
Curriculum Vitae

Tetsushi Nonaka, Ph. D

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EDUCATION

- 2005 - 2010 Ph.D., Interdisciplinary Information Studies, University of Tokyo, Japan
Supervisors: Masato Sasaki (Psychology), Yasuo Kuniyoshi (Robotics)
- 2003 - 2005 M.S., Interdisciplinary Information Studies, University of Tokyo, Japan
- 1992 - 1996 B.A., Philosophy, University of Tokyo, Japan

PROFESSIONAL EXPERIENCE

- 2020 - current Professor; Graduate School of Human Development and Environment,
Kobe University, Japan
- 2014 - 2019 Associate Professor; Graduate School of Human Development and Environment,
Kobe University, Japan
- 2016 - 2017 Visiting Scholar; Wyss Institute for Biologically Inspired Engineering, Harvard University, U.S.A.
- 2015 - 2016 Visiting Scholar; École des Hautes Études en Sciences Sociales, France
- 2012 - 2013 Associate Professor; Research Institute of Health and Welfare, Kibi International University, Japan
- 2011 - 2012 Visiting Scholar; École des Hautes Études en Sciences Sociales, France
- 2010 - 2012 Visiting Researcher; Advanced Institute of Human Sciences, Waseda University, Japan
- 2010 - 2012 Post-Doctoral Researcher; Research Institute of Health and Welfare, Kibi International University, Japan

- 2008 - 2009 Post-Doctoral Researcher;
École des Hautes Études en Sciences Sociales, France, (<http://grac.ehess.fr/>)
The European Commission Sixth Framework Program on Research, n° 29065, "HANDTOMOUTH"
<http://www.handtomouth.ucl.ac.uk/project5/>
- 2004 - 2006 Research Assistant; *Akachan* Project (Infant developmental niches movie database project)
Graduate School of Interdisciplinary Information Studies, University of Tokyo, Japan
Funded by Ministry of Education, Culture, Sports, Science, and Technology
- 2001 - 2002 In-house Interpreter, Fuchu Prison
- 1996 - 2008 Professional Musician (as a music group called Ultra Living, which has released albums from Creation
Records, UK; Artefact Records, France; Sony Music Entertainment, P-Vine Records, Japan)
- 1996 Nippon Television Network Corporation

HONORS AND AWARDS

- 2017 The JSPS Prize in FY2017 (awarded ¥1,100,000)
- 2013 The Nakayama Prize for Achievement in Human Science (awarded ¥1,000,000)
- 2009 Kyoto University Museum Academic Film Competition
Encouragement Award to University of Tokyo *Akachan* Project
(a movie database of developmental niches of infants)
- 2008 International Academic Promotion Award, University Tokyo (2008)
(funded to visit to École des Hautes Études en Sciences Sociales, France)
- 2007 International Academic Promotion Award, University of Tokyo (2007)
(funded to participate in American Psychological Association, Advanced Training Institute
"Nonlinear Methods for Psychological Science")

GRANTS AND RESEARCH SUPPORT

- 2018 - 2022 Grant-in-Aids for Scientific Research (JP18KT0079)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Caregiver-infant joint action in the emergence of daily skills", (¥4,550,000)
- 2018 - 2022 Grant-in-Aids for Scientific Research (JP18K12013)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Developmental changes in the dynamics of exploratory behavior: The case of active touch",
(¥4,290,000)
- 2015 - 2017 Grant-in-Aids for Scientific Research (JP15KK0009)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Developmental changes in the dynamics of exploratory behavior: The case of active touch",
(¥4,290,000)
- 2015 - 2017 Grant-in-Aids for Scientific Research (JP15KK0009)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Assembly Process of Exploratory Behavior into Active Sensing Systems", (¥8,320,000)
- 2013 - 2016 Grant-in-Aids for Scientific Research (JP25330178)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Process of Assembly of Exploratory Behavior into Active Sensing Systems", (¥4,940,000)
- 2013 - 2015 Japan Society for the Promotion of Science: Bilateral Joint Research Projects PHC SAKURA,
with Blandine Brill (École des Hautes Études en Sciences Sociales, France)
"A comparative experimental study on human tool-use", (¥2,000,000)
- 2010 - 2012 Grant-in-Aids for Scientific Research (JP22800074)
from the Ministry of Education, Culture, Sports, Science and Technology of Japan,
"Multiple Time Scale Dynamics of the Development of Everyday Skills", (¥3,094,000)

