

Curriculum Vitae  
**Witaya Mathiyakom, PT, PhD, KEMG**

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### Contact Information

Department of Physical Therapy  
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### Current Position/Affiliation

2022 - Present	<b>Adjunct Professor</b> , Biological Sciences, USC
2019 - Present	<b>Professor</b> (Tenured), Physical Therapy, CSUN
2019 - Present	<b>Mentor, Faculty, and Faculty Affiliate</b> , Orthopedic Physical Therapy Residency Program, VA Greater Los Angeles
2006 - Present	<b>Physical Therapist</b> , Outpatient Physical Therapy, PM&RS, Greater Los Angeles Healthcare System, Department of Veterans Affairs, Los Angeles

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### Licensure

1994 - Present	Kinesiological Electromyographer (CA, EK 30)
1993 - Present	Physical Therapist (CA, PT 19386)
1998 - 2013	Physical Therapist (Thailand)

### Clinical Certification

2021 - Present	Vestibular Rehabilitation & Concussion Certification. The American Institute of Balance.
2020 - Present	Board-Certified Clinical Specialist in Orthopaedic Physical Therapy (OR 201370). American Board of Physical Therapy Specialties
2020 - Present	LSVT BIG® Certification

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### Education

2006	<b>Post-doctoral Fellow</b> (Neurobiology and Endocrinology of Ageing), University of Southern California, Los Angeles, CA
2004	<b>Doctor of Philosophy</b> (Kinesiology), University of Southern California, Los Angeles, CA
1994	<b>Master of Science</b> (Physical Therapy), University of Southern California, Los Angeles, CA
1988	<b>Bachelor of Science</b> (Physical Therapy), Mahidol University, Bangkok, Thailand

## Teaching Experience

2022 - Present	Adjunct Professor, Department of Biological Sciences, USC
2019 - Present	Professor (Tenured), Department of Physical Therapy, CSUN
2019 - Present	Core faculty, Mentor and Faculty Affiliate, Orthopedic Physical Residency Program, VA Greater Los Angeles Healthcare System
2014 - 2022	Adjunct Associate Professor, Department of Biological Sciences, USC
2013 - 2019	Associate Professor (Tenured), Department of Physical Therapy, CSUN
2011 - 2014	Adjunct Assistant Professor, Department of Biological Sciences, USC
2008 - 2013	Assistant Professor (Tenure Track), Department of Physical Therapy, CSUN
2007 - 2011	Adjunct Assistant Professor, Department of Kinesiology, USC
1995 - 2004	Teaching Assistant, Department of Kinesiology, USC
1988 - 1990	Lecturer, Faculty of Physical Therapy, Rangsit University, Thailand

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## Clinical Experience

2006 - Present	Physical Therapist, Outpatient Clinic, Greater Los Angeles Healthcare System, Department of Veterans Affairs, Los Angeles, CA Biomechanist/Physical Therapist, Human Performance Laboratory, Greater Los Angeles Healthcare System, Department of Veterans Affairs, Los Angeles, CA
1996 - 2008	Physical therapist III, Acute-Inpatient, Encino-Tarzana Regional Medical Center, Tarzana, CA
1995 - 1999	Physical therapist III, Outpatient Clinic, Glendale Adventist Medical Center, Glendale, CA
1994 - 1995	Research Physical Therapist, Biomechanics Lab, Centinela Hospital Medical Center, Inglewood, CA
1992 - 1994	Physical Therapist II, Acute-Inpatient, USC University Hospital, Los Angeles, CA
1989 - 1990	Physical Therapist, Outpatient Clinic, Mahachai Hospital, Samutprakarn, Thailand
1988 - 1990	Physical Therapist, Outpatient and Sports Injury Clinic, Sports Science Promotion Section, Bangkok, Thailand

## Consultant

2018 - Present	Non-paid Consultant of the Master of Science Program in Physical Therapy (International Program), Faculty of Physical Therapy, Mahidol University, Thailand
1998 - 2008	Under-paid Physical therapy and biomechanics consultant, Performance Enhancement Team, USA National Diving Team

## Pro-bono Physical Therapist

2020	International Physical Therapy Service Learning, Da Nang Orthopedic and Rehabilitation Hospital, Da Nang, Vietnam
2019 - Present	CSUN DPT Pro-bono clinic with UCLA community clinic. Hollywood, CA
2015	International Physical Therapy Service Learning, Da Nang Orthopedic and Rehabilitation Hospital, Da Nang, Vietnam
2012	International Physical Therapy Service Learning, Hope Haven International, Antigua, Guatemala

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## Peer-reviewed Publications

1. **Mathiyakom, W.**, Wilcox, R., & McNitt-Gray, J. L. (2023). Generation of forward angular impulse with different initial conditions. *Human Movement Science*, 87, 103035. <https://doi.org/10.1016/j.humov.2022.103035>
2. Kruapanich, C., Tantisuwat, A., Thaveeratitham, P., Lertmaharit, S., Ubolnuar, N., Chimpalee, J., & **Mathiyakom, W.** (2022). The effect of unsupported arm elevations on regional chest wall volumes and thoracoabdominal asynchrony in patients with chronic obstructive pulmonary disease. *Physiotherapy Theory and Practice*, 38(11), 1602–1614. <https://doi.org/10.1080/09593985.2021.1882018>
3. Ubolnuar, N., Tantisuwat, A., **Mathiyakom, W.**, Thaveeratitham, P., & Kruapanich, C. (2022). Effect of pursed-lip breathing and forward trunk lean positions on regional chest wall volume and ventilatory pattern in older adults: An observational study. *Medicine*, 101(4), e28727. <https://doi.org/10.1097/MD.0000000000028727>
4. **Mathiyakom, W.**, Wilcox, R., & McNitt-Gray, J. L. (2021). Regulation of Forward Angular Impulse in Tasks with Backward Translation. *Journal of Applied Biomechanics*, 37(6), 601–610. <https://doi.org/10.1123/jab.2021-0301>
5. Ubolnuar, N., Tantisuwat, A., Thaveeratitham, P., Lertmaharit, S., Kruapanich, C., Chimpalee, J., & **Mathiyakom, W.** (2020). Effects of pursed-lip breathing and forward trunk lean postures on total and compartmental lung volumes and ventilation in patients with mild to moderate chronic obstructive pulmonary disease. *Medicine*, 99(51), e23646. <https://doi.org/10.1097/MD.0000000000023646>
6. Vongsirinavarat, M., **Mathiyakom, W.**, Krityakiarana, W., Hengsomboon, N., & Kraiwong, R. (2020). Survey of Attitudes, Knowledge, and Barriers to Evidence-Based Practice Among Thai Physical Therapists. *Internet Journal of Allied Health Sciences and Practice*, 18(4), 1. <https://nsuworks.nova.edu/ijahsp/vol18/iss4/1>
7. Vongsirinavarat, M., **Mathiyakom, W.**, Kraiwong, R., & Hiengkaew, V. (2020). Fear of Falling, Lower Extremity Strength, and Physical and Balance Performance in Older Adults with Diabetes Mellitus. *Journal of Diabetes Research*, 2020. <https://doi.org/10.1155/2020/8573817>
8. Kruapanich, C., Tantisuwat, A., Thaveeratitham, P., Lertmaharit, S., Ubolnuar, N., & **Mathiyakom, W.** (2019). Effects of different modes of upper limb training in individuals with chronic obstructive pulmonary disease: A systematic review and meta-analysis. *Annals of Rehabilitation Medicine*, 43(5), 592–614. <https://doi.org/10.5535/arm.2019.43.5.592>
9. Ubolnuar, N., Tantisuwat, A., Thaveeratitham, P., Lertmaharit, S., Kruapanich, C., & **Mathiyakom, W.** (2019). Effects of breathing exercises in patients with chronic obstructive pulmonary disease: Systematic review and meta-analysis. *Annals of Rehabilitation Medicine*, 43(4), 509–523. <https://doi.org/10.5535/arm.2019.43.4.509>
10. Ratanapinunchai, J., **Mathiyakom, W.**, & Sungkarat, S. (2019). Scapular upward rotation during passive humeral abduction in individuals with hemiplegia post-stroke. *Annals of Rehabilitation Medicine*, 43(2), 178–186. <https://doi.org/10.5535/arm.2019.43.2.178>
11. Peppers, D., Figoni, S.F., Carroll, B.W., Chen, M.M., Song, S., **Mathiyakom, W.**, (2017). Influence of Functional Capacity Evaluation on Physician's Assessment of Physical Capacity of Veterans with Chronic Pain: A Retrospective Analysis. *PM R*, 9(7)652-659. doi: 10.1016/j.pmrj.2016.10.011.
12. Channaiyana, I, Ariyachaikul, S., **Mathiyakom, W.**, Ratanapinunchai, J. (2013). Comparison of resting scapular position and range of combined shoulder elevation between junior swimmers with and without shoulder pain. *Bulletin of Chiang Mai Associated Medical Sciences*. 46(1): 49-58.
13. Chuatrakoon, B., Ratanapinunchai, J., **Mathiyakom, W.**, Ariyachaikul, S. (2012). The distance of Superior Kibler and Inferior Kibler in Healthy Participants Aged Between 15–20 Years Old. *Thai Journal of Physical Therapy*. 34, 74-83.

