

## 研究業績

### 2.2 国際会議論文集など（査読付き）

- 1) 米田正次郎, 中西功, 佐々木逸雄, 笠井保 : 「Non-Recursive Filter Type Switched-Capacitor DFT Circuit Suitable for Its Inverse one」 : Proc. of 1986 Joint Technical Conference on Circuits and Systems (JTC-CAS'86), pp.83-90, 10月(1986) (採択率 : ?%)
- 2) 鈴木正信, 中西功, 山本毅, 副井裕 : 「Composite-Adaptive Algorithms and Their Applications」 : Proc. of 1993 Joint Technical Conference on Circuits/Systems, Computers and Communications (JTC-CSCC'93), Vol.1, pp.442-447, 7月(1993) (採択率 : ?%)
- 3) 中西功, 副井裕 : 「Pattern Recognition Using Hierarchical Feature Type and Location」 : Proc. of 1993 International Joint Conference on Neural Networks (IJCNN'93), Vol.3, pp.2165-2168, 10月(1993) (採択率 : 95%)
- 4) 中西功, 副井裕 : 「Normalized Adaptive Convergence Factor Algorithm」 : Proc. of 1994 Joint Technical Conference on Circuits/Systems, Computers and Communications (JTC-CSCC'94), Vol.1, pp.270-275, 7月(1994) (採択率 : ?%)
- 5) 中西功, 山本毅, 副井裕 : 「A New Composite-Adaptive Algorithm with Reduced Computational Complexity」 : Proc. of 1994 IEEE Asia-Pacific Conference on Circuits and Systems (APCCAS'94), pp.364-369, 12月(1994) (採択率 : 75%)
- 6) 中西功, 伊藤良生, 副井裕 : 「Biased Adaptive Convergence Factor Algorithm」 : Proc. of 1995 Joint Technical Conference on Circuits/Systems, Computers and Communications (JTC-CSCC'95), Vol.1, pp.730-733, 7月(1995) (採択率 : 87%)
- 7) 中西功, 伊藤良生, 副井裕 : 「A New Adaptive Damped Convergence Factor Algorithm with a Bias Term」 : Proc. of 1996 IEEE International Symposium on Circuits and Systems (ISCAS'96), Vol.2, pp.97-100, 5月(1996) (採択率 : ?%)
- 8) 中西功, 伊藤良生, 副井裕 : 「A New Frequency Domain Adaptive Filter Using a Modified Discrete Fourier Transform Pair」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC'96), pp.824-827, 7月(1996) (採択率 : ?%)
- 9) 中西功, 伊藤良生, 副井裕 : 「A Frequency Domain Adaptive FIR Filter」 : Proc. of 1996 IEEE International Workshop on Intelligent Signal Processing and Communication Systems (ISPACS'96), pp.1605-1609, 11月(1996) (採択率 : 28%)
- 10) 中西功, 伊藤良生, 副井裕 : 「A New Frequency Domain Composite Adaptive Filter」 : Proc. of 1997 IEEE International Symposium on Circuits and Systems (ISCAS'97), pp.2276-2279, 6月(1997) (採択率 : 60%)
- 11) James Okello, 伊藤良生, 中西功, 副井裕, 小林正樹 : 「An Adaptive IIR Digital