PUBLICATIONS (Refereed Journal Articles)

1. Gandon, E*, **Nonaka, T***, Coyle, T., Coyle, E., Sonabend, R., Ogbonnaya, C., Endler, J., & Roux, V. (2021). Cultural transmission and perception of vessel shapes among Hebron potters. *Journal of Anthropological Archaeology*, 63. <https://doi.org/10.1016/j.jaa.2021.101334> *Equal contribution
2. Sumiya, M., & **Nonaka, T.** (2021). Does the Spatial Layout of a Playground Affect the Play Activities in Young Children? A Pilot Study. *Frontiers in Psychology*, 12:627052. <https://doi.org/10.3389/fpsyg.2021.627052>
3. **Nonaka, T.**, Ito, K., & Stoffregen, T. A. (2021). Structure of variability in scanning movement predicts braille reading performance in children. *Scientific Reports*, 11: 7182. <https://doi.org/10.1038/s41598-021-86674-5>
4. Gandon, E*, **Nonaka, T***, Endler, J. A., Coyle, T., & Bootsma, R. J. (2020). Traditional craftspeople are not copycats: Potter idiosyncrasies in vessel morphogenesis. *PLoS ONE*, 15(9), e0239362. <http://dx.doi.org/10.1002/10.1371/journal.pone.0239362> *Equal contribution
5. Gandon, E., **Nonaka, T.**, Sonabend, R., & Endler, J. A. (2020). Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters. *PLoS ONE*, 15(10), e0239139. <http://dx.doi.org/10.1371/journal.pone.0239139>
6. **Nonaka, T.**, & Stoffregen, T. A. (2020). Social interaction in the emergence of toddler's mealtime spoon use. *Developmental Psychobiology*. <http://dx.doi.org/10.1002/dev.21978>
7. **Nonaka, T.** (2020). Locating the inexhaustible: Material, medium, and ambient information. *Frontiers in Psychology*, 11:447. <http://dx.doi.org/10.3389/fpsyg.2020.00447>
8. **Nonaka, T.** (2020). Development of handwriting: The emergence of an action-environment system. *Journal of the Society of Biomechanisms*, 44(4), 203-210. https://dx.doi.org/10.3951/sobim.44.4_2
9. **Nonaka, T.** (2020). The Material basis of perceptual information. *Kagaku Tetsugaku*, 52(2), 21-40. https://dx.doi.org/10.4216/jpssj.52.2_21
10. Egusa, R., Kusunoki, F., **Nonaka, T.**, & Inagaki, S. (2019). Evaluation of the Eye Movement Reduction Effect of Balloon Caption Using Eye Tracking Hardware. *The Transactions of Human Interface Society*, 21(4), 381-390. https://dx.doi.org/10.11184/his.21.4_381