14. Charoenlimprasert, J., **Mathiyakom, W.**, Sungkarat, S., Ratanapinunchai, J. (2012). Comparison of Shoulder Muscle Length and Structural Alignment in Hemiplegic Patients With and Without Shoulder Pain. *HCU Journal*. 15(30): 1-13.
15. **Mathiyakom, W.**, McNitt-Gray, J.L. (2008) Regulation of angular impulse during fall recovery. *Journal of Rehabilitation Research and Development*. 45(8):1237-1248.
16. **Mathiyakom, W.**, McNitt-Gray, J.L., Wilcox, R. (2007) Regulation of angular impulse during two forward translating tasks. *Journal of Applied Biomechanics*. 23, 149-161.
17. **Mathiyakom, W.**, McNitt-Gray, J.L., Wilcox, R. (2006) Lower extremity control and dynamics during backward angular impulse generation in backward translating tasks. *Experimental Brain Research*. 169, 377-388.
18. **Mathiyakom, W.**, McNitt-Gray, J.L., Wilcox, R. (2006) Lower extremity control and dynamics during backward angular impulse generation in forward translating tasks. *Journal of Biomechanics*. 39, 990-1000.
19. **Mathiyakom, W.**, McNitt-Gray, J.L., Requejo, P.S., Costa, K.E. (2005) Modifying center of mass trajectory during sit-to-stand tasks redistributes the mechanical demand across the lower extremity joints. *Clinical Biomechanics* (Bristol, Avon). 20, 105-111.
20. McNitt-Gray, J.L., Hester, D.M.E., **Mathiyakom, W.**, Munkasy, B.A. (2001) Mechanical demand and multijoint control during landing depend on the orientation of the body segments relative to the reaction force. *Journal of Biomechanics*. 34, 1471-1482.
21. Alpert, L., Jobe, J. W., Pink, M.M., McMahan, P., **Mathiyakom, W.** (1999). EMG analysis of deltoid and rotator cuff function under varying loads and speeds. *Journal of Shoulder and Elbow Surgery*, 9 (1), 47-58.
22. Maffet, M.W., Jobe, J. W., Pink, M.M., Brault, J. R., **Mathiyakom, W.** (1997). Shoulder muscle firing patterns during the windmill softball pitch. *American Journal of Sports Medicine*, 25, 369-374.

### Peer-reviewed Book Chapter

1. **Mathiyakom, W.**, & McNitt-Gray, J. L. (2009). Motor Gait and Falls. In *Encyclopedia of Neuroscience* (pp. 1009-1013). <https://doi.org/10.1016/B978-008045046-9.00138-8>

### Book

1. Vongsirinavarat, M., & **Mathiyakom, W.** (2019) *Physical Therapy in Shoulder Conditions: Evidence-Informed Approach*. (Written in Thai Language) Printery, Bangkok. ISBN 978-616-443-317-5.

### Technical Reports

1. **Mathiyakom, W.** & McNitt-Gray, J. L. (2005) Keeping your shoulders healthy CD. Technical reports to USA Diving
2. **Mathiyakom, W.** & McNitt-Gray, J. L. (2005) Exercise program to improve trunk stability CD. Technical reports to USA Diving

### Peer-reviewed Research Presentations

1. Roller M., Kachingwe A., **Mathiyakom W.**, Echeverria E., Ho A., Kishimoto R., Matsunaga J., Neckar E., Osborne S., Penrod L., Post S., Ramirez R., Yada K. (2023) Static and Dynamic Visual Acuity in College Athletes and Non-Athletes to Determine Baseline Reference Values for Concussion Management. 2023 CPTA Conference, Long Beach, CA.

