

Curriculum Vitae

I. Personal Particulars

Name 川崎 謙 (KAWASAKI, Ken)
(Surname: KAWASAKI, Given name: Ken)
Sex Male
Date of Birth 7 December 1947
Nationality 日本国 (Japan)

II. Academic Qualifications

1970 B. Sci. Physics (Ehime University)
1973 M. Sci. Plasma Spectroscopy, Physics (Hiroshima University)
1977 Ph. D. Plasma Spectroscopy, Physics (Hiroshima University)
Title of Doctoral Thesis:
Measurement of HeI Line Profiles with Forbidden Components Induced
by Fluctuating Fields

III. Honours

Outstanding Researcher 2013 (The World Research Festival, International
Association of Multidisciplinary Research at the Marco Polo Hotel, Davao City,
Philippines on May 1 to 3, 2013)
Award for Distinguished Service to Society of Japan Science Teaching, 20 August
2011.
Japan Society for Science Education Award for Academic Activity: Relativization of
Science to the Medium of Instruction and Analysis of Scientific Thought, 25
Aug 2009.

IV. Brief Outline of Career History

1978 Assistant, Science Education Section, Faculty of Education, Okayama
University
1979-82 Lecturer, Science Education Section, Faculty of Education,
Okayama University
1982-94 Associate Professor, Science Education Section, Faculty of
Education, Okayama University
1994-96 Associate Professor, Science Education Section,
Faculty of Education, Kochi University
1996-2011 Professor, Science Education Section, Faculty of Education,

Kochi University
2011-Date Professor, Science Education section, Faculty of Engineering,
Kochi University of Technology

V. Current Research Area

Philosophy of Science Education
Science Education in Cross-Cultural Perspective
Rationale for Science Education in non-Western Countries

VI. Publications

Articles in English

- KAWASAKI, K. (2007). Towards Worldview Education beyond Language-Culture Incommensurability, *International Journal of Science and Mathematics Education*, Vol.5 No.1, pp. 29-48.
- Kawasaki, K. (2002). A Cross-Cultural Comparison of English and Japanese Linguistic Assumptions Influencing Pupils' Learning of Science *Canadian an International Education*, **Vol.31 No.1**, pp.19-51.
- Kawasaki, K. (1999). A Deductive Description of Cultural Diversity of "Observation" in Science Education, *Journal of Science education in Japan*, **Vol.23 No.4**, pp.258-270.
- Kawasaki, K. (1996). The Concepts of Science in Japanese and Western Education, *Science & Education*, **Vol.5 No.1**, pp.1-20; also included in Ed. by John Gilbert (2006), *Science Education –Major Themes in Education – Volume I, Part 1: The Relationship between Science and Science Education* (86-109), London and New York: Routledge.
- Kawasaki, K. (1990). Hidden Conflict between Western and Traditional Concepts of Nature in Science Education in Japan, *The Bulletin of School of Education Okayama University*, **No.83**, pp.203-214. (unrefereed)

Monograph

- KAWASAKI, K. (2010). Any Language Can Be the Medium of Instruction of School Science, But..., In ed. by Yew-Jin Lee, *Science Education Research in Asia*, Amsterdam/Taipei: SENSE Publishers, pp. 203-219.
- KAWASAKI, K. (2005). *Kami to Shizen no Kagakushi* (History of Sciences from a Comparative Point of View) Tokyo: Kodansha. (In Japanese)

In addition,

Thirteen refereed and eighteen unrefereed articles about science education (in Japanese).

Three books (joint author) on science education were published (in Japanese).

And fourteen refereed articles on plasma spectroscopy were published in the English language.

VI. Oral Presentation about Science Education (in English only)

Kawasaki, K. (2013) “An Introduction to Anti-Essentialism or Relationism”

Educational Trends and Issues: A Lecture – Forum with International Experts (at the University of the Immaculate Conception, Davao City, Philippines on 2 May).

Kawasaki, K. (2013) “Comparatist Mind for a Sustainable World” As A Keynote Speech at The International Association of Multidisciplinary Research (IAMURE), The World Research Festival 2013 (at the Marco Polo Hotel, Davao City, Philippines on 1 May).