11. **Nonaka, T.**, & Goldfield, E. C. (2018). Mother-infant interaction in the emergence of a tool-using skill at mealtime: A process of affordance selection. *Ecological Psychology*, 30(3), 278-298.
<https://dx.doi.org/10.1080/10407413.2018.1438199>
12. **Nonaka, T.** (2017). Cultural entrainment of motor skill development: Learning to write hiragana in Japanese primary school. *Developmental Psychobiology*, 59(6), 749-766. <https://dx.doi.org/10.1002/dev.21536>
13. Yoshida, I., Hirao, K., & **Nonaka, T.** (2017). Adjusting challenge–skill balance to improve quality of life in older adults: A randomized controlled trial. *American Journal of Occupational Therapy*, 72, 1–8.
<https://dx.doi.org/10.5014/ajot.2018.020982>
14. Sasaki, M., & **Nonaka, T.** (2016). The Reciprocity of Environment and Action in Self-Righting Beetles: The Textures of the Ground and an Object, and the Claws. *Ecological Psychology*, 28(2), 78-107.
<https://dx.doi.org/10.1080/10407413.2016.1163983>
15. 吉田一平・美馬寛子・**野中哲士**・小林隆司・平尾一樹. (2016). 高齢者の作業に対する主観的評価の分析: フローモデルを基にした検討. 『作業療法』, Vol. 35(2), pp.113-122.
16. 吉田一平・平尾一樹・小林隆司・**野中哲士**. (2016). 作業療法プロセスにおけるフローモデルに基づく「挑戦水準」・「能力水準」バランス調整の効果 : デイケアの2症例への使用経験を通して. 『作業療法ジャーナル』, Vol. 50(11), pp. 1239-1246. <https://dx.doi.org/10.11477/mf.5001200751>
17. Hiragami, F., **Nonaka, T.**, Saitoh, K., & Suzuki, Y. (2015). The utility of a care model to individualize rehabilitation in adults aged over 80 years. *Topics in Stroke Rehabilitation*, 22(2), 102-115.
<https://dx.doi.org/10.1179/1074935714Z.0000000029>
18. **Nonaka, T.**, & Bril, B. (2014). Fractal dynamics in dexterous tool use: The case of hammering behavior of bead craftsmen. *Journal of Experimental Psychology: Human Perception and Performance*, 40(1), 218-231.
<https://dx.doi.org/10.1037/a0033277>
19. Rein, R., **Nonaka, T.**, & Bril, B. (2014). Movement Pattern Variability in Stone Knapping: Implications for the Development of Percussive Traditions. *PloS One*, 9(11), e113567. <https://dx.doi.org/10.1371/journal.pone.0113567>

20. Coubard, O. A., Ferrufino, L., **Nonaka, T.**, Zelada, O., Bril, B., & Dietrich, G. (2014). One month of contemporary dance modulates fractal posture in aging. *Frontiers in Aging Neuroscience*, 6, 1-12. <https://dx.doi.org/10.3389/fnagi.2014.00017>
21. **Nonaka, T.** (2013). Motor variability but functional specificity: The case of a C4 tetraplegic mouth calligrapher. *Ecological Psychology*, 25(2), 131-154. <https://doi.org/10.1080/10407413.2013.780492>
22. Rein, R., Bril, B., & **Nonaka, T.** (2013). Coordination strategies used in stone knapping. *American Journal of Physical Anthropology*, 150(4), 539-550. <https://doi.org/10.1002/ajpa.22224>
23. **Nonaka, T.** (2013). What is the exploratory behavior a constant function of? *Journal of Ecological Psychology*, No. 6, 51-54. (in Japanese)
24. **Nonaka, T.** (2012). What exists in the environment that motivates the emergence, transmission, and sophistication of tool use? *Behavioral and Brain Sciences*, 35:4, 31-32. <https://doi.org/10.1017/S0140525X11002056>
25. Bril, B., Smaers, J., Steele, J., Rein, R., **Nonaka, T.**, Dietrich, G., Biryukova, E. & Roux, V. (2012). Functional mastery of percussive technology in nut-cracking and stone-flaking: experimental data and implications for the evolution of the human brain. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 367, 59-74. <https://doi.org/10.1098/rstb.2011.0147>
26. **Nonaka, T.** & Bril, B. (2012). Nesting of asymmetric functions in skilled bimanual action: Dynamics of hammering behavior of bead craftsmen. *Human Movement Science*, 31, 55-77. <https://doi.org/10.1016/j.humov.2010.08.013>
27. Ferrufino, L., Bril, B., Dietrich, G., **Nonaka, T.**, & Coubard, O. A. (2011). Practice of contemporary dance promotes stochastic postural control in aging. *Frontiers in Human Neuroscience*, 5:169, <https://doi.org/10.3389/fnhum.2011.00169>
28. Nishizaki, M., **Nonaka, T.**, & Sasaki, M. (2011). Creative process involved in drawing: role of visual perception in changes of posture. *Japanese Journal of Qualitative Psychology*, 10, 64-78. (in Japanese).
29. **Nonaka, T.**, Bril, B., & Rein, R. (2010). How do stone knappers predict and control the outcome of flaking? Implications for understanding early stone tool technology. *Journal of Human Evolution*, 59, 155-167. <https://doi.org/10.1016/j.jhevol.2010.04.006>

