

PERSONAL INFORMATION

Name: Satoshi Kawase

Address: The Faculty of Psychology, Kobe Gakuin University

518 Arise, Ikawadani-cho, Nishi-ku, Kobe 651-2180 JAPAN

E-mail: satoshikawase.psy@gmail.com

EDUCATION:

2003-2007 Graduate School of Human Sciences, Osaka University

2000-2003 Graduate School of Human Sciences, Osaka University

1996-2000 Division of Biophysical Engineering, School of Engineering Science, Osaka University

1995 Osaka Prefectural Kitano High School

DEGREE:

Doctor of Human Science, 2007

“Study of KANSEI information in drum performance interaction” (in Japanese)

Master of Human Science, 2003

“Quantitative research about music grooves” (in Japanese)

Bachelor of Engineering, 2000

“Branch formation of cerebral cortical neuron - an analysis based on the time lapse observation” (in Japanese)

LICENSES:

Teaching license for mathematics (for high school)

Teaching license for science (for high school)

Teaching license for mathematics (for junior high school)

EXPERIENCE:

2020- Associate Professor in the Faculty of Psychology at Kobe Gakuin University

2019-2020 Part-time Lecturer at Kobe University (in “Statistics/quantitative analysis 1,” “Statistics /quantitative analysis 2”)

2018-2020 Invited researcher (Graduate School of Human Science, Osaka University)

2016-2018 Specially Appointed Researcher (Graduate School of Technology, Nagoya Institute of Technology)

2015- Researcher (Yamaha Music Foundation)

2015-2016 Part-time Lecturer at Osaka College of Music (in “Teaching Method of Piano AII” (Developmental Psychology))

2014-2016 Visiting Researcher (Soai University)

2013-2016 Part-time Lecturer at Osaka University of Human Sciences (in “Acoustics”)

- 2013-2016 Part-time Lecturer at Kobe Yamate College (in “Kansei Psychology of Sound”)
- 2012-2014 Part-time Lecturer at Hyogo Institute for Traumatic Stress (in “Music Psychology”)
- 2012-2016 Part-time Lecturer at Kobe Shinwa Women's University (in “Music Psychology”)
- 2012-2016 Part-time Lecturer at Faculty of Music, Mukogawa Women's University (in “Music Psychology”, “Introduction of Music Therapy” (a part of basic of statistics))
- 2010-2013 Invited Researcher (Graduate School of Human sciences, Osaka University)
- 2008- Part-time Lecturer at Faculty of Music, SOAI University (in “Music Psychology”)
- 2007-2010 Specially Appointed Assistant Professor (Graduate School of Human sciences, Osaka University)
- 2007 Specially Appointed Researcher (Graduate School of Human sciences, Osaka University)
- 2006-2007 Part-time Lecturer at Kokusai Touyou-iryuu Shinkyuu Gakuin,(in “Introduction to Human Sciences”, “Sociology II”)
- 2005-2006 Research Assistant (Osaka University)
- 2000-2004 Teaching Assistant (Osaka University)

RESEARCH GRANT (Satoshi Kawase obtained all of following grants as an individual or a head of research group):

- 2020- Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (C) “Factors contributing to individual differences in relationships between music and movement”
- 2017-2020 Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (C) “Quantitative research of music inducing body movement: Toward appropriate custom-made music.”
- 2017-2018 The Telecommunication Advancement Foundation
- 2017 The Hori Science & Art Foundation
- 2017 Kayamori Foundation of Informational Science Advancement
- 2014-2017 Japan Society for the Promotion of Science, Grant-in-Aid for Young Scientists (B) “Effect of communication skills on musical performance.”
- 2010 HAYAO NAKAYAMA Foundation for Science & Technology and Culture
- 2009 HAYAO NAKAYAMA Foundation for Science & Technology and Culture (for attending international conference).
- 2009 Yamaha Music Foundation
- 2007 Japan Society for the Promotion of Science, researcher sending project for international conference.
- 2006 Fieldwork Support Project, Osaka University

MEMBER:

European Society for the Cognitive Sciences of Music

Society for Education, Music and Psychology Research
The Japanese Psychological Association
The Japanese Society for Music Perception and Cognition
Japanese Cognitive Science Society
The Japanese Society for Cognitive Psychology
Japan Music Expression Society
Study Group of Musical Science (committee)

RESEARCH INTEREST:

I have studied communication during music performances mainly focusing on the roles of visual cues and nonverbal behavior. In particular, I have analyzed the roles of gaze which affect communication between performers or performers and audiences in ensembles. I have also studied groove and AI orchestra.