2. Tantisuwat, A., **Mathiyakom, W.**, Kruapanich, C., Thaveeratitham, P., Ubolnuar, N. (2023) Effects of Coordinating Inverse Breathing Patterns with Arm Movements on Chest Wall Volumes in Patients with Chronic Obstructive Pulmonary Disease. World Congress on Physical Therapy, 2023. Dubai, United Arab Emirates.
3. Tantisuwat A., Ubolnuar, N., Thaveeratitham, P., Lertmaharit, S., Kruapanich, C., Chimpalee, J., **Mathiyakom, W.** (2020) Effects of pursed-lip breathing and forward trunk lean postures on total and compartmental lung volumes and ventilation in patients with Chronic Obstructive Pulmonary Disease. 7<sup>th</sup> International Conference on COPD and Lung Health, 2020 Webinar
4. Haven, S., Donnelly, A., **Mathiyakom W.** (2020) Musculoskeletal injury prevalence in pole dancers. Annual Meeting California Physical Therapy Association, 2020.
5. Vongsirinavarat, M., **Mathiyakom W.**, Kriyakiarana, W., Heangsomboon, N. (2019) Barriers to the Use of Evidence-Based Practice Among Thai Physical Therapists. World Congress on Physical Therapy, 2019. Geneva, Switzerland.
6. Tantisuwat, A., Kruapanich C., Ubolnuar, N., Thaveeratitham, P., **Mathiyakom, W.** (2019) The effects of shoulder elevation on ventilation, lung volume, dyspnea and upper limb fatigue in patients with COPD. World Congress on Physical Therapy, 2019. Geneva, Switzerland.
7. Pena, A., Plotkin, L., Eagle, M., Riehl, J., **Mathiyakom, W.** (2018) Kinesiophobia in Veterans with Chronic Low Back Pain: A Pilot Study. Combined Sections Meeting of the American Physical Therapy Association.
8. Fahey, M., Gutierrez, J., Jacobson, P., Perez, F., Held, L., **Mathiyakom, W.** (2016) Modulations of Ground Reaction Force Impulse during Turing while walking in Older Adult Fallers. The 40<sup>th</sup> Annual Meeting of the American Society of Biomechanics.
9. Zaferiou, A.M., Held, L., **Mathiyakom, W.** (2015) Role of Each Leg Towards Angular Impulse Generation during Turning-While-Walking Performed At Different Speeds by Older Adult Fallers. The XXIV<sup>th</sup> Congress of the International Society of Biomechanics.
10. Requejo, P., **Mathiyakom, W.**, Lighthall L., Maneekobkunwong, S., Mulroy, S. (2015) Impact of Hand Contact Pattern on Scapular Kinematics and Muscle Activity during Manual Wheelchair Propulsion in Individuals with Paraplegia. The 4<sup>th</sup> ISCoS and ASIA Joint Scientific Meeting.
11. McNitt-Gray, J., **Mathiyakom, W.**, Requejo, P., Ramos, C., Flashner, H. (2014) Improving Performance by Identifying Control Strategies Involved in Regulating Linear and Angular Momentum in Goal-Directed Tasks. The 7<sup>th</sup> World Congress on Biomechanics.
12. Langel, B., Douglass R., Held, L., **Mathiyakom, W.** (2014) Center of Pressure Patterns during 180° Turns in Young Adults. The 7<sup>th</sup> World Congress on Biomechanics.
13. Douglass, R., Langel, B., Held, L., **Mathiyakom, W.** (2014) Spatio-temporal Characteristics during 180° Turns in Young Adults. The 7<sup>th</sup> World Congress on Biomechanics.
14. Opava-Rutter, D., Bui, C., O'Brien, S., Zappaterra, M., Held., L. **Mathiyakom, W.**, Bharath., P., Okonek A., Scremin., O. (2013) Effect of a Dual Task on Cognition and Balance After Mild Traumatic Brain Injury due to Blast. American Academy of Physical Medicine and Rehabilitation.
15. Zaferiou, A.M., **Mathiyakom, W.**, Held, L., Flashner, H., & McNitt-Gray, J.L. (2013) Sensitivity analysis of a subject-specific gait model to joint and segment parameters using LifeMod™ as a kinematic modeling tool. The XXIV<sup>th</sup> Congress of the International Society of Biomechanics.
16. Ramos, C.R., McNitt-Gray, J.L., **Mathiyakom, W.** (2013) Common Multijoint Control Strategies for Generating Backward Angular Momentum in Forward and Backward Translating Tasks. The XXV<sup>th</sup> Congress of the International Society of Biomechanics.
17. Ramos, C.R., **Mathiyakom, W.**, McNitt-Gray, J.L. (2012) Common control strategies for generating angular impulse in forward and backward translating tasks. The 36<sup>th</sup> Annual Meeting of the American Society of Biomechanics.

18. Held, L., **Mathiyakom, W.**, Flashner, H. McNitt-Gray, J.L. (2011) Frontal plane knee kinematics in land-and-go tasks with whole body rotation requirements. The 35<sup>th</sup> Annual Meeting of the American Society of Biomechanics.
19. Held, L., **Mathiyakom, W.**, Flashner, H. McNitt-Gray, J.L. (2011) Multijoint control of lower extremity segments in the frontal plane during landing. The XXIIIrd Congress of the International Society of Biomechanics.
20. **Mathiyakom, W.**, McNitt-Gray, J.L (2009) Integrating Biomechanics Principles in Fall Prevention and Rehabilitation – Symposium on Applying Science and Theory to Fall Prevention Practices. Southwest Chapter 29<sup>th</sup> Annual Meeting, American College of Sports Medicine.
21. **Mathiyakom, W.**, McNitt-Gray, J.L. (2007) Generation of linear and angular momentum during interaction with deformable surfaces. Proc. CD of the XXI Congress of the International Society of Biomechanics.
22. **Mathiyakom, W.**, McNitt-Gray, J.L. (2006) Control of the reaction force relative to the center of mass during the take-off phase of the forward translating tasks performed with different directions of rotation. Proc. CD of the 29<sup>th</sup> Annual Meeting of the American Society of Biomechanics.
23. **Mathiyakom, W.**, McNitt-Gray, J.L. (2005) Generation of forward angular impulse in tasks with backward translation is achieved by redirecting the reaction force relative to the center of mass. Proc. CD of the XXth Congress of the International Society of Biomechanics.
24. McNitt-Gray, J.L., **Mathiyakom, W.**, Requejo, P.S., Flashner, H. (2005) Regulation of reaction force direction and angular impulse during jumping tasks via redistribution of knee and hip net joint moments. Proc CD of the XXth Congress of the International Society of Biomechanics.
25. **Mathiyakom, W.**, McNitt-Gray, J.L., Wilcox, R. (2004) Initial horizontal momentum alters control of the reaction force relative to the center of mass. Proc. CD of the 28<sup>th</sup> Annual Meeting of the American Society of Biomechanics.
26. Vachalatithi, R., McNitt-Gray, J.L., **Mathiyakom, W.**, Boni, H. (2004) Dynamics and multijoint control during single leg squat with and without activation of the abdominal oblique muscles. Proc. CD of the 28<sup>th</sup> Annual Meeting of the American Society of Biomechanics.
27. **Mathiyakom, W.**, McNitt-Gray, J. L., & Flasher, H. (2003) “Control of body segment orientation relative to the reaction force maintains lower extremity load distribution.” Proc. of the 27<sup>th</sup> meeting of the Annual Meeting of the American Society of Biomechanics.
28. McNitt-Gray, J. L., **Mathiyakom, W.**, and Flasher, H. (2003) Multijoint control strategies used to generate impulse during goal-directed movements. Proc.CD of the XIX<sup>th</sup> Congress of the International Society of Biomechanics.
29. **Mathiyakom, W.**, and McNitt-Gray, J.L. (2002) Control of the reaction force when generating angular impulse. *Medicine & Science in Sports & Exercise.* 35:102.
30. **Mathiyakom, W.**, and McNitt-Gray, J.L. (2002) Multijoint control during short duration movement. Proc. CD of the 4<sup>th</sup> World Congress of Biomechanics.
31. **Mathiyakom, W.**, McNitt-Gray, J. L., Costa, K. E., & Requejo, P. S. (2001) Modification in Initial Segment Conditions Redistributes Mechanical Demand During Sit-to-Stand Tasks. Proc. of 25<sup>th</sup> Annual Meeting of the American Society of Biomechanics, 97-98.
32. **Mathiyakom, W.** & McNitt-Gray, J. L. (2001) Controlling total body momentum during landing under fatigued and non-fatigued conditions. Proc. of the XVIII<sup>th</sup> Congress of the International Society of Biomechanics 179-180.
33. **McNitt-Gray, J. L.**, & Mathiyakom, W. (2001) Subject-specific multijoint control of anterior and posterior reaction forces during total body movement. Proc. of the XVIII<sup>th</sup> Congress of the International Society of Biomechanics, 41.
34. **Mathiyakom, W.**, McNitt-Gray, J. L., Eagle, J., & Munkasy, B. (2000) Mechanisms of power generation during the take-off phase of dives are direction dependent. Proc. of 24<sup>th</sup> Annual Meeting of the American Society of Biomechanics, 259-260.