30. Bril, B., Rein, R., **Nonaka, T.**, Wenban-Smith, F., & Dietrich, G. (2010). The role of expertise in tool use: skill differences in functional action adaptation to task constraints. *Journal of Experimental Psychology: Human Perception and Performance*, 36(4), 825-839. <https://doi.org/10.1037/a0018171>
31. **Nonaka, T.**, Nishizaki, M., & Sasaki, M. (2010). Dynamics of the act of drawing from life. *Cognitive Studies*, 17(4), 691-712. (in Japanese) <https://doi.org/10.11225/jcss.17.691>
32. **Nonaka, T.** & Sasaki, M. (2009). When a toddler starts handling multiple detached objects: descriptions of a toddler's niche through everyday actions. *Ecological Psychology*, 21(2), 155-183.
<https://doi.org/10.1080/10407410902877207>
33. **Nonaka, T.** (2009). A child's play with toy blocks: Describing the surface layout of the environment. *Japanese Journal of Developmental Psychology*, 20(2), 112-124. (in Japanese). <https://doi.org/10.11201/jjdp.20.112>
34. **Nonaka, T.** (2005). Global Array and Affordances. *Journal of Ecological Psychology*, 1(1), 169-181. (in Japanese).

PUBLICATIONS (Other Journal Articles)

35. **Nonaka, T.** (in press). The Implication of Body in the Terrestrial Environment for Psychological Theories. *Japanese Journal of Clinical Psychology*, 16(3). (in Japanese).
36. **Nonaka, T.** (2014). Processes behind the Writing of The Ecological Approach to Visual Perception: An Interview with William M. Mace. *Journal of Ecological Psychology*, 7(1), 13-17. (in Japanese).
37. Sasaki, M., **Nonaka, T.**, Someya, M., & Hosoda, N (2013). Remembering Gibson's "The senses considered perceptual systems". *Journal of Ecological Psychology*, No. 6, 5-48. (in Japanese)
38. **Nonaka, T.** (2013). The ecology of agency. *Shisou*, No. 1066, 346-365. (in Japanese)
39. **Nonaka, T.** (2013). The world that coheres where behavior takes place. *UP*, No. 485, 346-365. (in Japanese).
40. **Nonaka, T.** (2012). The many and the reality. *Shisou*, No.1054, 64-81. (in Japanese)

PUBLICATIONS (Conference Proceedings)

1. **Nonaka, T.** (2015). Ecology of skills: How do we control the encounters with the environment? *Second International Workshop on Skill Science: Associated with JSAI International Symposia on AI 2015 Book of Abstracts*.
2. Nagai, L., & **Nonaka, T.** (2015). Development of Gaze Movement Pattern during Piano Practice. *The 32nd Annual Meeting of the Japanese Cognitive Science Society Proceedings CD-ROM*.
3. Ohtagaki, A., & **Nonaka, T.** (2015). Synchronization of Gait Pattern to the External Events: The Case of an Escalator. *The 32nd Annual Meeting of the Japanese Cognitive Science Society Proceedings CD-ROM*.
4. Kotani, S., & **Nonaka, T.** (2015). Transmission of Skills in Japanese Traditional Lacquer Crafts. *The 32nd Annual Meeting of the Japanese Cognitive Science Society Proceedings CD-ROM*.
5. **Nonaka, T.** (2014). Ecology of skills: The case of skills to control conchoidal fracture by means of direct hard-hammer percussion. In T. Darvill, & C. Renfrew (Eds.), *Theoretical Archaeology Group Conference 2014 Handbook and Abstracts*, pp.42-43.
6. **Nonaka, T.** & Maeshima, H. (2013). Selection and differentiation of places by toddlers during free play in the clay topos. In P. Passos, J. Barreiros, R Cordovil, D. Araújo, & F. Melo (Eds.), *17th International Conference on Perception and Action: Book of Abstracts*.
7. **Nonaka, T.** & Bril, B. (2013). On a possible relationship between dexterity and fractality. In P. Passos, J. Barreiros, R Cordovil, D. Araújo, & F. Melo (Eds.), *17th International Conference on Perception and Action: Book of Abstracts*.
8. Maeshima, H., & **Nonaka, T.** (2013). Experience in the clay topos reflected in children's drawings. In P. Passos, J. Barreiros, R Cordovil, D. Araújo, & F. Melo (Eds.), *17th International Conference on Perception and Action: Book of Abstracts*.
9. Hiragami, S., **Nonaka, T.**, & Suzuki, Y. (2013). Specificity of postural sway to the demands of a precision task in patients recovering from stroke. In T. Davis, P. Passos, M. Dicks, D & J. Weast-Knapp (Eds.), *Studies in Perception and Action XII*. pp.124-128, Taylor & Francis. New York: NY.