- Music performance and communication (especially nonverbal communication)
- Groove
- Multimodal interaction during music appreciation
- Music and visual attention
- AI orchestra
- Nonverbal communication and interpersonal impression formation

Peer reviewed journal article

- 17) **Kawase, S.**, & Ogawa, J. (2020). Group music lessons for children aged 1-3 improve accompanying parents' moods. *Psychology of Music*, 48(3), 410–420. doi:10.1177/0305735618803791
- 16) **Kawase, S.**, Ogawa, J., Obata, S., & Hirano, T. (2018). An Investigation into the Relationship Between Onset Age of Musical Lessons and Levels of Sociability in Childhood. *Frontiers in Psychology*, 9:2244. doi: 10.3389/fpsyg.2018.02244.
- 15) Etani, T., Marui, A., **Kawase, S.***, & Keller, P.E. (2018). Optimal tempo for groove: Its relation to directions of body movement and Japanese nori. *Frontiers in Psychology*, 9:462.
- 14) **Kawase, S.**, Ito, T., Otsuka, T., Sengoku, A., Shiramatsu, S., Matsuo, T., Oishi, T., Fujita, R., Fukuta, N., & Fujita, K. (2018). Cyber-physical hybrid environment using a largescale discussion system enhances audiences' participation and satisfaction in the panel discussion. *The IEICE Transactions on Information and Systems*.
- 13) Ito, T., Otsuka, T., **Kawase, S.**, Sengoku, A., Shiramatsu, S., Ito, T., Hideshima, E., Matsuo, T., Oishi, T., Fujita, R., Fukuta, N., & Fujita, K. (2017). Experimental Results on Large-scale Cyber-Physical Hybrid Discussion Support. *International Journal of Crowd Science*, 1, 26-38.

- 12) **Kawase, S.**, & Obata, S. (2016). Audience gaze while appreciating a multipart musical performance. *Consciousness and Cognition*, 46, 15-26. ([F1000Prime Recommended Article](#), [PsyPost interview](#))
- 11) **Kawase, S.**, & Obata, S. (2016). Psychological responses to recorded music as predictors of intentions to attend concerts: Emotions, liking, performance evaluations, and monetary value. *Musicae Scientiae*, 20, 163-172.
- 10) **Kawase, S.** (2016). Associations among music majors' personality traits, empathy, and aptitude for ensemble performance. *Psychology of Music*, 44, 293-302.
- 9) **Kawase, S.** (2015). Visual interaction between performers and audience members during music performance. *Cognitive Studies*, 22, 638-648. (in Japanese)
- 8) **Kawase, S.** (2015). Relationships between performers' daily social skills, social behaviors in ensemble practice, and evaluations of ensemble performance. *Musicae Scientiae*, 19, 350-365.
- 7) **Kawase, S.** (2015). Communication between ensemble performers : Coordination cues. *Japanese Psychological Review*, 57, 495-510. (in Japanese)
- 6) **Kawase, S.** (2014). Assignment of leadership role changes performers' gaze during piano duo performances. *Ecological Psychology*, 26, 198-215.
- 5) **Kawase, S.** (2014). Importance of communication cues in music performance according to performers and audience. *International Journal of Psychological Studies*, 6, 49-64.
- 4) **Kawase, S.** (2014). Gazing behavior and coordination during piano duo performance. *Attention, Perception, & Psychophysics*, 76, 527-540.
- 3) **Kawase, S.** (2013). Factors influencing audience seat selection in a concert hall: A comparison between music majors and nonmusic majors. *Journal of Environmental Psychology*, 36, 305-315.
- 2) **Kawase, S.** & Eguchi, K (2010). The Concepts and Acoustical Characteristics of 'Groove' in Japan. *PopScriptum II - The Groove Issue*, 1-45.
- 1) **Kawase, S.**, Nakamura, T., & Draguna R. M. (2007). Interpersonal Impression Formation and Non-verbal Communication - the role of acoustic correlates. *Journal of Human Interface Society*, 9, 391-399. (in Japanese)

