

Curriculum Vitae

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EDUCATION

- D.Eng., Electrical Engineering, Tokai university, Japan,1983
- M.Eng., Electrical Engineering, Tokai university, Japan,1976
- B. Eng., Telecommunications Engineering, Tokai university, Japan,1974

Current Position

- Professor of Biomedical Engineering Program, Faculty of Biomedical Engineering, Rangsit University

OFFICE ADDRESS:

- Biomedical Engineering Program, Faculty of Biomedical Engineering, Rangsit University;
52/347 Paholyothin Road, Muang, Pathumtani, Thailand, 12000

OTHER PROFESSIONAL POSITIONS:

- Professor Emeritus, Tokai university, Japan

Books:

- 1 T. Matsuura et al. (2000) " Introduction to Green Function" , Tokai university press, (in Japanese)
- 2 T. Matsuura et al. (1999) . "Fourier Transform and Delta Function", Tokai university press, (in Japanese)
- 3 T. Matsuura et al, (1998)." How to Solve Wave Equation", Gendai-Kogaku-sya. (in Japanese)
- 4 T. Matsuura et al., (1981) "Laplace Transform and Delta Function", Tokai university press, (in Japanese).
- 5 T. Matsuura et al. ,(1997)."Solution of Laplace Equation" , Tokai university press, (in Japanese).
- 6 T. Matsuura et al.,(1996)."Basic Complex Integration" , Tokai university press, (in Japanese).
- 7 T. Matsuura et al.,(1996)."Applied Complex Integration" , Tokai university press, (in Japanese).
- 8 T. Matsuura et al.,(1996)." Calculation of Calculus" , Gendai-Kogaku- sya. (in Japanese)
- 9 T. Matsuura et al.,(1996)."Introduction to Linear Operator On Hilbert Space" , Gendai-Kogaku- sya. (in Japanese).
- 10 T. Matsuura et al.,(1996)." Laplace Transform and Its Application" , Gendai-Kogaku- sya. (in Japanese).

- 11 T. Matsuura et al.,(1995).” How to Solve Basic Ordinary Differential Equation”, Gendai-Kogaku- sya. (in Japanese).
- 12 T. Matsuura et al.,(1994).” Hilbert Space from Vector Space”, Gendai-Kogaku- sya. (in Japanese).
- 13 T. Matsuura et al.,(1995).” Z Transform and Its Application”, Gendai-Kogaku-sya. (in Japanese).
- 14 T. Matsuura et al., (1994).”Eigen Value Problem Of Matrix”, Gendai-Kogaku- sya. (in Japanese).
- 15 T. Matsuura et al.,(1994).”Fourier Transform and Its Application”, Gendai-Kogaku- sya. (in Japanese).
- 16 T. Matsuura et al.,(1994).”How to calculate Fourier Transform”, Gendai-Kogaku- sya. (in Japanese).
- 17 T. Matsuura et al.,(1993). ” Introduction to Lebesgue Integral”, Tokai university press, (in Japanese)
- 18 T. Matsuura et al.,(1993). ”Distribution from Discovery of Delta Function”,Gendai-Kogaku- sya. (in Japanese).
- 19 T. Matsuura et al.,(1993). ”Introduction to Hyper Function”,Gendai-Kogaku- sya. (in Japanese).
- 20 T. Matsuura et al.,(1995).” Calculus of Complex Variable”, Gendai-Kogaku- sya. (in Japanese).
- 21 T. Matsuura et al.,(1990). “Eigen Value and Diagonalization of Matrix”, Tokai university press, (in Japanese).
- 22 T. Matsuura et al.,(1985). ”Ordinary Differential Equation and Green Function”,Gendai-Kogaku- sya. (in Japanese).
- 23 T. Matsuura et al.,(1983). ”Introduction to Delta Function”,Gendai-Kogaku- sya. (in Japanese).
- 24 T. Matsuura et al.,(1981) “Laplace Transform and Delta Function”, Tokai university press, (in Japanese).

PUBLICATIONS

International Journal

- 1 T.Chaichana,Y.Piteeraphab,M.Sangworasil and T.Matsuura,”Implementation of Wireless Electrocardiogram Monitoring System”,International Journal of Electronics and Electrical Engineering,vol.4,No.3,pp.248-252,June 2016.
- 2 *P. Thumwarin, J. Pernwong, T. Matsuura,*” FIR signature verification system characterizing dynamics of handwriting features” EURASIP Journal on Advances in Signal Processing (2013). <http://asp.eurasipjournals.com/content/2013/1/183>
- 3 K. Sirisantisamrid, K, Tirasesth, and T. Matsuura, “A Determination Method of Initial Camera Parameters for Coplanar Calibration”, International Journal of Control, Automation, and Systems, vol.7, No.5, pp.777-787, Nov.2009
- 4 K. Bounnady, B. Kruatrachue, and T. Matsuura, “Online Freestyle Handwritten Lao Character Recognition Using Feature Tree”, Journal of Signal Processing, vol.11, No.6, pp.461-469, Nov.2007