10. Hiragami, S., & **Nonaka, T.** (2013). Task specificity of postural sway in patients recovering from stroke. *The 2nd Joint World Congress of International Society for Posture & Gait Research (ISPGR) and Gait and Mental Function Proceedings.*
11. Coubard, O. A., Ferrufino, L., Bril, B., **Nonaka, T.**, & Dietrich, G. (2013). Dynamic models provide insight into how motor trainings improve posture in aging. *The 2nd Joint World Congress of International Society for Posture & Gait Research (ISPGR) and Gait and Mental Function Proceedings.*
12. **Nonaka, T.** (2011). Vicarious action: the case of a Japanese calligrapher with quadriplegia. *16th International Conference on Perception-Action Proceedings*, p.131.
13. **Nonaka, T.** (2011). What is the behavior of a C4 quadriplegic Japanese calligrapher constant function of? B.G. Bardy, J. Lagarde and D. Mottet (Eds.) *BIO Web of Conferences 1*, 00068. DOI:10.1051/bioconf/20110100068.
14. Coubard, O. A., Ferrufino, L., Bril, B., **Nonaka, T.**, & Dietrich, G. (2012). Motor flexibility as potential condition of cognitive flexibility in aging. *XII^{ème} Colloque International sur le Vieillissement Cognitif*, Tours, France
15. **Nonaka, T.** & Bril, B. (2011). Dynamics of Asymmetric Bimanual Coordination in Dexterous Tool-use. In E. Charles & L. J. Smart (Eds.), *Studies in Perception & Action XVI*, pp.224-229, Routledge. Philadelphia: PA.
16. Yasuda, K., **Nonaka, T.**, Sakurai, R., Kawasaki, T., & Higuchi, T. (2011). The influence of tactile planter stimulus on dynamic patterns of postural sway. *20th International Conference of International Society for Posture & Gait Research.*
17. Rein, R., **Nonaka, T.**, & Bril, B. (2010). Decreasing movement variability with increasing skill level in a complex tool-use task, *4th Conference of the International Society for Gesture Studies.*
18. Bril, B., Rein, R. & **Nonaka, T.** (2009). Functional tuning of action to task constraints in tool-use: The case of stone knapping. In J. B. Wagman & C. Pagano (Eds.), *Studies in Perception & Action XV*, pp.5-10. Routledge. Philadelphia: PA.
19. **Nonaka, T.** Bril, B., Rein, R. (2009). Affordances in complex action: Foreseeing a potential flake in a stone. *15th International Conference on Perception and Action Proceedings*, p.81.

