

CUHK SPORTS BIOMECHANICS RESEARCH SUMMIT

DATE: 27 JULY 8:20 AM – 6:30 PM (SAT)
28 JULY 9:00 AM – 1 PM (SUN)

2024

VENUE: 209, CHENG YU TUNG BUILDING, THE CHINESE UNIVERSITY OF HONG KONG

Day 1

TIME	TOPICS	SPEAKERS
08:00 – 08:20	Registration	
08:20 – 08:30	Opening	Prof. Patrick Yung Dr. Daniel Fong
Public Lecture Series I: Biomechanics of ankle sprain and instability		Moderators: Prof. Qipeng Song, Dr. Daniel Fong
08:30 – 08:50	Mechanism and prevention of lateral ankle sprain	Dr. Daniel Fong
08:50 – 09:10	Surgical treatment of unstable ankle	Mr. Jitendra Mangwani
09:10 – 09:30	Ankle biomechanics and plantar pressure in Tai Chi exercise	Prof. Dewei Mao
09:30 – 09:50	Biomechanics and proprioception in unstable ankle	Prof. Qipeng Song
09:50 – 10:10	Arthrogenic muscle inhibition in chronic ankle instability	Ms. Ping Zhang
10:10 – 10:25	Break	
Public Lecture Series II: Computational biomechanics and wearable technology to measure ankle biomechanics		Moderators: Prof. Feng Wei, Dr. Daniel Fong
10:25 – 10:45	Using computer model to study ankle sprain biomechanics	Prof. Feng Wei
10:45 – 11:05	Finite element analysis of evaluating ankle fusion surgery	Dr. Simin Li
11:05 – 11:25	An open ankle models project for ankle injury research	Dr. Elise Pegg
11:25 – 11:45	Textile sensor to detect and monitor joint motion	Dr. Lulu Xu
11:45 – 13:15	Break	
Public Lecture Series III: Ankle and footwear biomechanics in dance and running		Moderators: Prof. Veni Kong, Prof. Samuel Ling
13:15 – 13:35	Ankle injuries and long-term problems in dancers	Prof. Samuel Ling
13:35 – 13:55	Footwear and ankle biomechanics in dance	Dr. Alycia Fong Yan
13:55 – 14:15	Gait re-training and ankle biomechanics in running	Prof. Roy Cheung
14:15 – 14:35	Biomechanics of footwear and ankle stability in sports	Prof. Veni Kong
14:35 – 14:50	Break	

CUHK SPORTS BIOMECHANICS RESEARCH SUMMIT

DATE: 27 JULY 8:20 AM – 6:30 PM (SAT)
28 JULY 9:00 AM – 1 PM (SUN)

2024

VENUE: 209, CHENG YU TUNG BUILDING, THE CHINESE UNIVERSITY OF HONG KONG

Day 1

TIME	TOPICS	SPEAKERS
Public Lecture Series IV: Biomechanics of the shoulder joint in sports		Moderators: Prof. Sakiko Oyama, Prof. Weerawat Limroongreungrat
14:50 – 15:10	The need of biomechanics in evaluating shoulder surgery	Dr. Jonathan Ng
15:10 – 15:30	Biomechanics of shoulder injury in overhead sports	Prof. Sakiko Oyama
15:30 – 15:50	Shoulder biomechanics in wheelchair sports	Prof. Weerawat Limroongreungrat
15:50 – 16:10	Biomechanics of unconstrained maximum overarm throws	Dr. Allan Fu
16:10 – 16:25	Break	
Public Lecture Series V: Asian Football Confederation (AFC) Travelling Fellows		Moderator: Prof. Patrick Yung
16:25 – 16:40	TBC	
16:40 – 16:55	TBC	
16:55 – 17:10	TBC	
17:10 – 17:25	TBC	
17:25 – 17:40	Break	
Public Lecture Series VI: CUHK Project Presentation		Moderators: Dr. Xin He, Dr. Joe Liang
17:40 – 17:55	Pulsed electromagnetic field therapy for knee osteoarthritis	Ms. Alicia Wang
17:55 – 18:10	Pulsed electromagnetic field therapy for unstable ankle	Ms. Cheryl Chia
18:10 – 18:25	Imaging assessments for shoulder injuries in Hong Kong elite athletes	Mr. Ben Choi

CUHK SPORTS BIOMECHANICS RESEARCH SUMMIT

DATE: 27 JULY 8:20 AM – 6:30 PM (SAT)
28 JULY 9:00 AM – 1 PM (SUN)

2024

VENUE: 209, CHENG YU TUNG BUILDING, THE CHINESE UNIVERSITY OF HONG KONG

Day 2

TIME	TOPICS	SPEAKERS
08:30 – 09:00	Registration	
	Public Lecture Series VII: Biomechanics of anterior cruciate ligament (ACL) injury	Moderators: Prof Gerwyn Hughes, Prof Boyi Dai
09:00 – 09:20	Biomechanics of the knee joint after ACL injury	Prof. Yuichi Hoshino
09:20 – 09:40	Biomechanical approach to address ACL injury	Prof. Evangelos Pappas
09:40 – 10:00	Decision making, divided attention, and ACL injury	Prof. Gerwyn Hughes
10:00 – 10:20	Soft fall-landing technique for preventing ACL injury	Prof. Boyi Dai
10:30 – 10:40	'Kissing knees' show no association with ACL injury	Dr. Kam-Ming Mok
10:40 – 11:00	Knee wobbling biomechanics in patients with ACL injury	Dr. Xin He
11:00 – 11:20	Break	
	Public Lecture Series VIII: Biomechanics of knee osteoarthritis and replacement	Moderators: Prof. Wei-Chun Hsu, Prof. Michael Ong
11:20– 11:40	Robotic surgery for treating knee osteoarthritis	Prof. Michael Ong
11:40– 12:00	Knee brace for adjusting joint loading in osteoarthritic knee	Prof. Jim Richards
12:00 – 12:20	Laterally wedged insoles to treat medial knee osteoarthritis	Prof. Wei-Chun Hsu
12:20 – 12:40	Biomechanics of total knee replacement systems	Prof. Michael LaCour
12:40 – 12:50	Conclusion Remarks	Prof. Patrick Yung, Dr. Daniel Fong