

平成 30 年度研究業績一覧

2019 年 3 月 31 日現在

豊橋技術科学大学 情報・知能工学系 視覚認知情報学研究室

学術論文

Tamura, H., Higashi, H., Nakauchi S., Dynamic Visual Cues for Differentiating Mirror and Glass., *Scientific Reports*, DOI:10.1038/s41598-018-26720-x (2018)

Suzuki, Y., Minami, T., Nakauchi, S., Association between pupil dilation and implicit processing prior to object recognition via insight, *Scientific Reports*, DOI:10.1038/s41598-018-25207-z (2018)

Minami, T., Nakajima, K., Nakauchi, S., Effects of Face and Background Color on Facial Expression Perception, *Frontiers in Psychology*, Vol. 9, p.1012,
DOI: 10.3389/fpsyg.2018.01012(2018)

M. V. Bui, M. M. Rahman, Nakazawa, N., Okazaki, E., Nakauchi, S., Visualize the quality of frozen fish using fluorescence imaging aided with excitation-emission matrix, *Optics Express*, Vol.26, No.18, doi.org/10.1364/OE.26.022954(2018/9)

Tamura, H., Nakauchi, S., The rotating glass illusion: material appearance is bound to perceived shape and motion, *i-Perception*, Vol.9, No.6, pp.1-5, doi.org/10.1177/2041669518816716(2018/12)

Rahman, Md, M., Shibata, M., Elmasry G., Nakazawa, N., Nakauchi, S., Hagiwara, T., Osako, K., Okazaki, E., Expeditious prediction of post-mortem changes in frozen fish meat using three-dimensional fluorescence fingerprints, *Bioscience, Biotechnology, and Biochemistry*, doi.org/10.1080/09168451.2019.1569494(2019/1)

Nishino, K., Haryu, Y., Kinoshita, A., Nakauchi, S., Development of the Multi-spectral UV Polarization Reflectance Imaging System (MUPRIS) for In-Situ Monitoring of the UV Protection Efficacy of Sunscreen on Human Skin, *Skin Research and Technology*, (in press)

中古賀 理, 二瓶裕司, 中内茂樹, 南 哲人, 顔色が低解像度顔刺激における表情認知に及ぼす影響, *日本感性工学会論文誌*, Vol.18, No.1, pp.79-85 doi: 10.5057/jjske.TJSKE-D-18-00035, (2019)

国際会議

Nakauchi, S., Kondo, T., Higashi, H., Linhares, M.M. J., Nascimento, M.C. S., Color statistics underlying preference judgement for art paintings, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.229, (2018/5/18-23:5/21;Poster)

Suzuki, Y., Minami, T., Laeng, B., Nakauchi, S., The differential effect of glowing appearance in the glare illusion: evidence from pupillometry, *Vision Sciences Society 18th Annual Meeting VSS2018, St. Pete Beach, USA*, p.232, (2018/5/18-23:5/21;Poster)

Wakamatsu, K., Kwon J., Sakamoto, M., Nakauchi, S., Sound symbolism expressing visual texture on different linguistic backgrounds, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.227, (2018/5/18-23:5/21;Poster)

Shiromi, K., Hiroshi, H., Shehata, M., Shimojo, S., Nakauchi, S., #TheDress type of color ambiguity induced by T-shirt image based on physically-based rendering, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.68, (2018/5/18-23:5/19;Poster)

Taniyama, Y., Suzuki, Y., Kondo, T., Minami, T., Nakauchi, S., Association between pupil constriction and aesthetic preference/naturalness in art-paintings, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.231, (2018/5/18-23:5/21;Poster)

(中内先生なし)

Tamura, H., Prokott E Konrad., Fleming W Roland., Distinguishing Mirror from Glass, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.235, (2018/5/18-23:5/19;Poster)

Linhares, M.M. J., Montagner, C., Bailão, A., Okada, N., Maruchi, K., Kondo, T., Nakauchi, S., Nascimento, M.C. S., Chromatic differences between colours retrieved from RGB and hyperspectral images, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.159, (2018/5/18-23:5/20;Poster)

Shehata, M., Elnagar, S., Yasunaga, S., Nakauchi, S., Shimojo, S., Flow of the eye: Gaze direction as an objective measure of flow experience, *Vision Sciences Society 18th Annual Meeting (VSS2018, St. Pete Beach, USA)*, p.318, (2018/5/18-23:5/22;Poster)

Shehata, M., Cheng, M., Tseng, C., Nakauchi, S., Shimojo, S., Neural correlates of interpersonal flow experience, *Organization of Human Brain Mapping Annual Meeting* (Singapore; 2018/6/17-21)