International conference

- 22) **Kawase, S.** & Obata, S. (2017). Conflict and collaboration in multiphase orchestra practice. *International Symposium on Performance Science*.
- 21) **Kawase, S.** (2017). Effects of daily communication skills on emotional expressions of performers. *International Symposium on Performance Science*.

- 20) **Kawase, S.** & Ogawa, J. (2017). The effects of children's group music lessons on the mood of accompanying parents group music lesson. *The 6th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music*.
- 19) Akagi, F., **Kawase, S.**, Takehara, N., Ichinose, T., & Masuko, T. (2017). Time-series analysis of mood changes by group singing: Assuming music therapy. *World Congress of Music Therapy 2017*.
- 18) Ito, T., Otsuka, T., **Kawase, S.**, Sengoku, A., Shiramatsu, S., Matsuo, T., Oishi, T., Fujita, R., Fukuta, N., & Fujita, K. (2016). Preliminary Results on A Large-scale Cyber-Physical Hybrid Discussion Support Experiment. *The Eleventh 2016 International Conference on Knowledge, Information and Creativity Support Systems*.
- 17) Etani, T., Marui, A. & **Kawase, S.** (2016). The relationship between groove and tempo in drum breaks. *31st International Congress of Psychology*.
- 16) **Kawase, S.** & Ogawa, J. (2016). The influence of group music study on children's empathy. *31st International Congress of Psychology*.
- 15) **Kawase, S.** & Obata, S. (2015). What attracts an audience's visual attention? An eye tracking study. *International Symposium on Performance Science 2015*.
- 14) **Kawase, S.** (2015). Associations between social skills and ensemble performance in music majors. *Proceedings of the Ninth Triennial Conference of the European Society for the Cognitive Sciences of Music*, 509–510.
- 13) **Kawase, S.** (2013). Assignment of leadership role changes performers' gaze behaviour during piano duo performances. *Proceedings of International Symposium on Performance Science*, 451–456.
- 12) **Kawase, S.** (2012). Mutual gaze facilitates synchronization during piano duo performances. *Proceedings of 12th International Conference on Music Perception and Cognition*, 522–526.
- 11) **Kawase, S.** (2010). The role of gazing behaviour during a piano duo performance. *Proceedings of 11th International Conference on Music Perception and Cognition*, 679–682.
- 10) **Kawase, S.** (2009). An exploratory study of gazing behavior during live performance. *Proceedings of 7th Triennial Conference of European Society for the Cognitive Sciences of Music*, 227–232.
- 9) **Kawase, S.** (2009). Interaction of auditory and visual information in the Gidayu-bushi performer's expression of gender and age. *Proceedings of 7th Triennial Conference of European Society for the Cognitive Sciences of Music*, 220–226.
- 8) **Kawase, S.** (2009). Role of gazing behaviour in live performances: Case study. *Suncoast Music Education Research Symposium VII Abstract book*, p.17.
- 7) Yasuda, S., Nakamura, T., Draguna, M.R., **Kawase, S.**, Katahira, K., & Shoda, H. (2008). Psychological

Study of Strong Experiences in Listening to Music: Relationship between Physical Reactions and Acoustic Features of the Music. *Proceedings of 10th International Conference on Music Perception and Cognition*, 496–499.

