







| Session | ASSB Oral Presentation I (Room B) | |  |
|-------------|--|---|--|
| Topic | Muscle strength and conditioning, and training | | |
| Date | Oct 22, 2021 (Friday) | | |
| Chair | Dr. Jinn-Yen Chiang/ Dr. Ki-Kwang Lee | | |
| Time | Paper NO. | Title | Speaker |
| 10:40-10:55 | 21 | Regulate Velocity on Combined Training Improving the College Basketball Players Jumping Performance | Bo-Ying Chen |
| 10:55-11:10 | 46 | Auditory-Hand Response Training with Auditory Agility Training System | Chiao-Yin, Hsu |
| 11:10-11:25 | 53 | Strength and Conditioning Programmes for Improving Back Muscle Characteristics in Emergency Responders | Tommy Yew |
| 11:25-11:40 | 60 | The Effect of the Consistent Bending Direction of the Carbon Fiber Arrow Rod on the Dispersion of the Drop Point | LI JIAN CHEN |
| 11:40-11:55 | 62 | Comparing Muscle Activation of the Lower Extremity Between Different Rowing Intensities for Rowers. | Shun-Yu Chang |
| 11:55-12:10 | 135 | Discussion on isokinetic muscle strength of upper limbs and throwing speed of baseball players by plyometric training | Lin Chun Ta |


| Session | ASSB Oral Presentation I (Room C) | |  |
|-------------|--|---|--|
| Topic | Motion analysis and athletic sports motion | | |
| Date | Oct 22, 2021 (Friday) | | |
| Chair | Dr. Wei-Hua Ho/ Dr. Pui Wah Kong | | |
| Time | Paper NO. | Title | Speaker |
| 10:40-10:55 | 63 | The Effect of post Knee Injury Recovery on Lower Limb Kinematics | Zi-Jun Lin |
| 10:55-11:10 | 75 | Kendo Performance: Influence of Attacking Time | Che-Chia Chang |
| 11:10-11:25 | 27 | Analysis Of The Impact Loading During The Landing Phase Of Drop Jumps Combining Twists Of Different Angles | Chien-Ting Lai |
| 11:25-11:40 | 84 | Explore the relationship between the throwing trajectory variability, release timing variability and the dart performance in dart throwing. | Tsung Yu Huang |
| 11:40-11:55 | 43 | Comparison of Upper Limb Kinematics Among Able-Bodied and Wheelchair Table Tennis Players in Different Classifications | Yam Jia Wen |


| Session | TSBS Oral Presentation I (Room D) | |  |
|-------------|-----------------------------------|------------------------|--|
| Topic | 運動防護生物力學 | | |
| Date | 110年10月22日(禮拜五) | | |
| Chair | 張立羣, 何金山 | | |
| Time | Paper NO. | Title | Speaker |
| 10:40-10:55 | 101 | 棒球打擊手腕加速度峰值與手部疼痛感之關聯性 | 陳毅 |
| 10:55-11:10 | 104 | 慢性踝關節不穩定在步行中生物力學之系統性回顧 | 呂宇潔 |
| 11:10-11:25 | 125 | 青少年行走時體重對腳底壓力分佈特徵的研究 | 刘双飞 |
| 11:25-11:40 | | | |
| 11:40-11:55 | | | |


| Session | ASSB Oral Presentation II (Room A) | |  |
|-------------|---|--|--|
| Topic | Foot and footwear biomechanics/ Gait, posture and balance | | |
| Date | Oct 22, 2021 (Friday) | | |
| Chair | Dr. Jui-Hung Tu/ Dr. Yaodong Gu | | |
| Time | Paper NO. | Title | Speaker |
| 13:50-14:05 | 26 | The Inclined Footwear Reduced Ground Contact Time in Change of Direction Movement | Chi-Hsien Chen |
| 14:05-14:20 | 25 | Effect of Kinesio Taping on Round Shoulder Posture Correction for the Firefighters | Wei- Hao Fang |
| 14:20-14:35 | 109 | An alternative method of EMG normalization for gait studies | Wang, Hsin-Huan |
| 14:35-14:50 | 117 | The Effects of Different Pressure Football Socks Designs On Gait Stability | Ho,chi-sheng |
| 14:50-15:05 | | | |


