public outreach of Deep Space Exploration through Science Cafes and Lectures

Contributions related to syllabus preparation

[yasu-abe-405-071-01:2015] Following course planning, O03-001 Practical Approach to Learning the Enterprise Distributed Web Infrastructure.

Advisor of a student club or circle

[yasu-abe-405-071-02:2015] Advisor of the University Wind Orchestra

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

[terazono-405-071-12:2015] ISTC steering committee member

[terazono-405-071-13:2015] ISTC procurement specification document subcommittee member for computer system

[terazono-405-071-14:2015] Creation of Annual Review Editing system

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

[terazono-405-071-15:2015] Public Relations committee, Web sub-working-group member

[terazono-405-071-16:2015] Public Lecture, “Living as a Researcher - Living Style for Coming a Dream to Truth and Going Forward to Dream”, Showa Elementary School (Setagaya, Tokyo), May 1, 2015

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- [terazono-405-071-17:2015] Exhibition: The Moon and Sun, Konica Minolta Plaza (Shinjuku, Tokyo), May 2, 2015
- [terazono-405-071-18:2015] Public Lecture, “Hot Information on Small Bodies Exploration of The Solar System - Hayabusa2, New Horizons and OSIRIS-REx”, Japan Spaceguard Association Annual Assembly: The 19th General Lecture, Hamagin Children’s Space Science Museum (Yokohama, Kanagawa), June 7, 2015
- [terazono-405-071-19:2015] Internet Live Coverage, “5th anniversary of Hayabusa’s return”, Nikoniko Live, June 13, 2015
- [terazono-405-071-20:2015] On-Site Lecture: “The Importance of Small Bodies Exploration of The Solar System: What The Little Prince World Tells Us”, Sano-Higashi High School (Sano, Tochigi), June 19, 2015
- [terazono-405-071-21:2015] Public Event: “Terakin and Yajiken’s Wonderful Talk on The Moon and Sun”, Science Live Show “Universe”, Science Museum (Chiyoda, Tokyo), July 4, 2015
- [terazono-405-071-22:2015] Public Lecture: “New Horizons is Approaching to Pluto! - The Newest Information on Small Bodies Exploration”, The 7th assembly of Sky Guides and Fukushima Astronomy Fans Meeting, Sakurako Nature Observation Station (Miharu, Fukushima), July 12, 2015
- [terazono-405-071-23:2015] Public Event: “The Power to Realize A Dream To Reality: Forza Hayabusa2!”, Aizu Sora-no-kai (Aizu Space Fun Society), Auditorium, The University of Aizu, July 19, 2015
- [terazono-405-071-24:2015] Science Cafe: “The Space Explorers Scouting The Universe - Pluto, Hayabusa2 and Fukushima -”, Ina-Cafe (Inawashiro Science Cafe), The University of Aizu, July 26, 2015
- [terazono-405-071-25:2015] Off-Campus Public Lecture: “Asteroid Mining Now Taking Its Shape: Latest Situation of Asteriod Mining Examination in The United States and Its Issues”, Iwahashi Lawyer’s Office (Minato, Tokyo), August 5, 2015
- [terazono-405-071-26:2015] Public Event: After-talk, The Performance “Hayabusa Monogatari” (A Hayabusa’s Story), Ono-Minami Community Center (Sagami-hara, Kanagawa), August 14, 2015
- [terazono-405-071-27:2015] Off-Campus Public Lecture: “Quick Guide to Hayabusa2 - The All of Hayabusa2 in One Hour -”, Miharu Midori-so (Support Center for Eldary People, Evacuation Facility of Katsurao Village), August 23, 2015

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- [terazono-405-071-28:2015] TV Appearance: Shiten Ronten (Views and Points), “Beyond Pluto, Beyond The Roman”, NHK (Japan Broadcasting Corporation), August 25 (E-tele, NHK Educational Channel), September 22 (NHK Ground)
- [terazono-405-071-29:2015] Science Cafe: “The Terakin Tonight! Front and Back Stage of Japanese Space Exploration”, HOSANNNA Eki-Kita Branch, Science Cafe Hyogo in Himeji and the 40th Science Cafe Harima (Himeji, Hyogo), August 28, 2015
- [terazono-405-071-30:2015] Public Lecture: “Hayabusa and Hayabusa2, and beyond - The Introduction to Planetary Exploration: The Road to Hayabusa2, and Beyond”, The 54th Japan SF Convention “Komekon”, Yonago Culture Hall “Bigship” (Yonago, Tottori), August 29, 2015
- [terazono-405-071-31:2015] Lecture: “Professor Terakin’s Space School: The Achievement of Japanese Lunar and Planetary Exploration, and Future”, Yonago Children’s Culture Center (Yonago, Tottori), August 30, 2015
- [terazono-405-071-32:2015] On-Site Lecture: “Computer, Space and Research: What We Can Do and Should Do at The University”, Ibaraki Chuo High School (Omitama, Ibaraki), September 16, 2015
- [terazono-405-071-33:2015] Evaluation Committee member: The 6th International Scientific Movies Festival (Dome Movies), Koriyama Space Science Museum (Koriyama, Fukushima), September 24, 2015
- [terazono-405-071-34:2015] Public Lecture: “The Challenge of Akatsuki, The Venus Explorer”, Gunma Astronomical Observatory (Takayama, Gunma), October 3, 2015
- [terazono-405-071-35:2015] On-Site Lecture: “Let’s Go To The Space! Now and Future of the Space Exploration in 50 minutes”, Aizu-Gakuho Junior High School, The University of Aizu, October 13, 2015
- [terazono-405-071-36:2015] Public Lecture: “How to Deliver the Information Delivery: Delivering My 20 Years’ Experience of Lunar and Planetary Exploration Outreach to You”, Gunma Astronomical Observatory (Takayama, Gunma), October 24, 2015
- [terazono-405-071-37:2015] On-Site Lecture: “Computer, Space and Research: What We Can Do and Should Do at The University”, Ohta Dai-Ichi High School (Hitachi-Ohta, Ibaraki), October 30, 2015