- 6) Shoda, H., Nakamura, T., Draguna, M.R., **Kawase, S.**, Katahira, K., Yasuda, S., & Adachi, M. (2008). Emotional Communication of a Pianist's Intended Expression via Acoustical and Visual Information. *Proceedings of 10th International Conference on Music Perception and Cognition*, 517–520.
- 5) Katahira, K., Nakamura, T., **Kawase, S.**, Yasuda, S., Shoda, H. & Draguna, M.R. (2008). Effects of the Relationship Between Co-Performers' Body Movement on Coordination in Ensembles. *10th International Conference on Music Perception and Cognition*.
- 4) Yasuda, S., Nakamura, T., Draguna, M.R., **Kawase, S.**, Katahira, K., & Shoda, H. (2007). Psychological Study of Strong Experiences in Listening to Music: A Relationship between Partial and Overall Evaluations of Physical Reactions. *Proceedings of International Conference on Music Communication Science*, 184–187.
- 3) Shoda, H., Nakamura, T., Draguna, M.R., **Kawase, S.**, Katahira, K., & Yasuda, S. (2007). Effects of a pianist's body movements on listeners' impressions. *Proceedings of International Conference on Music Communication Science*, 143–146.
- 2) Katahira, K., Nakamura, T., Kawase, S., Yasuda, S., Shoda, H., & Draguna, M.R. (2007). The Role of Body Movement in Co-Performers' Temporal coordination. *Proceedings of International Conference on Music Communication Science*, 72–75.
- 1) **Kawase, S.**, Nakamura, T., Draguna, M.R., Katahira, K., Yasuda, S., & Shoda, H. (2007). Communication channels performers and listeners use: a survey study. *Proceedings of International Conference on Music Communication Science*, 76–79.

Book chapter

- 5) **Kawase, S.**, (2020). Performance and communication. In Ohgushi, K., Kuwano, S., and Namba, S. (Eds). *Introduction to the Handbook of Music Perception and Cognition* (pp. 239–240). Kitaoji Shobo, Japan.
- 4) **Kawase, S.**, (2020). Communication of emotion. In Ohgushi, K., Kuwano, S., and Namba, S. (Eds). *Introduction to the Handbook of Music Perception and Cognition* (pp.157–158). Kitaoji Shobo, Japan.
- 3) **Kawase, S.**, Taguchi, A., & Tamura, T. (2018). Music production of a supplemental DVD. Japan Aerobic Federation (Ed). *Slow Aerobic enhances the brain fitness*, NHK Publishing.
- 2) **Kawase, S.** & Takasu, H. (2011) Musical Potential. Adachi, M. and Ogawa, Y. (translation supervisor) *The science & psychology of music performance*, Seishin Shobo. (This is a Japanese version of 'Musical Potential, Kemp, A. E. & Mills, J., In Parncutt, R. & McPherson, G. E. (Eds). *The science &*

psychology of music performance, Oxford University Press.

- 1) **Kawase, S.** (2010). “Ma (pause)” as basis of communication. In Miura, K. (Ed). *Theories and applications of cognitive psychology - Perception and kansei* (pp.202–206). Kitaoji Shobo, Japan.

Article without peer review

- 12) **Kawase, S.** (2020). Musical communication. *Re : Building maintenance & management*, 42(2), 52-55. (in Japanese)
- 11) **Kawase, S.**, Okano, M., Kumasaka, Y., and Nagisa, C. (2020). Influences of types of lessons on children's music ensembles. *Technical Report of IEICE*, 120(218), 32-35. (in Japanese)
- 10) **Kawase, S.**, and Kanazawa, T. (2019). Comparison between musical ensemble performance by human and one by agents. *Technical Report of IEICE*, 119(38), 165–168. (in Japanese) Human communication awards
- 9) **Kawase, S.** (2018). Performance × communication. *Journal of Human Interface Society*, 20(4), 19–24. (in Japanese)
- 8) **Kawase, S.**, Ito, T., & Sengoku, A. (2017). Effect of functions of online large scale consensus building support system on discussion. *Technical Report of IEICE*. (in Japanese)
- 7) **Kawase, S.**, & Obata, S. (2016). Factors attracting audiences’ visual attention. *Technical Report of IEICE*, 115(418), 119-122. (in Japanese)
- 6) **Kawase, S.** (2014). The influence of social skills on music ensemble. *Technical Report of IEICE*, 114(189), 75-78. (in Japanese)
- 5) **Kawase, S.** (2011). Visual cues used during ensemble performance—Timing coordination of piano duo. *Technical Report of IEICE*, 111(190), 93–98. (in Japanese)
- 4) **Kawase, S.** (2009). Gazing behavior during music performance: A case study of a live performance. *Technical Report of IEICE*, 109(264), 19–24. (in Japanese)
- 3) **Kawase, S.** (2008). Music and communication: A review of psychological researches. *Bulletin of Graduate School of Human Sciences, Osaka University*, 35, 295–311. (in Japanese)
- 2) **Kawase, S.**, & Nakamura, T. (2008). Study of KANSEI Information in Drum Performance Interaction. *Bulletin of Graduate School of Human Sciences, Osaka University*, 34, 165–188. (in Japanese)
- 1) **Kawase, S.**, Nakamura, T., & Draguna, R. M. (2007). Temporal characteristics interactants share in nonverbal communication: A case study of acoustic correlates and body movement. *TECHNICAL REPORT OF IEICE*, 107(308), 45–50. (in Japanese)

