

Curriculum Vitae

อ.ดร.ก.บ.วินัย นัทรทอง

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Contact Information

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Education

Ph.D. (2020) Biomedical Engineering (International Program)	Mahidol University, Thailand Dissertation: Investigation on QEEG Analysis for Evaluating The Multiple Intelligences of ADHD
M.Eng. (2008) Biomedical Engineering (International Program)	Mahidol University, Thailand
M.Sc. (2006) Occupational Therapy	Chiang Mai University, Thailand
High School	Yupparaj Wittayalai School

Supplementary education

- Certified Intermediate Level Wheelchair Service Training Program by the WHO disability and Rehabilitation Department 2019, Thailand
- Certified Basic Level Wheelchair Service Training Program by the WHO disability and Rehabilitation Department 2018, Thailand
- Certified Making Adaptive Seating for Severely Disabled Children with Corrugated Fiberboard 2017, Thailand
- Certified Practitioner Technology EEG for Assessment in Training Program 2014, Thailand
- Certified Ethical for Biomedical research 2014, 2018, Thailand
- Certified Practitioner and Workshop Infra-slow Fluctuation Training & QEEG 2013, Bali
- Certified Practitioner and Workshop Brain-Computer Interface 2012, Thailand
- Certified Engineering rehabilitation design Practitioner with Functional Electrical Stimulation 2010, Thailand

Research Interests

- Neuropsychological applications of Quantitative Electroencephalography (QEEG)
- Functional Brain Mapping using Quantitative Electroencephalography (QEEG)
- Therapeutic Application of Low-Frequency; Neurofeedback
- Neurocognitive rehabilitation engineering
- Functional electrical stimulation applications
- Occupational Therapy in psychosocial across lifespan

Positions

- 2015 – Present: Lecturer at Occupational Therapy division, Faculty of Physical Therapy, Mahidol University, Salaya, Nakhon Pathom, Thailand
- 2013 – Present: Occupational therapist at Brain Fitness Institute, Thailand
- 2011 – Present: Member of Brain Computer Interface Laboratory, Mahidol University, Thailand

International Publications

- Chatthong W, Khemthong S, Wongsawat Y. Brain Mapping Performance as an Occupational Therapy Assessment Aid in Attention Deficit Hyperactivity Disorder. *American Journal of Occupational Therapy*. 2020;74(2).
- Chatthong W, Khemthong S, Wongsawat Y. A Design Thinking Model Based on Quantitative Electroencephalography in Social Emotional Learning for Attention Deficit Hyperactivity Disorder. *Mind Brain Educ*. 2020.
- Chatthong W, Khemthong S, Wongsawat Y. Neuropsychological classification based on brain mapping performance in Thai children with and without ADHD. *Applied neuropsychology Child*. 2020:1-7.

International Conference Proceedings

- Punsawad Y, Chatthong W, Wongsawat Y. The Use of Quantitative EEG in Creativity Study with Simple Task. Conference: Asia-Pacific Signal and Information Processing Association, 2014 Annual Summit and Conference (APSIPA), International Conference December 2014.
- Tajai S, Chatthong W, Khemthong S. Volitional and Social Skills Assessment of Thai Autistic Students. Proceeding of The 3rd International Physical Therapy Conference and The 4th Physical Therapy Mahidol University Research Symposium 2016 during 14-16. 220-1 December 2016.

National Publications

- Khemthong S, Rueankam M, Chatthong W. Effect on self-development of learners' personality and perception in aesthetic transformation course. Proceeding of the 14th Academic Conference Inspiring Student Learning for Diverse Societies; 2019 Mar 28-29, Bangkok, Thailand, Bangkok: Professional and organizational Development Net work of Thailand Higher Education (Thailand Pod); 2019. In Press
- Kaunnil A, Khemthong S, Permponputtana K, Sansri V, Suksriwan S, Thichanpiang P, Thanapet U, Tajai S, Chatthong W. Expected learning out comes in occupational therapy Mahidol university. The Journal of Occupational Therapy Association of Thailand. 21(1), 2016