35. Costa, K., McNitt-Gray, J. L., **Mathiyakom, W.**, Requejo, P., & Eagle, J. (2000) Lower extremity power generation strategies specific to task constraints. Proc. of 24<sup>th</sup> Annual Meeting of the American Society of Biomechanics, 59-60.
36. **Mathiyakom, W.**, McNitt-Gray, J. L., & Eagle, J. (2000). Activation pattern of the uni- and biarticular ankle plantar flexor muscles during landing is subject-specific. Proc of the Second Annual Southern California Conference on Biomechanics.
37. Costa, K. E., McNitt-Gray, J. L., **Mathiyakom, W.**, & Requejo, P. (2000) Multijoint control during the power generation phase of three practiced tasks. Proc of the Second Annual Southern California Conference on Biomechanics
38. **Mathiyakom, W.**, McNitt-Gray, J.L., Munkasy, B.A, Eagle, J. & Gabriel, J. (1999) Joint kinetic differences during the inward and reverse diving take-offs. Proc. of the XVIIth Congress of the International Society of Biomechanics, 167.
39. Costa, K., McNitt-Gray, J.L., **Mathiyakom, W.**, Requejo, P., & Eagle, J. (1999) Load distribution modifications in two multijoint tasks with different mechanical objectives, Proc. of the XVIIth Congress of the International Society of Biomechanics, 170.
40. **Mathiyakom, W.**, McNitt-Gray, J. L., Munkasy, B. A., & Eagle, J. (1999) Invariant features of multijoint control strategies used by divers during the take-off of the back and reverse dives. In Proc.of First Annual Southern California Conference on Biomechanics, 3.
41. Costa, K., McNitt-Gray, J.L., **Mathiyakom, W.**, Requejo, P. (1999) Multijoint Coordination During Two Tasks: Impliations for Power Generation. Proc. of First Annual Southern California Conference on Biomechanics, 14.
42. Costa, K., McNitt-Gray, J.L., Requejo, P., **Mathiyakom, W.**, Eagle, J., Munkasy, B.A., & Marciniak, J. (1998) Gender differences in multijoint load distribution during the take-off phase of the long jump, Proc. of the III North American Congress on Biomechanics, 419-420.
43. **Mathiyakom, W.**, McNitt-Gray, J.L., Munkasy, B.A., Eagle, J., & Gabriele, J. (1998) Joint kinetic differences during the take-off of forward and backward rotating dives, Proc. of the III North American Congress on Biomechanics, 439-440.
44. McNitt-Gray, J.L., Munkasy, B.A., Costa, K., Requejo, P., **Mathiyakom, W.**, Eagle, J. & Ryan, M.M. (1998) Invariant features of multijoint control strategies used by gymnasts during landings performed in Olympic Competition, Proc. of the III North American Congress on Biomechanics, 441-442.
45. Pink, M. M., Kvitne, R., & **Mathiyakom, W.** (1995) Electromyography of the knee muscles during gait in people with patellofemoral pain. Proc. of the California Chapter of American Physical Therapy Association Annual Conference, 10.
46. **Mathiyakom, W.** & Hsu, A. (1995) A comparative electromyographic analysis of the upper trapezius in normal and myofascial pain population. Proc. of the California Chapter of American Physical Therapy Association Annual Conference, 12.
47. Hsu, A., & **Mathiyakom, W.** (1995) The relationship between foot-floor contact patterns and lower limbs injuries in recreational marathon runners. Proc. of the 12th World Confederation of Physical Therapy Meeting, Washington, DC
48. Hsu, A., & **Mathiyakom, W.** (1995) The relationship between foot-floor contact patterns and foot types in recreational marathon runners. Journal of Orthopaedic and Sports Physical Therapy, 21, 70.
49. Boonsinsukh, P., & **Mathiyakom, W.** (1990) A survey of parameters of hamstrings and quadriceps muscles using isokinetic exercise in Thai young men, Proc of the IV GAAPT, Singapore.

## Invited Presentations

- 06/2021 “What Have I Learned About Kinesiophobia, Pain Catastrophizing, and Disability in Patients with Chronic Low Back & Shoulder Pain?” International Physical Therapy Research Symposium, 2021. Bangkok, Thailand.
- 07/2015 “Spinning and Beyond – Physical Therapy Assessment and Treatment in Veterans with Vestibular Disorders” 2015 VISN 22 Poly-trauma Conference. Long Beach, CA.
- 10/2013 “Staying Vertical in Your Golden Years” Symposium, 32<sup>nd</sup> Southwest Chapter American College of Sports Medicine Annual Meeting, Dana Point, CA.
- 08/2012 “Fall Rehabilitation: Evidence-Based Practice”, Research Day, 19<sup>th</sup> Annual Physical Medicine and Rehabilitation Research Day, UCLA & VA Greater Los Angeles, CA.
- 10/2009 “Integrating Biomechanical Principles in Fall Prevention and Rehabilitation”, Applying Science and Theory to Fall Prevention Practices Symposium, Southwest Chapter, American College of Sports Medicine, 2009 Annual Meeting, San Diego, CA.

## Invited Lectures

- 12/2022 “How should a physical therapist diagnose and treat patients with musculoskeletal conditions?” Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand.
- 11/2021 “Introduction to Physical Therapy in Patients with Benign Paroxysmal Positional Vertigo” Faculty of Allied Health, Burapha University, Thailand
- 10/2021 “Introduction of Movement System Impairment Syndromes of the Lumbar spine” Faculty of Allied Health Sciences, Naresuan University, Thailand
- 09/2021 “Introduction of Vestibular Rehabilitation” Faculty of Allied Health, Burapha University, Thailand
- 10/2020 “A Kinesiopathological Model: Physical Therapy Perspective on Low Back Pain”, Webinar, The Physical Therapy Association of Thailand, Thailand
- 01/2020 “Current Concepts of Movement System Impairment in Management of Patients with Low Back Pain” Faculty of Physical Therapy, Mahidol University, Thailand
- 08/2018 “Movement System Impairment of the Shoulder” Faculty of Physical Therapy, Mahidol University, Thailand
- 07/2018 “Introduction to Evidence-Based Physical Therapist Practice”, Faculty of Physical Therapy, Mahidol University, Thailand
- 12/2017 “Introduction to Movement System Impairment”, Faculty of Physical Therapy, Mahidol University, Thailand
- 11/2017 “Introduction to Movement System Impairment”, Faculty of Health Sciences, Universitas ‘Aisyiyah Yogyakarta (UNISA), Indonesia
- 03/2016 “Movement System Impairment of the Knee, and Foot and Ankle”, Faculty of Health Science, Srinakarinwirot University, Bangkok, Thailand
- 01/2015 “Movement System Impairment of the Shoulder” Department of Physical Therapy, Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
- 07/2012 “Introduction to Evidence-Based Physical Therapy Practice”, Faculty of Allied Health Sciences, Naresuan University, Thailand
- 07/2011 “Introduction to Biomechanics - Kinetic Analysis”, Faculty of Graduate Studies, Mahidol University, Thailand