- Filter Based on Estimation of Allpass and Minimum- Phase System」: Proc. of 1997 IEEE International Symposium on Circuits and Systems(ISCAS'97), pp.2313-2316, 6月(1997) (採択率: 60%)
- 12) 濱橋義久, 中西功, 伊藤良生, 副井裕: 「A Frequency Domain Composite Adaptive FIR Filter and Reduction Methods of Its Computational Complexity」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC'97), pp.291-294, 7月(1997) (採択率: 85%)
  - 13) James Okello, 伊藤良生, 中西功, 副井裕, 小林正樹: 「A New Modified Variable Step Size for The LMS Algorithm」: Proc. of 1998 IEEE International Symposium on Circuits and Systems(ISCAS'98), vol.V, pp.170-173, 6月(1998) (採択率: 43%)
  - 14) 濱橋義久, 中西功, 辻明典, 伊藤良生, 副井裕: 「Performance Improvement of Adaptive Filters Using MDFT Pair」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC'98), pp.1483-1486, 7月(1998) (採択率: 88%)
  - 15) 中西功, 濱橋義久, 伊藤良生, 副井裕: 「Frequency Domain Adaptive FIR Filter with Improved Performance」: Proc. of 1998 IEEE International Workshop on Intelligent Signal Processing and Communication Systems (ISPACS'98), pp.767-771, 11月(1998) (採択率: 75%)
  - 16) 中西功, 伊藤良生, 副井裕: 「Transform Domain Neural Filters」: Proc. of 1999 IEEE International Symposium on Circuits and Systems(ISCAS'99), vol.V, pp.579-582, 5月(1999) (採択率: 64%)
  - 17) 中西功, 濱橋義久, 伊藤良生, 副井裕: 「Frequency Domain Adaptive Noise Reduction Using Modified DFT Pair」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC'99), pp.1370-1373, 7月(1999) (採択率: 84%)
  - 18) 中西功, 濱橋義久, 伊藤良生, 副井裕: 「Fast Frequency Domain Adaptive Filter」: Proc. of 1999 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS'99), pp.453-456, 12月(1999) (採択率: 77%)
  - 19) 中西功, 伊藤良生, 副井裕: 「Accelerated Frequency Domain Adaptive Filter Using Modified DFT Pair and Its Application to Noise Canceling」: Proc. of 2000 IEEE International Symposium on Circuits and Systems (ISCAS2000), vol. V, pp.361-364, 5月(2000) (採択率: 66%)
  - 20) 中西功, 中村陽一, 伊藤良生, 副井裕: 「Noise Cancellation System Based on Frequency Domain Adaptive Filter Using Modified DFT Pair」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2000), pp.225-228, 7月(2000) (採択率: 92%)
  - 21) 中西功, 中村陽一, 伊藤良生, 副井裕: 「A Noise Reduction System Based on

- Frequency Domain Adaptive Filter Using Modified DFT Pair」: Proc. of International Workshop on Signal Processing Application and Technology (SPAT2000), pp.160-165, 10月(2000) (採択率: ?%)
- 22) 中西功, 中村陽一, 伊藤良生, 副井裕: 「Application of Frequency Domain Adaptive Filter Using Modified DFT Pair to Noise Reduction Systems」: Proc. of 2000 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2000), pp.250-255, 11月(2000) (採択率: 77%)
- 23) 中西功, 伊藤良生, 副井裕, 藤井健作: 「Noise Reduction System Using Modified DFT Pair」: Proc. of 2000 IEEE International Symposium on Circuits and Systems (ISCAS2001), vol. II, pp.9-12, 5月(2001) (採択率: 71%)
- 24) 中西功, 伊藤良生, 副井裕: 「Noise Reduction System Based on Frequency Domain Adaptive Filter Using Modified DFT Pair」: Proc. of 2000 IEEE International Symposium on Circuits and Systems (ISCAS2001), vol. II, pp.737-740, 5月(2001) (採択率: 71%)
- 25) 中西功, 伊藤良生, 副井裕: 「Two-Dimensional Frequency Domain Adaptive Filter Using Modified DFT Pair」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2001), vol. I, pp.584-587, 7月(2001) (採択率: 80%)
- 26) 中西功, 西口直登, 伊藤良生, 副井裕: 「On-line Signature Verification Method Using Adaptive Algorithm in Wavelet Transform Domain」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2002), vol. I, pp.385-388, 7月(2002) (採択率: ?%)
- 27) 中西功, 伊藤良生, 副井裕: 「Frequency Domain Noise Reduction System Using Nonlinear Predictor」: Proc. of 2002 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2002), pp.187-191, 11月(2002) (採択率: 62%)
- 28) 中西功, 西口直登, 伊藤良生, 副井裕: 「On-Line Signature Verification Method Utilizing Feature Extraction Based on DWT」: Proc. of 2003 IEEE International Symposium on Circuits and Systems (ISCAS2003), vol. IV, pp.73-76, 5月(2003) (採択率: 66%)
- 29) 中西功, 西口直登, 伊藤良生, 副井裕: 「Feature Extraction and Discrimination Method Based on DWT for On-Line Signature Verification」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2003), pp.1136-1139, 7月(2003) (採択率: 88%)
- 30) 中西功, 西口直登, 伊藤良生, 副井裕: 「On-Line Signature Verification Based on DWT and Adaptive Algorithm」: Proc. of 2003 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2003),

