

平成28年度研究成果報告書

1. 研究ステーション名

The Research Station for Innovative and Global Tertiary English Education (IGTEE)

電気通信大学イノベーティブ理工系英語教育研究ステーション

研究代表者名: 共通教育部・教授 Shi Jie (史傑)

2. 研究組織 (今年度関わった全ての構成員を記してください。)

<学内構成員>

電気通信大学 大学院情報理工学部「技術英語」特任准教授橋本信一

電気通信大学 大学院情報理工学研究科 共通教育部 教授 Jeffreys Atsuko M.

電気通信大学 大学院情報理工学研究科 共通教育部 准教授上原寿和子

電気通信大学 大学院情報理工学研究科 共通教育部 教授西村芳康

<学外構成員>

多摩大学 YU Yan

東洋大学 Uma Maheswari Rajagopalan

筑波大学 Sonia Sharmin

東海大学 John Cross

多摩美術大学 Paul McKenna

中央大学 Robert Moreau

国際基督教大学 Zhan Haiyan

首都大学東京人文科学研究科 (博士後期課程) Meng Ying

3. 平成28年度の研究の特筆すべき成果

The Research Station for Innovative and Global Tertiary English Education (IGTEE) has enjoyed another active year. The biggest highlight was co-organizing the Joint International Conference on ESP in Asia 2016 in August. This was the first time that this conference took place in Japan with approximately half of the participants attending from overseas. This conference provided numerous opportunities to establish and renew bonds of friendship in a network to promote ESP throughout the world. Besides this conference, we held four regular chapter meetings in May, July, November and January with presentations on the theme of English for Business Purposes (EBP). In September, we presented a poster about our chapter at the 55th JACET International Convention in Sapporo, and in March, we will publish Volume 18 of our Annual Report. Details including abstracts and bios of presenters, back issues of the annual report as well as the most recent Call for Papers for our journal can be found on our chapter webpage (<http://jacet-esp-kanto.org/>). All are welcome to browse through our past publications and check

the details of our activities of the past and the future. As for 2017, our chapter will focus on the two themes of EAP and tourism. We are planning 3 or 4 chapter meetings for the year as well as issuing another volume of our Annual Report.

4. 平成28の研究成果の公表実績 (主催した研究会・シンポジウム、研究成果の発信状況等)

4.1 IGTEE Research Seminar 1 co-organized with JACET ESP SIG Kanto Chapter: May 28, 2016

Venue: University of Electro-Communications (UEC Tokyo), Building East 1-602

Program: Research discussion and planning annual events

4.2 IGTEE Research Seminar 2 co-organized with JACET ESP SIG Kanto Chapter: Jul 2, 2016

Venue: Saitama University, Lecture Building 1-201

Program:

Presentation 1 by John Reilly

- Presenter: John Reilly, Asia Business Development for Observatory Group, Japan
- Title: *Course Development of EBP Classes for Japanese Universities*

Presentation 2 by Sophia Butt

- Presenter: Sophia Butt, Birmingham University, UK
- Title: *Authentic EBP Course Design – Key Considerations*

4.3 IGTEE Research Seminar 3 co-organized with JACET ESP SIG Kanto Chapter: Nov 13, 2016

Venue: University of Electro-Communications (UEC Tokyo), Building East 1-705

Program:

Invited Presentation by Kevin Knight

- Presenter: Kevin Knight, Kanda University of International Studies
- Title: *Conceptualizations of ESP in the ESP Interest Section of TESOL International Association*

Experience Sharing of JACET National Convention and other conferences

4.4 IGTEE Research Seminar 4 co-organized with JACET ESP SIG Kanto Chapter: Jan 21, 2017

Venue: Tokai University, Yoyogi Campus, Building 4-4201

Program:

Invited Presentation by Philip McCasland

- Presenter: Philip McCasland, Fukushima University
- Title: *Teaching Entrepreneurship: Policy, Framework, Method, Practice*

4.5 Inaugural Meeting & Conference of ESP Korea Oct 22, 2016

Venue: Seoul, South Korea

Keynote Presentation: Building curricular cohesion in undergraduate and graduate ESP programs: Needs negotiation of all stakeholders. By Shi Jie.