Domestic conference (as first author, in Japanese)

- 23) **Kawase, S.**, & Kanazawa, T. (2019). Individuality and collaboration in ensemble performance: A comparison between performances by human and AI. Regular Conference of The Japanese Society for Music Perception and Cognition (JSMPC), 27–30.
- 22) **Kawase, S.**, & Shoda, H. (2018). Music and audience members' empathy affect visual attentions while watching videos. 16th Annual Convention of the Japanese Society for Cognitive Psychology,
- 21) **Kawase, S.**, Ito, T., Otsuka, T., & Sengoku, A. (2017). Preliminary study on the effectiveness of online discussion system "COLLAGREE". The Japanese Society for Artificial Intelligence 2017.
- 20) **Kawase, S.**, Ito, T., Otsuka, T., Sengoku, A., Shiramatsu, S., Matsuo, T., Oishi, T., Fujita, R., Fukuta, N., & Fujita, K. (2016). Audience behavior during panel discussion using online discussion system. 185th Special Interest Group of Information Processing Society of Japan.
- 19) **Kawase, S.**, Ito, T., Otsuka, T., Sengoku, A., Shiramatsu, S., Matsuo, T., Fukuta, N., & Fujita, K. (2016). Cyber-physical hybrid discussion support through COLLAGREE: A preliminary study of the conference panel discussion. Joint Agent Workshops & Symposium 2016.
- 18) **Kawase, S.**, & Ogawa, J. (2015). Influence of group study of music on child development. Regular Conference of The Japanese Society for Music Perception and Cognition (JSMPC), 1-2.
- 17) **Kawase, S.**, & Obata, S. (2014). The influence of music listening on intentions of concert attendance. The 71st Annual Convention of Japanese Psychological Association, 922.
- 16) **Kawase, S.** (2011). The effect of performers' leadership on gazing behaviour during piano duo performance. Regular Conference of The Japanese Society for Music Perception and Cognition (JSMPC), 23-28.
- 15) **Kawase, S.**, & Mochizuki, A. (2010). Relationships between visual cues and timing coordination in piano duo performance. 8th Annual Convention of The Japanese Society for Cognitive Psychology, 20.
- 14) **Kawase, S.**, Nakamura, T., Katahira, K., Yasuda, S., Kawakami, A., Obata, S., & Taniguchi, S. (2007). Gaze behaviours within the live performance. The 71st Annual Convention of Japanese Psychological Association, 20.
- 13) **Kawase, S.**, Nakamura, T., Draguna, R. M., Katahira, K., Yasuda, S., Taniguchi, S., & Kawakami, A. (2007). Nonverbal communication in music performance. Human Interface Symposium 2007, 1113–1116.
- 12) **Kawase, S.**, Nakamura, T., Katahira, K., Yasuda, S., Obata, S., Taniguchi, S. & Shoda, H. (2007). Visual cues used in music performance. 5th Annual Convention of The Japanese Society for Cognitive Psychology, 25.
- 11) **Kawase, S.**, Nakamura, T., Katahira, K., & Kawakami, A. (2006). Communication processes in music

performance. Regular Conference of The Japanese Society for Music Perception and Cognition (JSMPC), 51–56.