- pp.553-556, 12月(2003) (採択率: 80%)
- 31) 中西功, 西口直登, 伊藤良生, 副井裕: 「On-Line Signature Verification Method Based on Discrete Wavelet Transform and Adaptive Signal Processing」: Proc. of 2003 Workshop on Multimodal User Authentication (MMUA2003), pp.207-214, 12月(2003) (採択率: ?%)
  - 32) 中西功, 浅倉健徳, 伊藤良生, 副井裕: 「Speech Noise Reduction Based on Frequency Domain Adaptive Line Enhancer」: Proc. of 2004 International Congress on Acoustics (ICA2004), vol. II, pp.1667- 1670, 4月(2004) (採択率: ?%)
  - 33) 中西功, 坂本大征, 西口直登, 伊藤良生: 「DWT Domain On-Line Signature Verification Based on Moving Vector」: Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2004), pp.7F3P-56-1-4, 7月(2004) (採択率: 91%)
  - 34) 中西功, 西口直登, 伊藤良生, 副井裕: 「On-Line Signature Verification Based on Discrete Wavelet Domain Adaptive Signal Processing」: D. Zhang and A. Jain Eds., "Biometric Authentication"(Proc. of ICBA2004), pp.584-591, 7月(2004) (採択率: 64%)
  - 35) 中西功, 坂本大征, 西口直登, 伊藤良生: 「DWT Domain On-Line Signature Verification Using Pen-movement Vector」: Proc. of The 47<sup>th</sup> IEEE International Midwest Symposium on Circuits and Systems(MWSCAS), vol. II, pp.569-572, 7月(2004) (採択率: 74%)
  - 36) 中西功, 浅倉健徳, 伊藤良生, 副井裕: 「Frequency Domain De-correlation Parameter in Speech Noise Reduction System Based on Frequency Domain Adaptive Line Enhancer」: Proc. of The 47<sup>th</sup> IEEE International Midwest Symposium on Circuits and Systems(MWSCAS), vol. II, pp.13-16, 7月(2004) (採択率: 74%)
  - 37) 中西功, 坂本大征, 西口直登, 伊藤良生, 副井裕: 「Multi-matcher On-line Signature Verification in DWT Domain」: Proc. of International Symposium on Communication and Information Technologies 2004 (ISCIT2004), pp.509-514, 10月(2004) (採択率: 74%)
  - 38) 中西功, 坂本大征, 伊藤良生, 副井裕: 「Multi-matcher On-line Signature Verification System in DWT Domain」: Proc. of IEEE 2005 International Conference on Acoustics, Speech and Signal Processing (ICASSP2005), vol. II, pp.965-968, 3月(2005) (採択率: 52%)
  - 39) 中西功, 坂本大征, 伊藤良生, 副井裕: 「DWT Domain Multi-matcher On-line Signature Verification System」: Proc. of IEEE 2005 International Symposium on Circuits and Systems(ISCAS2005), pp.5413-5416, 5月(2005) (採択率: 67%)
  - 40) 中西功, 坂本大征, 伊藤良生, 副井裕: 「Optimal User Weighting Fusion in DWT Domain On-line Signature Verification」: Proc. of IEEE 2005 International