| Session | ASSB Oral Presentation II (Room B) | |  |
|-------------|--|--|--|
| Topic | Computer Simulation in Sports/Neuromuscular biomechanics | | |
| Date | Oct 22, 2021 (Friday) | | |
| Chair | Dr. Chu Yun Cheng/ Dr. Nicholas Fiolo | | |
| Time | Paper NO. | Title | Speaker |
| 13:50-14:05 | 47 | As Study of ResNet Convolutional Neural Network for Prediction Competition Result - Fifteenth Women's Top Volleyball League as an Example | Ying-Xuan Qiu |
| 14:05-14:20 | 93 | The Immediate training effect between upper limb plyometric training machine and Lat Pulldown machine | Ti Wu |
| 14:20-14:35 | 130 | Effects of Two-Week Trainings between Gait Retraining and Neuromuscular Training on Contralateral Pelvic Drop in Recreational Long-Distance Female Runners | Venus Dokchan |
| 14:35-14:50 | 134 | Effect of Explicit and Implicit Instructions on Muscle Activation: A study of Table-tennis Return of Serve Tasks Learning | Wen-Hao Kuo |
| 14:50-15:05 | 61 | Whole-body segmental coordination in ballet performance | Dawon Park |
| 15:05-15:20 | 85 | Are the kinetics of the unanticipated landing related to the vertical drop jump? | Jian-Zhi Lin |


| Session | ASSB Oral Presentation II (Room C) | |  |
|-------------|------------------------------------|---|--|
| Topic | Sports rehabilitation and therapy | | |
| Date | Oct 22, 2021 (Friday) | | |
| Chair | Dr.Jia-Hao Chang/Dr.Chu-Ling Yen | | |
| Time | Paper NO. | Title | Speaker |
| 13:50-14:05 | 80 | Effects of different treatments on hand function for people with stenosing tenosynovitis | Wei-Hsien Hong |
| 14:05-14:20 | 114 | THE RELATIONSHIP BETWEEN ANXIETY, DEPRESSION, AND RESILIENCE IN COLLEGIATE ATHLETES | Rong Ma |
| 14:20-14:35 | 126 | Chinese to Improve The Level of Clinical Coronary Heart Disease (CHD) People Blood Fat And Left Ventricular Function of Meta-Analysis | liu shuang-fei |
| 14:35-14:50 | | | |
| 14:50-15:05 | | | |

| Session | TSBS Oral Presentation II (Room D) | |  |
|-------------|------------------------------------|---------------------------|--|
| Topic | 運動器材與科技生物力學 | | |
| Date | 110年10月22日(禮拜五) | | |
| Chair | 蔡葉榮, 蔡虔祿 | | |
| Time | Paper NO. | Title | Speaker |
| 13:50-14:05 | 35 | 棒球捕手膝關節輔助墊之效益分析 | 邱澤銘 |
| 14:05-14:20 | 90 | 無標記動作擷取系統技術討論 | 陳家明 |
| 14:20-14:35 | 110 | 局部定位系統用於不同層級網球選手專項表現差距之研究 | 吳家豪 |
| 14:35-14:50 | 106 | 射箭選手使用不同瞄準穩定性測量方法之比較 | 林芝渝 |
| 14:50-15:05 | | | |