M. V. Bui, M. M. Rahman, Nakazawa, N., Okazaki, E., Nakauchi, S., Visualize the quality of frozen fish using excitation-emission matrix technique, *International Conference on Advance Informatics: Concepts, Theory and Applications 2018(ICAICTA2018, Krabi, Thailand)*, (2018/8/15-17:8/16;Poster)

Nakakoga, S., Kajita, H., Higashi, H., Nakauchi, S., Minami T., Pupillary changes reflect visual spatial attention modulated by emotional sounds, *European Conference on Visual Perception 2018(ECVP2018, Trieste, Italy)*, p.30, (2018/8/26-30:8/28;Poster)

Nihei, Y., Higashi, H., Minami, T., Nakauchi, S., Rapid categorization of face-like objects in a fast-periodic visual stimulation, *European Conference on Visual Perception 2018(ECVP2018, Trieste, Italy)*, p.34, (2018/8/26-30:8/28;Poster)

Imura, T., Kondo, T., Shirai, N., Nakauchi, S., Preference for chromatic composition of art paintings by children aged 6- to 12-year old, *European Conference on Visual Perception 2018(ECVP2018, Trieste, Italy)*, p.27, (2018/8/26-30:8/28;Poster)

(中内先生なし)

Tamura, H., Prokott E., Fleming W R., Modulating luminance and color saturation disambiguates mirror and glass, *European Conference on Visual Perception 2018(ECVP2018, Trieste, Italy)*, p.55, (2018/8/26-30:8/28;Poster)

著書

解説論文

特許

受賞・表彰

国内発表

若松滉太, 権眞煥, 坂本真樹, 中内茂樹, 光沢感における質感と音声の干渉現象, 第6回多元質感知領域班会議, p. 49 (2018/6/27-6/29; 6/28; 北海道大学; ポスター)

Sato, F., Laeng, B., Nakauchi, S., Minami, T., Pupil dilation reflects "Viewing from above bias" in the effort to control perception, 第41回日本神経科学大会, p. 191 (2018/7/26-29; 7/26; 神戸国際会議場; ポスター)

中古賀理, 二瓶裕司, 中内茂樹, 南哲人, 顔色が低解像度顔刺激における表情認知に及ぼす影響, 第20回日本感性工学会大会, p. (2018/9/4-6; 9/5; 東京大学; 口頭)

田村秀希, Prokott, K, E, Fleming, W. R., 中内茂樹, ヒトらしく振る舞うように学習させた鏡・ガラス材質識別モデル, 質感のつどい第4回公開フォーラム, p. 13 (2018/10/10; 東京工業大学すずかけ台キャンパスすずかけホール; ポスター)

若松滉太, 権眞煥, 坂本真樹, 中内茂樹, 質感の音象徵における言語普遍性, 質感のつどい第4回公開フォーラム, p. 14 日に (2018/10/10; 東京工業大学すずかけ台キャンパスすずかけホール; ポスター)

谷山祐真, 鈴木雄太, 近藤泰成, 南哲人, 中内茂樹, 絵画の色相反転が主観的評価と瞳孔反応に与える影響, 質感のつどい第4回公開フォーラム, p. 16 (2018/10/10; 東京工業大学すずかけ台キャンパスすずかけホール; ポスター)

(中内先生なし)

田村秀希, Prokott, K, E, Fleming, W. R., ヒトらしく振る舞う材質識別モデルを目指して, 第7回多元質感知領域班会議, p. 55 (2019/3/13-15; 3/14; 淡路夢舞台国際会議場; ポスター)

若松滉太, Michael J. Proulx, 中内茂樹, 質感におけるクロスマーダルプライミング効果, 第7回多元質感知領域班会議, p. 57 (2019/3/13-15; 3/14; 淡路夢舞台国際会議場; ポスター)

谷山祐真, 二瓶裕司, 南哲人, 中内茂樹, オドボールタスクにおけるP3振幅の非対称性は絵画に対する主観的選好を反映する, 第7回多元質感知領域班会議, p. 56 (2019/3/13-15; 3/14; 淡路夢舞台国際会議場; ポスター)

西本雅也, 田村秀希, 中内茂樹, 絵画配色の選好に関する大規模被験者実験, 第7回多元質感知領域班会議, p. 54 (2019/3/13-15; 3/14; 淡路夢舞台国際会議場; ポスター)

坂本真樹, 中内茂樹, 渡邊淳司, 渡辺亮, 物理量-知覚特性-言語表現を結ぶ質感DBの構築, 第7回多元質感知領域班会議, p. 52 (2019/3/13-15; 3/14; 淡路夢舞台国際会議場; ポスター)

招待講演

報道

「ひらめく前に瞳孔が開く」 東日新聞 2018. 6. 25

「ひらめくと瞳孔が拡大」 日刊工業新聞 2018. 6. 25