- Symposium on Circuits and Systems (ISCAS2005), pp.1698-1701, 5月(2005) (採択率 : 67%)
- 41) 坂本大征, 中西功, 原秀樹, 伊藤良生, 副井裕 : 「DWT Domain On-Line Signature Verification Using Pen-movement Angle」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2005), pp.3-4, 7月(2005) (採択率 : 87%)
  - 42) 中西功, 坂本大征, 伊藤良生, 副井裕 : 「Optimal User Weighting Fusion in DWT Domain On-Line Signature Verification」 : T. Kanade, A. Jain, and N. Ratha (Eds.), AVBPA2005, LNCS3546, Springer-Verlag, Berlin Heidelberg, pp.758-766, 7月(2005) (採択率 : 65%)
  - 43) 中西功, 浅倉健徳, 伊藤良生, 副井裕 : 「Speech Noise Reduction System Based on Frequency Domain ALE Using Modified DFT Pair」 : Proc. of 2005 International Workshop on Acoustic Echo and Noise Control (IWAENC 2005), pp.137-140, 9月(2005) (採択率 : ? %)
  - 44) 中西功, 永田雄大, 浅倉健徳, 伊藤良生, 副井裕 : 「Single-Channel Speech Enhancement Based on Frequency Domain ALE」 : Proc. of IEEE 2006 International Symposium on Circuits and Systems (ISCAS2006), pp.2541-2544, 5月(2006) (採択率 : 59%)
  - 45) 永田雄大, 中西功, 伊藤良生, 副井裕 : 「Performance Improvement of Noise Reduction System Using Modified DFT Pair」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2006), pp.365-368, 7月(2006) (採択率 : 90%)
  - 46) 中西功, 永田雄大, 伊藤良生, 副井裕 : 「Speech Noise Reduction System Using MDFT Pair - Formulation of Noise Subtraction Coefficient -」 : Proc. of 2006 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2006), pp.299-303, 12月(2006) (採択率 : 85%)
  - 47) 中西功, 原秀樹, 坂本大征, 伊藤良生, 副井裕 : 「Parameter Fusion in DWT Domain On-Line Signature Verification」 : Proc. of 2006 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2006), pp.395-398, 12月(2006) (採択率 : 85%)
  - 48) 中川武彦, 中西功, 伊藤良生, 副井裕 : 「Multi-Modal Biometrics Authentication Using On-Line Signature and Voice Pitch」 : Proc. of 2006 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2006), pp.399-402, 12月(2006) (採択率 : 85%)
  - 49) 宮本千正, 中西功, 原秀樹, 伊藤良生, 副井裕 : 「Biometrics Authentication Based on Spectrum Features of Electroencephalogram(EEG)」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2007), pp.141-142, 7月(2007) (採択率 : 87%)

- 50) 寄兼保大, 西尾裕治, 中西功, 伊藤良生, 副井裕 : 「Biometric Identity Verification Using Intra-Body Propagation Signal」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2007), pp. 1059-1060, 7月(2007) (採択率 : 87%)
- 51) 中西功, 寄兼保大, 伊藤良生, 副井裕 : 「Biometric Identity Verification Using Intra-Body Propagation Signal」 : Proc. of 2007 Biometrics Symposium, 9月(2007) (採択率 : ?%)
- 52) 小池将太, 中西功, 伊藤良生 : 「Score Level Fusion in DWT Domain On-Line Signature Verification」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2008), pp. 669-672, 7月(2008) (採択率 : 91%)
- 53) 馬場貞尚, 宮本千正, 中西功 : 「Personal Authentication Using New Feature Vector of Brain Wave」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2008), pp.673-676, 7月(2008) (採択率 : 91%)
- 54) 小池将太, 中西功, 伊藤良生 : 「Threshold Equalization Methods for On-Line Signature Verification」 : Proc. of the 11th International Conference on Frontiers in Handwriting Recognition (ICFHR2008), 8月(2008) (採択率 : 73%)
- 55) 宮本千正, 馬場貞尚, 中西功 : 「Biometric Person Authentication Using New Spectral Features of Electroencephalogram (EEG)」 : Proc. of 2008 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2008), pp.312-315, 3月(2009) (採択率 : 75%)
- 56) 湊勇氣, 中西功 : 「Noise Reduction System Using Signal and Noise Level Detectors in Frequency Domain」 : Proc. of 2008 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2008), pp.180-183, 3月(2009) (採択率 : 75%)
- 57) 中西功, 馬場貞尚, 宮本千正 : 「EEG Based Biometric Authentication Using New Spectral Features」 : Proc. of 2009 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2009), pp. 651-654, 12月(2009) (採択率 : 71%)
- 58) 中西功, 藤井健作 : 「Speech Noise Reduction Using Sequential Spectrum Detection Based on Modified DFT Pair」 : Proc. of 2009 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2009), pp. 65-68, 12月(2009) (採択率 : 71%)
- 59) 中西功, 宮本千正 : 「On-Demand Biometric Authentication of Computer Users Using Brain Waves」 : F. Zavoral et al. (Eds.), Networked Digital Technologies in the Communications in Computer and Information Science (CCIS) series of Springer LNCS, Vol. 87, pp. 504-514, 7月(2010) (採択率 : 39%)
- 60) 中西功, 曾谷勇太 : 「SVM-Based Biometric Authentication Using Intra-Body Propagation Signals」 : Proc. of 2010 7<sup>th</sup> IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS2010), pp. 561-566, 8月(2010) (採択率 : 53%)
- 61) 中西功, 中谷信吾, 小池將太 : 「Simply Partitioned DP Matching and Threshold Equalizing in DWT Domain On-line Signature Verification」 : Proc. of 12th International Conference of