Presenter: Shi Jie

4.6 The 5th National Conference of the Chinese Association for ESP Nov 19, 2016

Venue: Kunming, China

Keynote Presentation: Developing and teaching ESP courses for graduate students of science and engineering in Japan: Challenges and successes

Presenter: Shi Jie

4.7 The Joint International Conference of the 8th International Conference on ESP in Asia & the 3rd International Symposium on Innovative Teaching and Research in ESP

Venue: University of Electro-Communications (UEC Tokyo, August 19th-21st, 2016

- **Presentation:** Peer Evaluation on Student Team Teaching (STT): A case study of Cooperative Learning and co-construction of knowledge in ESP.
By Shi Jie, Yu Yan and Zhan Haiyan, August 20th.
- **Presentation:** Incorporating the Needs of Subject Specialists in Curriculum Design of an ESP Program: The experience of a Japanese university of science and engineering.
By Shi Jie, August 20th.
- **Presentation:** Corpus-Based Analysis of the RA Genre: The "Conclusion" sub-genre.
By Sebastien Louvigne and Shi Jie, August 21st.
- **Presentation:** The Effectiveness of Genre-Based instruction on Abstract Writing for Japanese Graduate Students of EST.
By Jonathan Derr and Shi Jie, August 21st.
- **Presentation:** Peer Assessment of Student Academic Presentations in a Graduate EST Course in Japan.
By Shi Jie and Jonathan Derr. August 21st.

4.8 ICAMechS 2016 : International Conference on Advanced Mechatronic Systems, Nov 30-Dec 2, 2016

Venue: Melbourne, Australia.

- **Invited Presentation:** Bridging ESAP and Disciplinary Needs in an English Curriculum for Advanced EST Undergraduate Students in China.
By Shi Jie, Yue Zhang, Ling Fu, Jurgen Kurths and Shuhua Xu, December 2nd.
- **Invited Presentation:** Data-Driven Analysis of Linguistic Features of Research Articles on Optics.
By Sebastien Louvigne and Shi Jie, December 2nd.
- **Invited Presentation:** Common Errors in Research Presentation Slides of Japanese Graduate

Students.

By Shi Jie and Yoshimasa Ono, December 2.

- **Invited Presentation:** Adopting a SFL-oriented approach for evaluating genre-based academic abstracts of EST undergraduate students in Japan.

By Uma Maheswari Rajagopalan and SHI Jie, December 2..

5. 「招待講演発表」：発表者(代表)名・発表標題・学会等名・発表年月日・発表場所

5.1 HUST Center for Foreign Languages Education and Research Seminar

Venue: HUST Center for Foreign Languages Education and Research, China.

- **Invited lecture:** EAP-ESP Curriculum and Course Design.
By Shi Jie, September 16th.
- **Invited Lecture:** Active learning for tertiary English education in EFL context.
By Shi Jie, September 29th.
- **Invited Lecture:** Empowering GE Teachers with ESP Approach and Action Research.
By Shi Jie, December 25th.

5.2 DAFLS ESP Seminar and Workshop, Nanjing, China, Dec 11-12, 2016

Workshop by Shi Jie:

- Development of Teaching Materials (in ESP)
- Curriculum Development and Course Design (in ESP)
- Introduction to EAP/ESP as a Teaching Approach in EFL Contexts
- Innovative Teaching Methodology and Pedagogy (in ESP)
- Student Assessment and Course Evaluation (in ESP)
- Teacher Training and Faculty Research Development (in ESP)

5.3 Shantou University Business School FD Seminar Dec 21, 2016

Venue: Shantou University Business School, Shantou, China.

Workshop: Enhancing Learning and Teaching through Effective Assessments.

By Shi Jie, December 21st.

5.4 Takachiho University, Symposium, Feb 21, 2017

Venue: Takachiho University, Tokyo

Symposium on Business English: Now and Tomorrow

Organizer: JSPS KAKENHI Grant (26284082): Autonomous Genre-Based English Learning Platform for Global Businesspeople: Design and Evaluation.

(Main representative: Hajime Terauchi of Takachiho University)

By Shi Jie and Yoshimasa A. Ono, February 21st

6. 発表論文等（各項目ごとに記載してください。）

「雑誌論文」：著者名・論文標題・雑誌名・査読の有無・巻・発行年(西暦)及びページ

- Sébastien Louvigné and SHI Jie. Data-Driven Analysis of Linguistic Features of Research Articles on Optics. ICAMechS 2016 Proceedings/Conference Book. Refereed/Peer Reviewed. 2016. 516-520.
- Uma Maheswari Rajagopalan and SHI Jie. Adopting a SFL-oriented approach for evaluating genre-based academic abstracts of EST undergraduate students in Japan. ICAMechS 2016 Proceedings/Conference Book. Refereed/Peer Reviewed. 2016. 510-515.
- SHI Jie and Yoshimasa A. Ono. Common Errors in Research Presentation Slides of Japanese Graduate Students. ICAMechS 2016 Proceedings/Conference Book. Refereed/Peer Reviewed. 2016. 521-526.
- SHI Jie, Yue Zhang, Ling Fu, Jurgen Kurths and Shuhua Xu, Bridging ESAP and Disciplinary Needs in an English Curriculum for Advanced EST Undergraduate Students in China. ICAMechS 2016 Proceedings/Conference Book. Refereed/Peer Reviewed. 2016. 528-532.