07/2011	“Introduction to Sports Biomechanics” The Graduate School, Chiang Mai University, Thailand
07/2011	“Introduction to Gait Analysis” Department of Orthopedic and Physical Medicine, Faculty of Medicine, Prince of Songla University, Thailand
07/2010	“Introduction to Vestibular Rehabilitation” Rangsit University, Pathumthani, Thailand
07/2009	“Movement Impairment of the Hip” Rangsit University, Pathumthani, Thailand
07/2009	“Introduction to Vestibular Rehabilitation” Mahidol University, Nakorn Pathom, Thailand
12/2008	“Biomechanics of the Knee” Department of Physical Therapy, Chiang Mai University, Thailand
12/2008	“Muscle Function of the Knee Joint” Department of Physical Therapy, Chiang Mai University, Thailand
12/2008	“Hip, Knee, and Ankle Kinematic Chain Reaction: Movement Impairment Syndromes” Department of Physical Therapy, Chiang Mai University, Thailand
12/2008	“ACL Injury and Management in Physical Therapy” Department of Physical Therapy, Chiang Mai University, Thailand
12/2008	“Regulation of Angular Impulse during Fall Recovery” Department of Physical Therapy, Chiang Mai University, Thailand

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### Research Grant Awarded

2022 - 2023	<b>Mentor</b> (Singhasoot – PI): Post-COVID-19 Syndrome in Patients with Post-COVID-19 Infection in Thailand. Faculty of Allied Health Sciences, Burapha University. (\$5,000)
2017	<b>Co-investigator</b> (Vonsirinaravat – PI): The survey of uses and teaching/learning and of evidence-based practice in physical Therapists in Thailand. Thai Physical Therapy Association (\$300)
2015 - 2017	<b>Co-investigator</b> (Tantisuwat – PI) MRG5980084: The Effects of Body Positions, Arm Movements and Positions, and Breathing Patterns on Lung Volume, Thoracoabdominal Asynchrony, and the Sensation of Dyspnea in Patients with Chronic Obstructive Pulmonary Disease. MRG Thai Research Fund, Thailand. (\$20,000)
2014 - 2017	<b>Consultant</b> (McNitt-Gray – PI) CDMRP SC130030: Evaluating the Integration of Low-Cost Emerging Technology and Personalized Model Simulation Results in the Wheelchair. Department of Defense. (\$565,000)
2014 - 2015	<b>Co-investigator</b> (McNitt-Gray – PI) SC-CTSI, Integrating Clinical Guidelines and Model Simulation Results to Personalize Interventions. (\$26,000)
2013 - 2015	<b>Co-investigator</b> (Chinkulprasert – PI) TRG5680080: Innovation of Exercise Ball with Biofeedback Unit, MRG Thai Research Fund. Thailand (\$14,000)
2013 - 2015	<b>Co-Principal investigator</b> , MRI: Acquisition of Real-Time Motion Analysis System. National Science Foundation. (\$300,070)
2011 - 2013	<b>Principal investigator</b> , Biomechanics and experimentally-based modeling of turning in older adult fallers. VA Rehabilitation Research and Development. (\$141,150)
2009	<b>Principal investigator</b> , A multi-media approach to education and treatment of Veterans with balance impairment. VA National Center for Health Promotion and Disease Prevention. (\$6,000)

2006 **Principal investigator**, Improvement of Biomechanics Education and Research in Thailand. International Society of Biomechanics. (\$3,000)

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## Services to the University - CSUN

### University level

2009 - 2016 University Assessment Liaison  
 2009 - 2014 Student Health Center Physical Therapist

### College level

2023 Member, Associated Dean Review Committee  
 2019 - 2020 Member, Curriculum Committee  
 2012 - 2013 Chair, Assessment Committee  
 2011 - 2013 Member, Curriculum Committee  
 2009 - 2016 Member, Assessment Committee  
 2008 - Present Member, Commencement Committee

### Department level

2022 - 2024 Chair, PT Department Personnel Committee  
 2022 - 2023 Member, EOH Department Personnel Committee  
 2020 - 2022 Member, PT Department Personnel Committee  
 2019 - 2020 Chair, PT Search and Screen Committee  
 2016 - Present DPT Club Student Advisor  
 2016 - 2017 Member, EOH Department Personnel Committee  
 2015 - 2016 Chair, Search and Screen Committee  
 2015 - Present Member, Assessment Committee  
 2011 - 2014 Member, Search and Screen Committee  
 Spring 2011 Equity and Diversity Representative  
 2009 - 2014 Chair, Assessment Committee  
 2008 - Present Member, Advisement Committee  
 2008 - Present Member, Award Committee  
 2008 - Present Chair, Commencement Committee  
 2008 Member, Assessment Committee

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## Professional and Community Services

### Research grant reviewer

2020 - Present CAL-PT-Fund Grant: California Physical Therapy Association, CA  
 2018 Grant Review: Southern California Clinical and Translational Science Institute, University of Southern California, CA  
 2013 - 2019 Grant Reviewer: Center for Scientific Review, Special Emphasis Panel (ZRG1 NRCS-V 08; 09), National Institutes of Health.  
 2011 - 2012 Musculoskeletal Section, Rehabilitation Research and Development Services, Veterans Health Administration.

**Reviewer**

2023 Manuscript Reviewer: Journal of Chronic Obstructive Pulmonary Disease  
 2022 - Present Manuscript Reviewer: Medical Problems of Performing Artists  
 2022 Manuscript Reviewer: Physiotherapy Theory and Practice: An International Journal of Physical Therapy  
 2019 - Present Abstract Reviewer: Annual Meeting of the California Physical Therapy Association  
 2010 - 2023 Reviewer, Continuing Education Application Review Committee, California Physical Therapy Association  
 2013 Abstract Reviewer: Annual Meeting of the American Society of Biomechanics  
 2012 Award Reviewer: Pre-doctoral Award, American Society of Biomechanics  
 2011 - Present Editorial Board: Journal of Current Science and Technology. ISSN 2630-0656  
 2009 Award Reviewer, Pre-doctoral Associated Health Rehabilitation Research Fellowship Program, Research and Development Department, Veterans Health Administration

**Conference presentation moderator**

09/2011 Co-Chair, Platform Presentation, Rehabilitation Section, the 35<sup>th</sup> Annual Meeting of the American Society of Biomechanics, Long Beach, CA  
 08/2011 Moderator, Poster Presentation, 18<sup>th</sup> Annual Physical Medicine and Rehabilitation Research Day, UCLA & VA Greater Los Angeles, CA  
 08/2010 Moderator, Poster Presentation, 17<sup>th</sup> Annual Physical Medicine and Rehabilitation Research Day, UCLA & VA Greater Los Angeles, CA  
 08/2009 Moderator, Poster Presentation, 16<sup>th</sup> Annual Physical Medicine and Rehabilitation Research Day, UCLA & VA Greater Los Angeles, CA