- Frontiers in Handwriting Recognition (ICFHR2010), pp. 101-106, 11月 (2010) (採択率 : 72%)
- 62) 曾谷勇太, 中西功 : 「Introduction of SVM into Personal Authentication Using Intra-Body Propagation Signals」 : Proc. of 2010 International Technical Conference of IEEE Region 10 (TENCON2010), pp.1617-1621, 11月 (2010) (採択率 : 70%)
- 63) 中西功, 馬場貞尚, 李仕剛 : 「Driver Authentication Using Brain Waves While Route Tracing as a Mental Task」 : Proc. of the 6th International Conference on Security and Cryptography (SECRYPT 2011), pp. 90-96, 7月 (2011) (採択率 : 13%)
- 64) 中西功, 馬場貞尚, 李仕剛 : 「Evaluation of Brain Waves as Biometrics for Driver Authentication Using Simplified Driving Simulator」 : Proc. of 2011 International Conference on Biometrics and Kansei Engineering, pp. 71-76, 9月(2011)
- 65) 李仕剛, 大島英樹, 中西功, 藤村喜久郎 : 「Lane Departure Estimation by Side Fisheye Camera」 : Proc. of the 2011 IEEE International Conference on Mechatronics and Automation, pp. 1004-1009, 8月 (2011)
- 66) 曾谷勇太, 中西功, 李仕剛 : 「Introduction of 1vs1 SVM into Biometric Authentication Using Intra-Body Propagation Signals」 : Proc. of the 2011 International Workshop on Smart Info-Media System in Asia (SISA 2011), pp.141.-145, 10月 (2011)
- 67) 稲田高志, 中西功, 李仕剛 : 「Biometric Authentication Using Intra-Palm Propagation Signals」 : Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2012), 7月 (2012)
- 68) 中西功, 尾崎康太郎, 李仕剛 : 「Evaluation of the Brain Wave as Biometrics in a Simulated Driving Environment」 : Proc. of the International Conference of the Biometrics Special Interest Group (BIOSIG2012), pp. 351-361, 9月 (2012)
- 69) 李仕剛, Hanchao Jia, 中西功 : 「Interpolation of Discrete Spherical Image」 : Proc. of 2012 5th International Congress on Image and Signal Processing (CISP 2012), pp. 713-717, 10月 (2012)
- 70) 李仕剛, Hanchao Jia, 中西功 : 「Line Detection by Spherical Gradient」 : M. Kamei, and A Campilho (Eds.), ICIAR2013, LNCS 7950, Springer-Verlag, Berlin, Heidelberg, pp. 318-325, Jun. 2013.
- 71) 中西功, 稲田高志, 李仕剛 : 「Performance Evaluation of Intra-Palm Propagation Signals as Biometrics」 : Proc. of 2013 International Conference on Biometrics and Kansei Engineering (ICBAKE2013), pp. 91-94, Jul. 2013
- 72) 吉川拓也, 中西功, 李仕剛 : 「Person Authentication Using EEG -Verification Based on 1vs1SVM with Divided EEG Spectra-」 : Proc. of the 2013 International Workshop on Smart Info-Media System in Asia (SISA 2013), pp.367-371, Oct. 2013
- 73) 中西功, 福田紘尚, 李仕剛 : 「Biometric Verification Using Brain Waves toward On-Demand User Management Systems - Performance differences between divided regions in alpha-beta wave band」 : Proc. of the 6th International Conference on Security of Information and Networks (SIN 2013), pp. 131-135, Nov. 2013