20. **Nonaka, T.**, Nishizaki, M., & Sasaki, M. (2007). Dynamics of the Act of Drawing from Life. In S. Cummins-Sebree, M. A. Riley & K. Shockley (Eds.), *Studies in Perception & Action IX*. pp.41-45. Marwah, NJ: Lawrence Erlbaum Associates.
21. Stoffregen, T. A., & **Nonaka, T.** (2007). Nested Affordances. *14th International Conference on Perception and Action Proceedings*. pp.83-84.
22. Roussel, D., **Nonaka, T.**, & Bril, B. (2007). Squatting as a Flexible Posture to Adapt to Environmental Surface Layout. *14th International Conference on Perception and Action Proceedings*. pp.81-82.
23. Sasaki, M., & **Nonaka, T.** (2007). *Akachan* Movie Database and its Ramifications – On Nesting of Actions and Affordances –. *14th International Conference on Perception and Action Proceedings*. pp.77-78.
24. **Nonaka, T.** (2007). Nonlinear Analysis of Meaningful Behavior: Dynamics of the Act of Drawing from Life. *24nd Annual Conference of the Japanese Cognitive Science Society Proceedings*. pp.284-285.
25. **Nonaka, T.** (2006). When a toddler start handling multiple detached objects. *Third International Workshop on Evolutionary Cognitive Science Proceedings*. p.9.
26. **Nonaka, T.** (2005). An Observational Study of a Toddler's Clean Up Tasks. *13th International Conference on Perception and Action Proceedings*. pp.284-285.
27. **Nonaka, T.** (2005). On Actions that Modify the Surface Layout of the Environment. *22nd Annual Conference of the Japanese Cognitive Science Society Proceedings*. p.14.
28. **Nonaka, T.** (2005). Modification of the layout of detached objects and acquisition of flexibility in postural control. *The 2nd Annual Conference of Japanese Association of Qualitative Psychology Proceedings*. p.110.

PUBLICATIONS (Books)

1. **Nonaka, T.** (2016). *Gutai no Chinou* (Somatic Logic). Tokyo, Japan: Kaneko Shobo. (in Japanese).
2. Someya, M., Hosoda, N., **Nonaka, T.**, & Sasaki, M. (2016). *Affordances and Body*. Tokyo, Japan: Kaneko Shobo. (in Japanese).

PUBLICATIONS (Book Chapters)

1. **Nonaka, T.** (forthcoming). Towards an Ecology of Evolving Skills. In T. Wynn, K. Overmann, & F. Coolidge (Eds.) Oxford Handbook of Cognitive Archaeology. Oxford University Press.
2. **Nonaka, T.** (2019). The Triad of Medium, Substance, and Surfaces for the Theory of Further Scrutiny. In J. Wagman & J. Blau (Eds.) *Perception as Information Detection: Reflections on Gibson's Ecological Approach to Visual Perception* (pp. 21-36). New York, NY: Routledge.
3. **Nonaka, T.** (2017). Ecology of Performance. In M. Kage (Eds.), *12 Theories of Performance*. Tokyo, Japan: Kongo Shuppan. (in Japanese).
4. **Nonaka, T.** (2013). Resources for change. In M. Sasaki (Eds.), *The Body: Encountering the Environment*. pp.175-196. Tokyo, Japan: University of Tokyo Press. (in Japanese).
5. **Nonaka, T.** (2008). Development of infants from ecological point of view. In M. Sasaki (Eds.), *Affordances in Infant Development*. Pp.60-71. Tokyo, Japan: Shougakukan. (in Japanese).
6. **Nonaka, T.** (2006). Detached Objects and Action. In H. Suzuki & The Japanese Society for Artificial Intelligence (Eds.), *The Emergence and Origins of Intelligence*. Pp.66-92. Tokyo, Japan: Ohm-Sha. (in Japanese).

Conference Symposia Organized

1. Symposium Organizer, *Developmental Systems Theory and Affordances*. Symposium at the 19th Conference on Developmental Psychology, Osaka, Japan, 2008.
2. Symposium Organizer, *Akachan Movie Database and its Ramifications – On Nesting of Actions and Affordances –* (with M. Sasaki). Symposium at the 14th International Conference on Perception and Action, Yokohama, Japan, 2007.

Presentations & Colloquia

1. Aoi, I., & **Nonaka, T.** (2021). Spontaneous hand movement of a pre-sitting infant and its environment. *The 32nd Annual Meeting for the Japan Society of Developmental Psychology*. Mar 30, 2021