Nakajo, M. and Kawasaki, K. (2012) “A DISTINCTION BETWEEN UNIVERSALITY AND PARTICULARITY OF THINGS IN SCIENCE TEACHING” The 7th International Conference on Science Mathematics and Technology Education (at the Sultan Qaboos University, Muscat, Oman in 6 November, 2012.)

Kawasaki, K. (2012) “IN ORDER TO LAUNCH WORLDVIEW EDUCATION” The 7th International Conference on Science Mathematics and Technology Education (at the Sultan Qaboos University, Muscat, Oman in 5 November, 2012.)

Taylor, P. C., Kawasaki, K., de Afonso Nhalevilo, E. Z., Cupane, A., Otsuji, H. & McLaughlin, M. (2012) “TRANSFORMING CULTURAL LANDSCAPES OF SCIENCE/MATHEMATICS/TECHNOLOGY EDUCATION FOR A SUSTAINABLE FUTURE: International Symposium” The 7th International Conference on Science Mathematics and Technology Education (at the Sultan Qaboos University, Muscat, Oman in 4 November, 2012.)

NAKAJO, M. and KAWASAKI, K. (2011). “Metacognition That Pupils Realize Their Changes in Thought,” International Conference 2011 Held by East-Asian Association for Science Education, Chosun University, Gwangju, Korea.

KAWASAKI, K. (2010). “From What Should We Learn?” The International Conference on Higher Education, University of Northern Philippines, Vigan City, Ilocos Sur Philippines, 27 April-1 May.

- KAWASAKI, K. (2008). "Considerations Supplementary to Science Teaching in World-View-Oriented science Education," IOSTE XIII Symposium Kuşadası, Turkey, 21-26 September.
- SUMIDA, M. and KAWASAKI, K. (2008). "Language-Culture Origin Understanding of Science in Japan: Japanese Prospective Science teachers' View of Science," IOSTE XIII Symposium Kuşadası, Turkey, 21-26 September.
- KAWASAKI, K. (2007) How to Counteract Distorting Effects of the Instructional Language on Science Education in Non-Western Nation-States, ICASE 2007 (8-12 July), Sheraton Perth Hotel and Mercedes College, Perth, Western Australia.
- KAWASAKI, K. and NAKAJO, M. (2007) A Way of Cultivating Pupils' Metacognition in Forming Subject-Conscious Mind Based on Anti-Essentialism, 12th Annual International Conference Sultan Hassan Bolkuah Institute of Education, Universiti Brunei Darussalam (21-23 May), Brunei Darussalam.
- KAWASAKI, K. (2006) Incommensurable but Explicable. 11th Annual International Conference Sultan Hassan Bolkuah Institute of Education, Universiti Brunei Darussalam (22-25 May), Brunei Darussalam.
- KAWASAKI, K. (2005) Toward Restoration of Subjectivity in Science Education---How to Resolve Language-Culture Incommensurability. Science and Mathematics Education Centre Seminar (28 November) Science and Mathematics Education Centre Curtin University of Technology, Perth, Australia
- KAWASAKI, K. (2005) Toward Restoration of Subjectivity in Science Education. As a keynote speaker and consultant in Conference-Workshop: Southeast Asian and Japanese Cultural Influences on the Understanding of Scientific Concepts For Science Educators, Scholars and Researchers (3-5 October) SEAMEO RECSAM, Penang, Malaysia.
- KAWASAKI, K. (2005). Anti-essentialism for Equitable Treatment of Scientific and Indigenous Worldviews in Science Education. Australian Science Education Research Association LTD ---ASERA2005--- (July 7) Novotel Tainui Hamilton Hotel, Hamilton, New Zealand
- KAWASAKI, K. (2005). Science Teachers' Responsibility in Addition to Science Teaching in Japan. The 47th Conference of the Korea Association for Research in Science Education, 18-19 February, Seoul National University, Seoul KOREA.
- KAWASAKI, K. (2004). Science/Mathematics Education in the Language-Culture milieu without the Dichotomy between the Worlds of Phenomena and Ideas,