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| Session | ASSB Oral Presentation III (Room A) | |  |
| Topic | Motion analysis and athletic sports motion | | |
| Date | Oct 23, 2021 (Saturday) | | |
| Chair | Dr.Chiang Liu/ Dr.Parunchaya Jamkrajang | | |
| Time | Paper NO. | Title | Speaker |
| 11:15-11:30 | 96 | Gender Performance Differences between Olympic Level Shooters | Chia-Hsin Chen |
| 11:30-11:45 | 133 | Relation between initial foot placement and change of direction angle during sidestepping cutting maneuver | Daichi Yamashita |
| 11:45-12:00 | 32 | Angular Speed of Multiple Back Somersaults in Competitive Diving and Gymnastics | Pui Wah Kong |
| 12:00-12:15 | 89 | The comparison of Functional Movement Screen shoulder mobility test shoulder range of motion between swimmers and tennis players | Tzu-Hao Liu |
| 12:15-12:30 | 94 | The effect of muscle activation induced by electric stimulation | Yu-Ting Chen |

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|--------------------|--|---|--|
| Session | ASSB Oral Presentation III (Room B) | |  |
| Topic | Muscle strength and conditioning, and training | | |
| Date | Oct 23, 2021 (Saturday) | | |
| Chair | Dr.Chia-Hsiang Chen/Dr.Raihana Sharir | | |
| Time | Paper NO. | Title | Speaker |
| 11:15-11:30 | 67 | Effect of Foot Strengthening Exercise on Navicular Drop Test and Foot Posture Index in Pes Planus : A Systematic Review and Meta-analysis | Sheng-Han Li |
| 11:30-11:45 | 73 | The effect of equal volume resistance training with different training frequencies on maximum muscle performance | Wan-Chen Tsai |
| 11:45-12:00 | 91 | Compare the effects of Unilateral VS. Bilateral Accentuated Eccentric Loading training for upper limbs strength, power and batting performance in recreational college baseball players | CHENG, KAI-JEN |
| 12:00-12:15 | 127 | Validity of the Submaximal Strength for Predicting One Repetition Maximum Bench Press | Fang Li |
| 12:15-12:30 | 132 | The effects of different postures, contraction modes and cable vibration on muscle activation during multi-degree-of-freedom cable machine training | Yong-Jie Deng |

| Session | ASSB Oral Presentation III (Room C) | |  |
|-------------|---|---|--|
| Topic | Sports technology | | |
| Date | Oct 23, 2021 (Saturday) | | |
| Chair | Dr.Pao-Hung Chung/Dr.Wat Limroongreungrat | | |
| Time | Paper NO. | Title | Speaker |
| 11:15-11:30 | 102 | Using inertial sensor to predict ground reaction force of jumping action | Chin-Wei Hsu |
| 11:30-11:45 | 119 | The Effect of Altering Bicycle Wheel Counterweight Positions on Lower Limb Muscle Activation and Pedaling Force | Tse Fu Shao |
| 11:45-12:00 | 131 | Analysis Of Wooden Ball Competition Results Based On Health And Performance | li -jie |
| 12:00-12:15 | 15 | Validation of Local Positioning System Through Different Moving Styles | Yi-Cheng Chou |
| 12:15-12:30 | 36 | Validity and Inter-unit Consistency of GPS Units in Straight-Line Sprint Running | Amandeep Kaur Chahal |

| Session | TSBS Oral Presentation III (Room D) | |  |
|-------------|-------------------------------------|------------------------------------|--|
| Topic | 身體活動和競技運動的生物力學 | | |
| Date | 110年10月23日(禮拜六) | | |
| Chair | 翁梓林, 王令儀 | | |
| Time | Paper NO. | Title | Speaker |
| 11:15-11:30 | 11 | 大學足球與籃球運動員站姿平衡表現之比較 | 黃漢年 |
| 11:30-11:45 | 34 | 自由車踩踏時間對功率輸出之影響 | 呂松庭 |
| 11:45-12:00 | 41 | 間歇與持續方式之震動刺激後對於跳躍力量耐力與心跳率之急 性效果 | 羅誌緯 |
| 12:00-12:15 | 81 | 動態伸展及注意力焦點對大學學生立定跳遠表現的影響 | 洪維憲 |
| 12:15-12:30 | | | |