2. **Nonaka, T.** (2019). Development of skills to use specific affordances: Changes in infant-mother dyads around transitions in infant feeding, *International Conference on Perception and Action 2019*, Groningen, Netherlands.
3. **Nonaka, T.** (2016). Cultural entrainment of motor skill development: Learning to write letters in Japanese primary school. *International Society for Ecological Psychology America*, Clemson University, SC.
4. Nagai, L., & **Nonaka, T.** (2015). Development of Gaze Movement Pattern during Piano Practice. *The 32nd Annual Meeting of the Japanese Cognitive Science Society*, Chiba University, Japan.
5. Ohtagaki, A., & **Nonaka, T.** (2015). Synchronization of Gait Pattern to the External Events: The Case of an Escalator. *The 32nd Annual Meeting of the Japanese Cognitive Science Society*, Chiba University, Japan.
6. Kotani, S., & **Nonaka, T.** (2015). Transmission of Skills in Japanese Traditional Lacquer Crafts. *The 32nd Annual Meeting of the Japanese Cognitive Science Society*, Chiba University, Japan.
7. **Nonaka, T.** (2015). The development of knowledge and skills as niche construction. *The 79th Annual Convention of the Japanese Psychological Association*, Nagoya, Japan.
8. **Nonaka, T.** (2014). Ecology of skills: The case of skills to control conchoidal fracture by means of direct hard-hammer percussion. *Theoretical Archaeology Group Conference 2014*, Manchester, England.
9. **Nonaka, T.** (2014). On a relationship between the architecture of the body and exploratory movement. *Japanese Conference on Ecological Psychology, 2014*, Toyohashi, Japan.
10. **Nonaka, T.** & Bril, B. (2013). On a possible relationship between fractality and dexterity, *the 17th International Conference on Perception and Action*, Estoril, Portugal.
11. **Nonaka, T.** & Maeshima, H. (2013). Selection and differentiation of places by toddlers during free play in the clay topos. *17th International Conference on Perception and Action*. Estoril, Portugal.
12. Maeshima, H., & **Nonaka, T.** (2013). Experience in the clay topos reflected in children's drawings. *17th International Conference on Perception and Action*. Estoril, Portugal.
13. Hiragami, S., **Nonaka, T.**, & Suzuki, Y. (2013). Specificity of postural sway to the demands of a precision task in patients recovering from stroke. *17th International Conference on Perception and Action*. Estoril, Portugal.

14. Hiragami, S., **Nonaka, T.**, & Suzuki, Y. (2013). Task-specificity of postural control in patients recovering from stroke. *2nd Joint World Congress of ISPGR / Gait & Mental Function*. Akita, Japan.
15. Coubard, O. A., Ferrufino, L., Bril, B., **Nonaka, T.**, & Dietrich, G. (forthcoming). Dynamic models provide insight into how motor trainings improve posture in aging. *The 2nd Joint World Congress of International Society for Posture & Gait Research (ISPGR) and Gait and Mental Function*, Akita, Japan.
16. **Nonaka, T.** (2012). What exists in the sentient world that allows us to be sentient? *Colloquium with Tim Ingold*, University of Tokyo, Japan
17. **Nonaka, T.** (2011). What is the behavior of a C4 quadriplegic Japanese calligrapher constant function of? *The International Conference of the European SKILLS Project*
18. **Nonaka, T.** (2011). Vicarious action: the case of a Japanese calligrapher with quadriplegia. *16th International Conference on Perception and Action*, Brazil.
19. **Nonaka, T.** (2010, invited). On Specificity of Action Development to Affordances. *The Japanese Physical Therapy Association Annual Workshop*, Japan.
20. Rein, R., **Nonaka, T.**, & Bril, B. (2010) Decreasing movement variability with increasing skill level in a complex tool use task, *4th Conference of the International Society for Gesture Studies*.
21. **Nonaka, T.** (2009). Gibson's Reasons for Realism: Comments on Anthony Chemero's "Radical Embodied Cognitive Science". *Colloquium with Anthony Chemero*, Rikkyo University Japan.
22. **Nonaka, T.** Bril, B., Rein, R. (2009). Affordances in complex action: Foreseeing a potential flake in a stone. *15th International Conference on Perception*. Minneapolis, U.S.A.
23. **Nonaka, T.** (2009, invited). Applying the Theory of Action Systems to Rehabilitation. *The Japanese Physical Therapy Association Annual Workshop*, Japan.
24. **Nonaka, T.**, Rein, R., & Bril, B. (2009). HANDTOMOUTH Project Report. Parma, Italy.
25. **Nonaka, T.** (2008, invited). (Re)Acquisition of Action: The Role of Exploration and Posture. *The Japanese Physical Therapy Association Annual Workshop*, Japan.