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- [terazono-405-071-38:2015] Public Lecture: “Great Success of Lunar and Planetary Explorers and Importance of Asteroid Observation”, Bisei Spaceguard Center (Ibara, Okayama), November 7, 2015
- [terazono-405-071-39:2015] Public Lecture: Special Lecture for The 2th Space Architecture Award: “The Future of Japanese Lunar and Planetary Exploration, Public Relations and Outreach”, Shonan Campus, Tokai University (Hiratsuka, Kanagawa), November 14, 2015
- [terazono-405-071-40:2015] Event: “Planetarium after work - Starry Sky Talk: The Space Which Hayabusa2 is Going Toward
- [terazono-405-071-41:2015] Public Lecture: “How To Live on The Space? For The Future Which We Can Live on The Moon and Mars”, Coordination Squad Leaders’ Meeting Of YAC (Young Astronauts Club Japan), National Olympics Memorial Youth Center (Shibuya, Tokyo), November 21, 2015
- [terazono-405-071-42:2015] Public Lecture: “The Future of Lunar Exploration of Japan and The World”, Space x High School Student - 100 Peoples’ Summit - headed by TELSTAR, National Museum of Emerging Science and Innovation (Miraikan) (Koto, Tokyo), November 23, 2015
- [terazono-405-071-43:2015] On-Site Lecture: “Tips Not To Be Fooled by Conspiracy Theory: How We Recognize Moon Conspiracy Theory”, Taisei Women’s High School (Mito, Ibaraki), December 7, 2015
- [terazono-405-071-44:2015] On-Site Lecture: “How to Swim the Ocean of Information? - The Right Way of Information Retrieval in IT era”, Seiryō High School (Fuji-nomiya, Shizuoka), December 9, 2015
- [terazono-405-071-45:2015] Off-Campus Public Lecture: “Lunar Science Starting From Apollo Conspiracy Theory”, Kobe College High School (Kobe, Hyogo), December 15, 2015
- [terazono-405-071-46:2015] Media Appearance: “Timeline”, TOKYO FM, January 20, 2016
- [terazono-405-071-47:2015] Public Lecture: ‘Let’s Go To Mars! - The Day Humans Reach The Red Planet -’, The Chamber of Abukuma Romantic Road Promotion, The 1st Community Center of Kawauchi Village (Kawauchi, Fukushima), February 8, 2016

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[terazono-405-071-48:2015] TV Appearance: Shiten Ronten (Views and Points), “The Dream for Mars”, NHK (Japan Broadcasting Corporation), February 18, 2016

[terazono-405-071-49:2015] Public Lecture: “From Hayabusa To Hayabusa2: The New Challenge for The Asteroids”, Children’s University Mito (Mito, Ibaraki), March 5, 2016

[terazono-405-071-50:2015] Public Lecture: “From Hayabusa To Hayabusa2: Investigating The Asteroids”, General Assembly of Mizuki-no-Sato Afforestation Committee, Kita-Aizu Mizuki-no-Sato Narita-ya (Aizu-Wakamatsu, Fukushima), March 10, 2016

Other significant contribution toward university planning, management, or administration

[terazono-405-071-51:2015] Hirohide Demura and Kyoko Okudaira and Yoshiko Ogawa and Junya Terazono and Naru Hirata: Increase of Understanding for Deep Space Exploration through Science Cafe and Public Lectures: The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Prizes for Science and Technology, Public Understanding Promotion Category

[yasu-abe-405-071-03:2015] A member of the Committee for Promotion of Faculty Development

Other noteworthy contribution related to regional industries

[yasu-abe-405-071-04:2015] A member of the Aizu Special Needs Education School Council.

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.

[yasu-abe-405-071-05:2015] Participation in the student recruiting events at Tokyo and Sendai called Yume-navi.

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[yasu-abe-405-071-06:2015] Visiting guidance counselor office of 24 high schools nearby prefectures.

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

[terazono-405-071-52:2015] Reestablishment Support for Okuma Town: Lecture on The Sun and The Moon, Kumamachi Elementary School and Ohno Elementary School, September 2, 2015

[terazono-405-071-53:2015] Reestablishment Support for Okuma Town: Lecture on Renewable Energy, Kumamachi Elementary School and Ohno Elementary School, February 15, 2016

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

[yasu-abe-405-071-07:2015] Participation in the project collaborated with Alpine.