- 74) I. Ogushi, T. Inada, I. Nakanishi, S. Li : 「Effect of Multivariate Analysis in Intra-Palm Propagation Signal Authentication」 , Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2014), pp.332-333, Jul. 2014
- 75) S. Li, H. Jia, I. Nakanishi : 「Computing Optical Flow from Bio-Inspired Spherical Retia」 : Proc. of 2014 IEEE International Conference on Mechatronics and Automation, pp. 547-552, Aug. 2014
- 76) I. Nakanishi, T. Inada, S. Li : 「New Dedicated Measuring Devices for Intra-Palm Propagation Signals」 , Proc. of the International Symposium on Biometric and Security Technologies (ISBAST'14), pp. 35-38, Aug. 2014
- 77) T. Inada, I. Ogushi, I. Nakanishi, S. Li: 「Use of Intra-Palm Propagation Signals as Biometrics」 , Proc. of 2014 International Conference on Information Systems and Computing Technology (ISCT2014), pp. 5-8, Oct. 2014
- 78) T. Yoshikawa, I. Nakanishi, S. Li :「Person Authentication Using EEGs」: Proc. of 2014 International Conference on Information Systems and Computing Technology (ISCT2014), pp. 9-13, Oct. 2014
- 79) R. Kitamura, S. Li, I. Nakanishi : 「Spherical FAST Corner Detector」 , Proc. of 2015 IEEE International Conference on Mechatronics and Automation (ICMA2015), pp. 2597-2602, Aug. 2015
- 80) I. Nakanishi, J. Hanada, 「A Sequential Processing Model for Speech Separation Based on Auditory Scene Analysis」 : Proc. of 2015 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2015), pp. 124-128, Nov. 2015
- 81) I. Nakanishi, T. Yoshikawa : 「Brain Waves as Unconscious Biometrics towards Continuous Authentication - The Effects of Introducing PCA into Feature Extraction -」 : Proc. of 2015 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2015), pp. 422-425, Nov. 2015
- 82) M. Hattori, Y. Izumi, I. Nakanishi, “A Study on EEG evoked by Invisible Visual Stimulation Toward Continuous User Verification,” Proc. of International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2016), pp. 629-632, Jul. 2016
- 83) (Invited) I. Nakanishi, “Unconscious Biometrics for Continuous User Verification,” Proc. of the 8th International Conference on Signal Processing Systems (ICSPS2016), Auckland, New Zealand, pp. 20-25, Nov. 2016
- 84) I. Nakanishi, I. Ogushi, R. Nishi, T. Murakami, “Effect of Propagation Signal and Path on Verification Performance Using Intra-Body Propagation Signals,” Proc. of 2017 International Conference on Biometrics Engineering and Application (ICBEA2017), Hong Kong, pp. 80-84, Apr. 2017
- 85) S. Li, T. Fujiura, I. Nakanishi, “Gaze-Based Interface for Wheelchair Robot - Acquiring Gaze Trajectory by Full-View Camera,” Proc. of Workshop on



Advances and challenges on the development, testing and assessment of assistive and rehabilitation robots (ICRA2017), pp. 25-26, May 2017

- 86) I. Nakanishi, M. Hattori, "Biometric Potential of Brain Waves Evoked by Invisible Visual Stimulation," Proc. of 2017 International Conference on Biometrics and Kansei Engineering (ICBAKE2017), pp. 94-99, Sep. 2017
- 87) T. Maruoka, K. Kambe, H. Harada, I. Nakanishi, "A Study on Evoked Potential by Inaudible Auditory Stimulation Toward Continuous Biometric Authentication," Proc. of 2017 IEEE R10 Conference (TENCON2017), pp. 1171-1174, Nov. 2017