26. **Nonaka, T.** (2008). Developmental Systems Theory and Affordances. *The 19th Conference on Developmental Psychology*, Osaka, Japan.
27. Stoffregen, T. A., & **Nonaka, T.** (2007). Nested Affordances. *14th International Conference on Perception and Action*. Yokohama, Japan.
28. Roussel, D., **Nonaka, T.**, & Bril, B. (2007). Squatting as a Flexible Posture to Adapt to Environmental Surface Layout. *14th International Conference on Perception and Action*. Yokohama, Japan.
29. **Nonaka, T.** (2006). Niche Shift as Acquisition of a New Set of Affordances. *Annual International Workshop of Japanese Society of Developmental Psychology*. Waseda University, Tokyo, Japan.
30. **Nonaka, T.** (2005). An Observational Study of a Toddler's Clean Up Tasks. *13th International Conference on Perception and Action*. Monterey, U.S.A.
31. **Nonaka, T.** (2005). Modification of the layout of detached objects and acquisition of flexibility in postural control. *The 2nd Annual Conference of Japanese Association of Qualitative Psychology*. University of Tokyo, Japan.
32. **Nonaka, T.** (2004). Global Array and Affordances. *The 1st Annual Conference of Japanese Society for Ecological Psychology*. University of Tokyo, Tokyo, Japan.

Invited Talks

1. **Nonaka, T.** (2021). How do we control the encounters with the environment? , *54th Annual Philosophy Colloquium - What's Next!?! - Embodiment and the Future*, University of Cincinnati.
2. **Nonaka, T.** (2015). Ecology of skills: How do we control the encounters with the environment? *Second International Workshop on Skill Science: Associated with JSAI International Symposia on AI 2015*, Keio University, Tokyo.
3. **Nonaka, T.** (2015). Dynamics of Handwriting Development: The case of Hiragana learning in Japanese Primary School. *GRAC open seminar on learning and transmission*, École des Hautes Études en Sciences Sociales, Paris.
4. **Nonaka, T.** (2014). *How do we control the encounters with the environment?* Liverpool University, Evolutionary Anthropology Group & Perception Group joint lecture, Liverpool, England.
5. **Nonaka, T.** (2014). *On Somatic Logic*. Ecole des Hautes Etudes en Sciences Sociales, Paris, France.

6. **Nonaka, T.** (2013). *Fractal dynamics in dexterous tool-use*. Ecole des Hautes Etudes en Sciences Sociales, Paris, France.
7. **Nonaka, T.** (2012). *Ecology of Skills*. Ecole des Hautes Etudes en Sciences Sociales, Paris, France.

PROFESSIONAL AFFILIATIONS

International Society for Ecological Psychology, The Japanese Psychological Association, Japanese Cognitive Science Society, Japanese Society for Developmental Psychology, Japanese Society for Ecological Psychology, Japanese Association of Qualitative Psychology

Leadership Roles

2012 - current Board of Directors, Japanese Society for Ecological Psychology

Journal Editorial Boards

2020-current Frontiers in Neuroscience / Frontiers in Psychology Review Editor for Perception Science

2016-current Consulting Editor, *Ecological Psychology*

2012-current Associate Editor, *Journal of Ecological Psychology*

Journal Referee

Journal of Experimental Psychology: Human Perception and Performance, Ecological Psychology, Neuropsychology Review, Quaternary International, Animal Behavior, Biology Letters, Animal Cognition, Journal of Motor Behavior, Human Movement Science, American Journal of Physical Anthropology, Scientific Reports, PLOS One

Courses Taught

- *Undergraduate*: Perception and Action, Seminar on Affordances (Kobe University), Psychology of Affordances (University of Tokyo), Experimental Psychology (Rikkyo University), Cognitive Psychology (Japan Institute of Moving Image), Human Development, Motor Development (Kibi International University)

- Graduate: Perception and Action, Seminars on Perception and Action (Kobe University)

RESEARCH FEATURES IN PUBLIC MEDIA

2011 Fumiyuki Makino: the movement of a tetraplegic mouth calligrapher In *Sanyo Shinbun*
(Japanese Newspaper), 8, June, 2011.