**National physical therapy examination writer**

2019 Item Writer: National Physical Therapy Examination, Federation of State Boards of Physical Therapy. Alexandria, VA  
 2018 Item Writer: National Physical Therapy Examination, Federation of State Boards of Physical Therapy. Northridge, CA  
 2016 Item Writer: National Physical Therapy Examination, Federation of State Boards of Physical Therapy. Los Angeles, CA

**Mentor of junior faculty member**

2022 - 2023 Nutsupa Singhasoot, PT, Ph.D., Faculty of Allied Health Sciences, Burapha University. Funded Research Project: “Post-COVID-19 Syndrome in Patients with Post-COVID-19 Infection in Thailand.”  
 2016 - 2018 Anong Tantisuwat, PT, Ph.D., Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand. Funded Research Project: “The effects of body positions, arm movements and positions, and breathing patterns on lung volume, thoraco-abdominal asynchrony, and sensation of dyspnea in patients with chronic obstructive pulmonary disease.”  
 2013 - 2015 Chatchada Chinkulprasert, PT, Ph.D., Faculty of Health Science, Srinakarinwirot University, Bangkok, Thailand. Funded Research Project “Innovation of Exercise Ball with Biofeedback Unit.”

**Doctoral dissertation committee**

02/2024	<b>Co-advisor:</b> Inosha Bilami, PT, MS. Faculty of Physical Therapy, Mahidol University. Bangkok, Thailand
12/2019	<b>Co-advisor:</b> Chathipat Kruapanich, MS, PT. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
12/2019	<b>Co-advisor:</b> Natsupa Ubolnuar, BS, PT. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
05/2011	<b>Co-advisor:</b> Laura Held, Ph.D., Department of Biomedical Engineering, University of Southern California, Los Angeles, CA

**Doctoral dissertation proposal examination committee**

01/2024	<b>Member:</b> Abdullah, PT, MS. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
10/2023	<b>Member:</b> Soyba Nazir, PT, DPT. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
09/2021	<b>Member:</b> Inosha Bilami, PT, MS. Faculty of Physical Therapy, Mahidol University. Bangkok, Thailand
11/2017	<b>Member:</b> Chathipat Kruapanich, PT, MS. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand
11/2017	<b>Member:</b> Natsupa Ubolnuar, PT, BS. Faculty of Allied Health Sciences, Chulalongkorn University, Bangkok, Thailand

**Executive member of professional association**

2022 - Present	<b>Member:</b> Research Council, California Physical Therapy Association
2010 - 2011	<b>Executive Member</b> (Treasurer), Greater Los Angeles District, California Physical Therapy Association
2006 - 2013	<b>Educational Liaison</b> , International Society of Biomechanics

**Member of professional association**

1999 - Present	International Society of Biomechanics (ISB)
1998 - Present	American Physical Therapy Association (APTA)
1998 - Present	American Society of Biomechanics (ASB)
1998 - Present	Physical Therapy Association of Thailand

**Physical Therapy Continuing Education**

01/2024	DEI certificate. American Physical Therapy Association. (1.0 CEU)
11/2023	Gait Rehabilitation: Core Concepts & Treatment Strategies. Mission Gait Foundation (1.5 CEU)
10/2023	Research Podium Presentation. CPTA Conference. Long Beach, CA (0.15 CEU)
10/2023	Integrative Behavior Health for Physical Therapist. 2023 CPTA Conference. Long Beach, CA (0.15 CEU)
10/2023	Breath Work & Movement: Practical Tools for the Pain Brain. 2023 CPTA Conference. Long Beach, CA (0.15 CEU)

- 07/2023 Beyond Transversus – Core Strengthening – What are the considerations for appropriate abdominal muscle participation? CPTA CEU APPROVAL#23-25 (0.2 CEU)
- 01/2023 TheraBand® Kinesiology Tape: Research and Methods. MEDBRIDGE (0.15 CEU)
- 01/2023 Modalities and Physical Agents for the Rehab Professional: Part 2. MEDBRIDGE (0.1 CEU)
- 01/2023 Modalities and Physical Agents for the Rehab Professional: Part 1. MEDBRIDGE (0.1 CEU)
- 10/2022 Movement System Impairment Syndromes of the Upper Quarter: Advanced Applications. Nexus Motion. CPTA CEU APPROVAL#22-449 (2.125 CEU)
- 09/2022 Application of the movement system concept to the patient with knee or shoulder pain: Challenges and Opportunities. 2022 CPTA Conference. Anaheim, CA (0.15 CEU)
- 09/2022 Motivational interviewing: applications for physical therapy practice. 2022 CPTA Conference. Anaheim, CA (0.15 CEU)
- 09/2022 Neuromodulation of the brain and spinal cord: Treatment options for PT to manage locomotion deficits, migraine, and associate impairments. 2022 CPTA Conference. Anaheim, CA (0.15 CEU)
- 09/2022 What is the role of Physical Therapists in the Current Opioid Crisis? 2022 CPTA Conference. Anaheim, CA (0.15 CEU)
- 09/2022 Keynote Address. 2022 CPTA Conference. Anaheim, CA (0.1 CEU)
- 09/2022 ISPI-CE48 Onsite - Therapeutic Neuroscience Education. Los Angeles, CA (1.8 CEU)
- 08/2022 The Movement System: Scapular Syndromes of the Shoulder. MEDBRIDGE (0.15 CEU)
- 07/2022 Evidence-Based Examination of the Lumbar Spine: An Update. MEDBRIDGE (0.25 CEU)
- 07/2022 A Primer on Examination and Treatment Metrics. MEDBRIDGE (0.1 CEU)
- 06/2022 LSVT BIG® Certification Renewal Course. LSVT Global® (0.2 CEU)
- 06/2022 Staged Approach for Rehabilitation Classification of the Shoulder. MEDBRIDGE
- 01/2022 There is No Such Thing as Non-specific Back Pain. CPTA (0.2 CEU)
- 11/2021 CPTA Townhall DEI Next Steps: Acting on Change. (0.2 CEU)
- 10/2021 Treatment Maneuvers for BPPV. MEDBRIDGE (0.175 CEU)
- 10/2021 Diagnostic Maneuvers for BPPV. MEDBRIDGE (0.125 CEU)
- 10/2021 BPPV Pathophysiology and Differential Diagnosis of Positional Vertigo. MEDBRIDGE (0.175 CEU)
- 10/2021 Advanced Application of the Examination, Diagnosis and Treatment of Movement System Impairment Syndromes of the Lumbar Spine and Hip: A Hybrid Course. The Program in Physical Therapy, Washington University School of Medicine (1.9 CEU)
- 09/2021 Bilateral Vestibular Disorders and PPPD. MEDBRIDGE (0.175 CEU)
- 09/2021 Identification and Management of Unilateral Vestibular Disorders. MEDBRIDGE (0.225 CEU)
- 09/2021 Vestibular Examination: Postural Control Testing. MEDBRIDGE (0.1 CEU)
- 09/2021 Vestibular Examination: Oculomotor Testing. MEDBRIDGE (0.15 CEU)
- 08/2021 Vestibular Compensation Exercises and Clinical Resources. MEDBRIDGE (0.1 CEU)
- 08/2021 Vestibular Anatomy and Physiology. MEDBRIDGE (0.125 CEU)