7. 「Awards」：

Shi Jie was awarded the Global ESP Leader Recognition by TESOL International Association (USA), November 2016. (<http://blog.tesol.org/esp-project-leader-profile-jie-shi/>)

8. 「Main Collaborator's achievements」：

(1) Shin'ichi Hashimoto:

Publications

Co-authored Journal Articles

- 1) KIDO Kazuhiko, FUKUDA Eri, HASHIMOTO Shinichi and OKAZAKI Hironobu, Short-term Chaotic Time-Series Prediction of Language Test Scores Adopting the Backpropagation Algorithm, Journal for Japan e-Learning Association (16) 65-72 (2016.10) (peer-reviewed)

Oral Presentations

- 1) OKAZAKI Hironobu, HASHIMOTO Shinichi, FUKUDA Eri, KIDO Kazuhiko and EBARA Satoko, Investigating the effectiveness of an original e-learning program vocabulary manager, The 56th Annual Conference of the Japan Association for Language Education and Technology (LET) in Tokyo, Japan (2016.8.9)
- 2) HASHIMOTO Shinichi, Evaluation of student presentations using online feedback forms, Joint International Conference on ESP in Asia 2016: The 8th International Conference on ESP in Asia and The 3rd International Symposium on Innovative Teaching and Research in ESP in Tokyo, Japan (2016.8.21)
- 3) HASHIMOTO Shinichi and UEHARA Suwako, Improving writing fluency through QuickWrite and free writing in integrated skills classes (pre-conference workshop), Joint International Conference on ESP in Asia 2016: The 8th International Conference on ESP in Asia and The 3rd

International Symposium on Innovative Teaching and Research in ESP in Tokyo, Japan (2016.8.18)

(2) Uma Maheswari Rajagopalan

Publications

Co-authored Journal Articles

- 1) RAJAGOPALAN Uma Maheswari, Adopting a SFL-oriented approach for evaluating genre-based academic abstracts of EST undergraduate students in Japan, IEEE Xplore Digital (ICAMechS) 510-515 (2016)
- 2) DESILVA Muthumali, KANCHANA Kokge Thilini, RAJAGOPALAN Uma Maheswari and KADONO Hirofumi, Highly sensitive optical interferometric technique reveals stress-dependent instantaneous nanometric growth fluctuations of Chinese chive leaf under heavy metal stress, Ecotoxicology and Environmental Safety (137) 86-93 (2017.03)
- 3) RAJAGOPALAN Uma Maheswari, Teaching Research Writing to Graduate Students Encompassing an Integrated Top-down and Bottom-up Approach, JACET Annual report, (18) 4-10 (2016.12)

Oral Presentations

- 1) RAJAGOPALAN Uma Maheswari, Adopting a SFL-oriented approach for evaluating genre-based academic abstracts of EST undergraduate students in Japan, International Conference on Advanced Mechatronic Systems, Melbourne, China (2016.11)
- 2) RAJAGOPALAN Uma Maheswari, SHIMIZU Kakeru, HENG Lim Yi, KADONO Hirofumi, Evaluation of freshness Japanese San Fuji apples –comparison of Biospeckle and Optical coherence tomography measurements, 応用物理学学会口頭講演, (2017.03)

9. 外部資金の獲得状況
特になし

10. 今後の研究発展
(外部への発信、外部資金獲得計画を含む)

The IGTEE Research Station continues to strengthen collaboration with prominent ESP research associations and organizations of Japan, other Asian countries and the other parts of the world. It will co-organize or support key symposia or conferences on ESP in China, Korea and Japan mainly. Key members of the Research Station will cooperate with each other to further examine the “ESP Methodology” as an independent notion, assessment of student attainment and other difficult aspects of ESP education in addition to continued efforts on faculty development of ESP teachers, especially from groups of UEC UTE and GTE programs. It is also the hope of the Research Station to obtain research funding from within and outside of the university.