- The Conference on “The role of indigenous knowledge in schools: Science and Mathematics in Pacific Islands and Pacific Rim Nations” (October 14-17), College of Education, University of Hawaii-Manoa.
- SUMIDA M. and KAWASAKI, K. (2003). A Language-Culture Origin Understanding of Science in Japan. Australian Science Education Research Association LTD ---ASERA2003--- (July 11), Rydges Carlton Melbourne, Melbourne, Victoria, Australia.
- Carlton Melbourne, Melbourne, Victoria, Australia.
- NAKAYAMA, H., KAWANO R. and KAWASAKI, K. (2003). A Term Characterizing Japanese Course of Study for Science. Australian Science Education Research Association LTD ---ASERA2003--- (July 11), Rydges
- KAWASAKI, K. (2002). A Structural Linguistic Analysis of Science Education: Cross-Cultural Misunderstandings, Seminar organized by Dr. Glen Aikenhead (October 15), University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
- KAWASAKI, K. (2002). A Structural Linguistic Analysis of Science Education: Cross-Cultural Misunderstandings, Seminar organized by Dr. Eva Krugly-Smolska (October 11), Queen’s University, Kingston, Ontario, Canada.
- KAWASAKI, K. (2002) Confusing in the Conception “Reality,” Australian Science Education Research Association LTD ---ASERA2002--- (July 12), Southbank Hotel and Convention Centre, Twonville, Queensland, Australia.
- KAWASAKI, K. (2002). Confusing in the Conception “Reality,” Seminar organized by Mr. Atchana Mohanarao, Physics Matriculation Lecturer (June 19), Asian Institute of Medicine, Science & Technology, Kedah, Malaysia.
- KAWASAKI, K. (2002). Confusing in the Conception “Reality,” Seminar organized by The Panel of Physics Teachers for the District of Kuala/Yan (June 19), Sultan Mohamad Jiwa Science Secondary School, Kedah, Malaysia.
- KAWASAKI, K. (2001). How to Conceptualize “Culture,” Seminar organized by Drs. Aikenhead and Ogawa for the International Joint Research on “Culture, Language and Gender Sensitive to Science Education Teacher Training Program ---CLAGS STEP---” (October 3), Hiroshima University, Hiroshima, Japan.
- KAWASAKI, K. (2000). Linguistic Mode of Science Education, Seminar organized by Emeritus Professor von Glasersfeld (October 5), Scientific Reasoning Research Institute, University of Massachusetts, Amherst, Massachusetts, USA.
- KAWASAKI, K. (2000). Linguistic Mode of Science Education, Seminar organized by Dr. Ogawa for the International Joint Research on “Culture, Language and Gender Sensitive to Science Education Teacher Training Programme ---CLAGS

STEP---” (October 22), Kobe University, Kobe, Japan.

KAWASAKI, K. (1996). Science Education as Foreign Language Education, Seminar organized by Dr. Sok Khim Tan (August 12), Universiti Sains Malaysia, Penang, Malaysia.

VII. Research Grants (Principal Investigator or Co-Investigator)

Epistemological Investigation into Teachers’ Speech in the Science Classroom (2013-2014), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. KAWASAKI, K. (1,800,000 JPY).

Science education programme for learning the scientific worldview: Two worldviews in science classroom (2007), Given Dean of Faculty of Education of Kochi University. Principal Investigator: Dr. KAWASAKI, K. (929,000 JPY).

Comparative study on dependence of “nature” on culture for improving science education (2005-8), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. KAWASAKI, K. (7,600,000 JPY)

Reconciliation between the Japanese traditional worldview and science education (2002-3), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. KAWASAKI, K. (1,800,000 JPY)

Culture, Language and Gender Sensitive to Science Teacher Education Programme (2000-2), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. Ogawa M. (19,000,000 JPY).

Effects of Traditional Cosmology on Science Education (1996), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. Ogawa M. (3,100,000 JPY).

Development of Supplementary Readers for High School from the viewpoint of STS (1995-7), Given Grants-in Aid for Scientific Research Supported by Monbusho, the Ministry of Education, Culture, Sports, Science and Technology. Principal Investigator: Dr. Ogawa, M. (3,300,000 JPY).

IX. Membership in Professional Societies

Society of Japan Science Teaching

Japan Society for Science Education

The Japanese Society of Environmental Education
Japanese Society for Science and Technology Studies

Address for Contact

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Kochi University of Thecnology.

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Handwritten signature of Ken Kawasaki in Japanese characters: 川崎 謙.

(KAWASAKI, Ken)