08/2021	Movement System Impairment Syndromes of the Cervical Spine and Shoulder, CPTA (1.3 CEU)
06/2021	Vestibular Rehabilitation & Concussion Certification – Hybrid Course. The American Institute of Balance. (3.0 CEU)
07/2020	Lumbar Spine Examination and Treatment: Cases to Synthesize Learning. MEDBRIDGE (0.1 CEU)
07/2020	Evidence-Based Treatment of the Lumbar Spine: An Update. MEDBRIDGE (0.2 CEU)
07/2020	Evidence-Based Examination of the Lumbar Spine: An Update. MEDBRIDGE (0.225 CEU)
06/2020	LSVT BIG® Certification (1.25 CEU)
03/2020	Upper Extremity Peripheral Nerve Entrapments. MEDBRIDGE (0.15 CEU)
03/2020	Advanced Musculoskeletal Management of the Distal UE. MEDBRIDGE (0.15 CEU)
03/2020	Orthopedic Case Studies of the Cervical Spine. MEDBRIDGE (0.2 CEU)
03/2020	Management of the Cervicogenic Headache. MEDBRIDGE (0.15 CEU)
03/2020	Cervico-Thoracic Spine Management. MEDBRIDGE (0.2 CEU)
03/2020	Evidence-Based Assessment of Acute Whiplash for Prognosis and Treatment Planning. MEDBRIDGE (0.2 CEU)
03/2020	An Introduction to Evidence-Based Treatment of Whiplash. MEDBRIDGE (0.2 CEU)
03/2020	Case Studies of the Hip: Osteoarthritis. MEDBRIDGE (0.1 CEU)
03/2020	Pediatric Hip Disorders. MEDBRIDGE (0.15 CEU)
03/2020	Non-Arthritic Hip Pain. MEDBRIDGE (0.15 CEU)
03/2020	Evidence and Interview of the Patient with Osteoarthritis of the Knee. MEDBRIDGE (0.2 CEU)
03/2020	Hip Osteoarthritis. MEDBRIDGE (0.15 CEU)
03/2020	Upper Extremity Osteoarthritis. MEDBRIDGE (0.15 CEU)
03/2020	An Introduction to Osteoarthritis. MEDBRIDGE (0.15 CEU)
03/2020	Post Surgical Management Part 3: Lower Extremity Surgical Interventions. MEDBRIDGE (0.25 CEU)
03/2020	Post Surgical Management Part 2: Upper Extremity Surgical Interventions. MEDBRIDGE (0.25 CEU)
03/2020	Post Surgical Management Part 1: Basic Principles and Spinal Surgery. MEDBRIDGE (0.2 CEU)
02/2020	Case Studies of the Knee: Stability Impairments and Osteoarthritis. MEDBRIDGE (0.2 CEU)
02/2020	Conservative Management of the ACL Deficient Knee. MEDBRIDGE (0.15 CEU)
02/2020	Assessment of Muscle Impairments Related to Knee Disorders. MEDBRIDGE (0.125 CEU)
02/2020	Stability of the Knee: Management of Common Ligamentous Pathology. MEDBRIDGE (0.2 CEU)
02/2020	Differential Diagnosis & Management of Anterior Knee Pain. MEDBRIDGE (0.2 CEU)
02/2020	Differential Diagnosis & Conservative Management of Lateral Knee Pain. MEDBRIDGE (0.2 CEU)
02/2020	Clinically Relevant Meniscus Pathology: Evaluation and Treatment. MEDBRIDGE (0.2 CEU)
02/2020	Orthopedic Case Studies of the Foot and Ankle. MEDBRIDGE (0.1 CEU)

02/2020	ICF Clinical Practice Guidelines: Heel Pain & Plantar Fasciitis. MEDBRIDGE (0.15 CEU)
02/2020	ICF Best Practice Recommendations: Heel Pain & Plantar Fasciitis. MEDBRIDGE (0.1 CEU)
02/2020	ICF Clinical Practice Guidelines Update: Lateral Ankle Sprain Interventions. MEDBRIDGE (0.15 CEU)
02/2020	ICF Clinical Practice Guidelines Update: Lateral Ankle Sprains. MEDBRIDGE (0.15 CEU)
02/2020	Evidence-Informed Assessment and Evaluation of Pain. MEDBRIDGE (0.2 CEU)
02/2020	Orthopedic Case Studies of the Shoulder. MEDBRIDGE (0.2 CEU)
02/2020	A Classification Approach to Managing Shoulder Pain and Dysfunction. MEDBRIDGE (0.2 CEU)
02/2020	Orthopedic Case Studies of the Lumbar Spine. MEDBRIDGE (0.15 CEU)
02/2020	Advanced Spinal Pathology for Physical Therapists. MEDBRIDGE (0.2 CEU)
01/2020	Evidence-Based Treatment of the Lumbar Spine. MEDBRIDGE (0.45 CEU)
01/2020	Evidence-Based Examination of the Lumbar Spine. MEDBRIDGE (0.55 CEU)
12/2019	Foot and Ankle Mechanics. MEDBRIDGE (0.2 CEU)
12/2019	Cranio-Mandibular Case Studies. MEDBRIDGE (0.05 CEU)
12/2019	Treatment of Temporomandibular Disorders and Headache. MEDBRIDGE (0.2 CEU)
12/2019	Evaluation and Diagnostic Classification of TMD. MEDBRIDGE (0.15 CEU)
12/2019	Orofacial Pain: Introduction, History and Examination. MEDBRIDGE (0.25 CEU)
12/2019	Integrative Clinical Reasoning Part 2: Applications in Practice. MEDBRIDGE (0.125 CEU)
12/2019	Integrative Clinical Reasoning Part 1: Decision-Making Building Blocks. MEDBRIDGE (0.125 CEU)
12/2019	Utilizing ICF Guidelines and Treatment-Based Classifications. MEDBRIDGE (0.1 CEU)
12/2019	Evidence-Informed Practice for the Clinical Specialist. MEDBRIDGE (0.2 CEU)
08/2019	The Item Writing and Test Development Workshop for the National Physical Therapy Examination (NPTE). Alexandria, VA
09/2018	A Cognitive-Mechanical Approach to the Management of Common Chronic Musculoskeletal Condition. Santa Clara, CA
09/2018	Epigenetic – Can Chronic Pain Be Inherited From our Parent? Santa Clara, CA
09/2018	Myofascial Decompression. Santa Clara, CA.
09/2018	Prioritizing Intervention for Low Back Pain Management. Santa Clara, CA
09/2018	Red Flags & Red Herrings: Clinical Decision Making in the Assessment and Treatment of Headaches. Santa Clara, CA
09/2018	Differential Diagnosis: Best Strategies and Best Tests. Santa Clara, CA
07/2018	Gross Dissection and Kinesiology of the Lower Extremity. Milwaukee, WI
06/2018	The Examination Development Committee Meeting for the National Physical Therapy Examination (NPTE). Los Angeles, CA
04/2018	Explain Pain. Pleasanton, CA
10/2017	Evidence-Based Therapeutic Exercise for Neck Pain Disorders. Los Angeles, CA
09/2017	Elbow, Wrist and Hand. San Diego, CA
09/2017	Mechanisms of Manual Therapy. San Diego, CA
09/2017	Preoperative Neuroscience Education for Lumbar Radiculopathy. San Diego, CA
09/2017	PT Regulation San Diego, CA