- 10) **Kawase, S.**, Nakamura, T., Katahira, K., Kawakami, A., & Yasuda, S. (2006). Gaze behaviour during interaction with drum performance. The 70th Annual Convention of Japanese Psychological Association, 544.
- 9) **Kawase, S.**, Nakamura, T., Katahira, K., Kawakami, A., Yasuda, S., Obata, S., & Horinaka, Y. (2006). Relationship between acoustic information and visual information in nonverbal communication. 4th Annual Convention of The Japanese Society for Cognitive Psychology, 20.
- 8) **Kawase, S.**, Nakamura, T., Katahira, K., Kawakami, A., Yasuda, S., Obata, S., & Horinaka, Y. (2006). Nonverbal behaviors in music performance. Human Interface Symposium 2006, 689–694.
- 7) **Kawase, S.**, Nakamura, T., Katahira, K., Kawakami, A., Yasuda, S., & Horinaka, Y. (2005). Acoustic communication and impression formation within interactive drum performance. Human Interface Symposium 2005, 401–406.
- 6) **Kawase, S.**, Nakamura, T., Draguna, R. M., Yasuda, S., Katahira, K., & Kawakami, A. (2005). Breathing within interactive drum performance. The 69th Annual Convention of Japanese Psychological Association, 608.
- 5) **Kawase, S.**, Nakamura, T., Katahira, K., Kawakami, A., & Yasuda, S. (2005). Research into the body movement during interactive drum performance. 3rd Annual Convention of The Japanese Society for Cognitive Psychology, 44.
- 4) **Kawase, S.**, Nakamura, T., Kataoka, T., & Draguna, R. M. (2004). Communication and impression formation within interactive drum performance. Human Interface Symposium 2004, 273–278.
- 3) **Kawase, S.**, Nakamura, T., Nagaoka, C., & Draguna, R. M. (2004). The effect of musical communication on interpersonal cognition: interactive drum communication. The 68th Annual Convention of Japanese Psychological Association, 678.
- 2) **Kawase, S.**, Nakamura, T., Nagaoka, C., Draguna, R. M., Kataoka, T., & Yuki, M. (2003). Music psychology research into the origin of groove within music performance. Human Interface Symposium 2003, 473–476.
- 1) **Kawase, S.**, Nakamura, T., Komori, M., Nagaoka, C., & Draguna, R. M. (2001). Factors Accounting for the Groove in Music. Human Interface Symposium 2001, 371–374.

Domestic conference (as a coauthor)

Research about relationship among groove, exercise, and Cognitive function: 2 presentations

Research about strong experience in music: 12 presentations

Research about body movement on music performance: 8 presentations
Research about paralanguage aspects of vocal communication: 8 presentations
Research about background music: 4 presentations
Research about groove: 1 presentation
Research about music education: 1 presentation
Research about discussion system: 1 presentation

Talk (selected)

Kawase, S. (2021). Music and exercise. Chico Will Scold You! (TV Program of NHK)

Kawase, S. (2019). Musical communication. Annual workshop of Japanese Music Therapy Association

Kawase, S. (2017). Possibilities of music that can induce motivation for exercise. 1st study group of sports neuroscience held at 72nd Japanese Society of Physical Fitness and Sports Medicine.

Kawase, S. (2017). Coordination in ensemble music performance. Workshop at 28th Japan Society of Developmental Psychology.

Kawase, S. (2017). Music lessons enhance children's ability. Suganami Liberal Arts Lecture.

Experience of peer reviewer

Journal: Consciousness and Cognition, Scientific Reports, Journal of Health Psychology, Acta Psychologica, Nordic Psychology, Journal of Eye Movement Research, Journal of Environmental Psychology, Building and Environment, Psychology of Music, Frontiers in Psychology, Psychomusicology: Music, Mind, and Brain, Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, IEICE TRANSACTIONS on Information and Systems, Multimodal Technologies and Interaction, The Journal of the Acoustical Society of Japan (in Japanese), Cognitive Studies (in Japanese), IEICE TRANSACTIONS on Information and Systems (Japanese edition)