International Conference

- 1 T. Puttasakul, M. Sangworasil, T. Matsuura. (2015).
" [Realization of robust real time robotic arm control system based on EMG signal](#)". The 8th Biomedical Engineering International Conference (BMEICON 2015), November 25–27 2015. Pattaya, Thailand
- 2 T. Puttasakul, M. Sangworasil, T. Matsuura. (2014). " Feature Extraction of Wavelet Transform Coefficients for sEMG Classification". The 7th Biomedical Engineering International Conference (BMEICON 2014), November 26–28 2014. Fukuoka, Japan.
- 3 C.P.Wibowo,P.Thumwarin, T. Matsuura,"On-line Signature Verification Based on Forward and Backward Variances of Signature," Proceedings of JICTEE 2014.P99–102.
- 4 P.Thumwarin, T. Matsuura,K.Yakoopai. "Audio Forensics from Gunshot for Firearm Identification". Proceedings of JICTEE 2014.P160–163
- 5 P.Thumwarin, T. Matsuura,K.Yakoopa, "Barrel length Aspects of Forensic Gunshot Sounds" Proceedings of RCCIE–2013.P78–81
- 6 C.P.Wibowo,P.Thumwarin, T. Matsuura, "On-line Signature Verification Based on Angles of Pen-Motion",Proceedings of International Conference on Simulation Technology,2013.
- 7 P.Thumwarin, *K.Srisuk* , T. Matsuura ."Gait Identification based on FIR system Characerizing Motion of Leg". Proceedings of the 2013 Biomedical Engineering International Conference (BMEiCON–2013)
- 8 P. Thumwarin , N. Chitanont , T.Matsuura. "IRIS RECOGNITION BASED ON DYNAMIC RADIUS MATCHING OF IRIS IMAGE", PROCEEDINGS OF ECTI-CON 2012
- 9 K. Sirisantamrid, K. Tirasesth, and T. Matsuura, "A Technique of Camera Calibration using Single View", ICCAS2011 proceeding, Oct 2011
- 10 P. Thumwarin¹, N. Minh Nguyet¹ and T.Matsuura," Off-line Signature Verificationbased on FIR System Characterizing Gray Level Change ", International Conference on Modeling and Simulation Technology , proceedings of JSST 2011, P. 22–23, 2011
- 11 P.Thumwarin, J.Pernwong,T.Matsuura,, "On-Line Signature Verification based on FIR System Characterizing Motion Pressure", VRCAI 2011, Hong Kong, China, December 11 – 12, 2011
- 12 P. Thumwarin, J.Pemwong, N .Wakayaphattaramanus,T.Matsuura " On-line Signature Verification Based on FIR SystemCharacterizing Velocity and Direction Change of Barycenter Trajectory", Proceedings of PIC 2010, P.30–34,2010
- 13 P. Thumwarin, C. Prasit, K. Yakoopai, T.Matsuura. "Firearm Identification System with Rotation Invariance", Proceedings of ICCAS 2010, P.2030–2035,Oct 2010
- 14 " M. Tangitjetsada, P. Thumwarin,, T.Matsuura," Voice Recognition for Thai based on Impulse Response of FIR System Characterizing the Relation between Consonant and Vowel", International Conference on Signal and Electronic Systems, Gliwice,Poland,2010,Proceedings of ICSES 2010

- 15 P.Thumwarin, T.Matsuura,, “On–Line Writer Identification System Characterizing Velocity and Areal velocity in Handwriting Process”, Proceeding of IASTED2009, ,Aug.2009
- 16 P.Thumwarin, S.Khem , T.Matsuura. “On–Line Writer Dependent Character Recognition for Khmer based on Time–frequency Characteristics of Handwriting Motion”, Proceeding of SICE Annual Conference, 2008,Aug.2008,
- 17 P. Thumwarin, C. Prasit P. boonbumroong, T.Matsuura “Firearm Identification based on FIR System Characterizing Rotation Invariant Feature of Cartridge Case Image”, SICE Annual Conference 2008 ,Aug.2008,
- 18 T.Matsuura, P.Thumwarin”, On–Line Writer Identification Method based on FIR System Characterizing Pen–tip Movement”, ICSES 2008 INTERNATIONAL CONFERENCE ON SIGNALS AND ELECTRONIC SYSTEMS, KRAKÓW, SEP, 2008 P.201–2008
- 19 T.Matsuura, S.Iwanaga , K. Sirisantisamrid, K.Tirasesth. “A Realization of FIR System Characterizing Outline of Fingers and Its Application to Person Identification”, Proc. of ECCTD2007, Aug.2007

COURSES TAUGHT

- Introduction to Biomedical Signal Processing
- Introduction to Biomedical Signal Processing Laboratory
- Medical Signal and Image Processing
- Mathematics for Engineering 3

PROFESSIONAL SERVICE AND SOCIETIES