- 05/2017 Diagnosis and Treatment of Movement System Impairments of the Cervical and Lumbar Spine. Woodland Hills, CA
- 08/2016 The Examination Development Committee Meeting for the National Physical Therapy Examination (NPTE). Los Angeles, CA
- 02/2016 Motor Skill Training in People with Chronic Low Back Pain: An Alternative to Traditional Therapeutic Exercise. Anaheim, CA
- 02/2016 Making Research FUNctional How to Ignite Understanding, Utilization and Inquiry of Research Methods. Anaheim, CA
- 02/2016 The Complicated Hip: A New Debate. Anaheim, CA
- 02/2016 Rotator Cuff Disease: Evidence and Clinical Expertise for Exercise and Manual Therapy. Anaheim, CA.
- 02/2016 Differentiating Migraine, Cervicogenic, and Anxiety-Related Dizziness. Anaheim, CA
- 01/2016 The L300™ Foot Drop System: Certification Course. Los Angeles, CA
- 10/2015 Diagnosis and Treatment of Movement System Syndromes-Lower Quarter Advance Application (Knee & Ankle). St. Louis, MO
- 10/2015 Diagnosis and Treatment of Movement System Syndromes-Lower Quarter Advance Application (Lumbar & Hip). St. Louis, MO
- 09/2015 Explaining Pain to the Imprecision Hypothesis. Pasadena, CA
- 09/2015 Introducing the Cortical Body Matrix. Pasadena, CA
- 09/2015 Training the Brain. Pasadena, CA
- 09/2015 Performance Movement Techniques (PMT). Pomona, CA
- 08/2015 Advanced Therapeutic Ultrasound Update. Los Angeles, CA
- 08/2015 Rotator Cuff Dysfunction. Los Angeles, CA
- 08/2015 Gait Examination and Evaluation in Patients with Neurological Disorder. Los Angeles, CA
- 09/2014 Diagnosis and Treatment of Movement System Syndromes-Upper Quarter Advance Application (Elbow & Wrist). St. Louis, MO
- 09/2014 Diagnosis and Treatment of Movement System Syndromes-Upper Quarter Advance Application (Shoulder, Cervical & Thoracic Spine). St. Louis, MO
- 01/2014 Evidence-Based Assessments and Treatments for Thoracic Spine. Burbank, CA
- 12/2013 Diagnosis and Treatment of Movement System Syndromes of the Neck and Shoulder. Laguna Hills, CA
- 09/2013 Comprehensive Cervical Spine Management: Am I Missing Something? Pasadena, CA
- 09/2013 Legal and Ethical: How to Stay the Course. Pasadena, CA
- 09/2013 Concussion in Sports. Pasadena, CA
- 09/2013 Concussions and Brain Injury: Evaluating the Mild Signs. Pasadena, CA
- 07/2013 Kinesiology Taping and Movement Strategies. Pasadena, CA
- 09/2012 Return to Sports. Santa Clara, CA
- 09/2012 Implementing Comprehensive Neuroplasticity: Principled Treatment Plan for Individuals with Parkinson's – PWR!4Life. Santa Clara, CA
- 09/2012 Geriatric Strengthening: Determining and Delivering the Dosage. Santa Clara, CA
- 09/2012 Neuropathy: The Burning Question – How do I Help Balance, Strength and Function? Santa Clara, CA
- 09/2012 Geriatric Balance and Dizziness: Don't Believe the Aging Myths. Santa Clara, CA
- 03/2012 Strategic Grant Proposal Writing, Strategic Program Planning, and Strategic Grant Research. Los Angeles, CA
- 02/2012 Movement System Syndromes of the Thoracic Spine: Diagnosis and Treatment. Los Angeles, CA

- 04/2011 Movement System Syndromes of the Cervical Spine and Shoulder: Diagnosis and Treatment. Brea, CA
- 02/2011 Expanding Neurological Expertise: Advanced Practice in Vestibular Physical Therapy. New Orleans, LA
- 10/2010 PT Law Review for the Practicing Professional, Los Angeles, CA
- 08/2010 Movement System Syndromes of the Lumbar Spine and Hip: Interactions and Evidence. Brea, CA
- 06/2010 30-Hour Physical Agent Modalities Course. Orange, CA
- 09/2009 Year Long Orthopaedic Physical Therapy Course, Pomona, CA.
- 08/2009 Clinical Integration Seminar, NeuroCom® International Inc. Clackamas, OR
- 08/2008 Movement System Impairments of the Hip: Clinical Characteristics and Best Available Evidence. Oakland, CA
- 07/2008 Enhancing Treatment Outcomes with Therapeutic Modalities Electrotherapy and Ultrasound. Sherman Oaks, CA
- 12/2007 VA Amputation Care – Teams, Treatment, and Technology. Clearwater Beach, FL
- 09/2007 Evaluation and Treatment of the Complex Shoulder. Los Angeles, CA
- 06/2007 Vestibular Rehabilitation-A Comprehensive Clinical Approach for Positive Functional Outcomes. San Ramon, CA
- 05/2007 Retrofit Pilates RX™ Intensive Rehab. Santa Monica, CA
- 05/2004 The Cervical Spine with Olaf Evjenth. Folsom, CA
- 03/2001 The Science of Stability: Clinical Application to Assessment & Treatment of Segmental Spinal Stabilization for Low Back Pain. Santa Barbara, CA
- 01/2000 Diagnosis and Treatment of Movement Impairment Syndromes, Level II/III. St. Louis, MO
- 03/1999 Diagnosis and Treatment of Movement Impairment Syndromes, Level II. St. Louis, MO
- 09/1998 Diagnosis and Treatment of Movement Impairment Syndromes, Level I. Sacramento, CA
- 04/1997 Evaluation, Treatment & Prevention of Shoulder Disorders. San Antonio, TX
- 11/1996 Mobilization of the Nervous System. Phoenix, AZ
- 05/1996 Spinal Pain, Instability and Physical Treatment. Oakland, CA
- 10/1990 Micro-teaching in Physical Therapy. Pathumthani, Thailand
- 10/1990 Pool Therapy. Pathumthani, Thailand
- 03/1990 The New Concept in Treatment with High Frequency Current. Pathumthani, Thailand
- 01/1990 The Current Concept in Physical Therapy. Bangkok, Thailand
- 05/1989 The Spine: Mechanical Diagnosis and Treatment (Part A-Lumbar). Bangkok, Thailand