The 9th World Congress on Science and Football will be held at the Melbourne Convention and Exhibition Centre from 4 - 7 June 2019 and will host four days of keynote presentations, parallel stream sessions, exhibits, tours, awards, workshops and much more.

Hosted by Victoria University’s Institute for Health & Sport, the multidisciplinary congress will gather international academics, researchers from the natural, human and social sciences, as well as practitioners and professionals from industry and government.

It will highlight innovation and the newest translational research and applied approaches within five codes of football: Soccer, Rugby, and Australian, American and Gaelic Football.
The 9th World Congress on Science and Football will promote the use of science in football and ensure the outcomes are transitioned to practitioners in all football codes. Four days of keynote presentations, parallel stream sessions and applied workshops with over 200+ presenters will focus on key football themes:

**PLAYER HEALTH AND WELLBEING**
A 360-degree view of the football player – inside and outside of the arena. This theme will include a specific focus on the challenges concussion injuries present to football codes.

**PLAYER TRAINING AND MONITORING**
Cutting-edge approaches to enhance and control performance in football codes.

**REFEREERING**
Technological aspects; development of on-field officials, physically and psychologically.

**THE SOCIO-CULTURAL WORLDS OF FOOTBALL**
Historical, cultural, sociological, and anthropological approaches to football codes and the heritage of these codes.

**THE FUTURE OF FOOTBALL**
Strategically aligning sport business and science.

**COACHING – EXPLORING THE SCIENCE AND PRACTICE OF COACHING**
Open to all scientific disciplines whose research affects coaching practice.

**ANALYTICS AND STATISTICS**
The use of analytical and statistical techniques to analyse, visualise and communicate team-sport performance.

**TECHNOLOGY IN SPORT**
Current perspectives on technologies to track and monitor team-sport output, including manual video analysis, semi-automated tracking, wearables and advancements in turf and surface technologies.

**ELITE ACADEMIES: CHALLENGES, CONTROVERSIES, SUCCESSES**
Talent ID, selection, development, pathways and transfer; specialisation.

**FOOTBALL IS MEDICINE**

**AWARDS**
The 9th World Congress on Science & Football is pleased to offer a series of awards to recognise achievements in research and innovation in the use of science in football, award categories include:
- Student Investigator
- Science & Medicine in Football – Early Career Research
- Best Paper by Football Code
- People's Choice Survey.

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**INSTITUTE FOR HEALTH & SPORT**
The Institute for Health and Sport (IHES) is one of two Flagship Research Institutes at Victoria University. It addresses real-world problems of local, national and global relevance in both health and sport, across four multi-disciplinary research programs.

It was formed in 2018 by the combination of the world-leading Institute of Sport, Exercise and Active Living (ISEAL) and the Centre for Chronic Disease Prevention and Management.

The institute has a wide scope, encompassing institutional research in exercise science, active living, chronic disease, biomedical sciences, technology, nursing, community health, psychology, public health, sport performance, sport in society, sport participation and sport business.

www.vu.edu.au/research/institute-for-health-sport

**MELBOURNE**
Melbourne is globally recognised as a safe, welcoming and exciting city which is passionate about its sport. Not only has it invested in its tourism infrastructure to allow easy access around the city, it also has a plethora of events and festivals to be proud of.

The Melbourne Convention & Exhibition Centre is located on the banks of the iconic Yarra River in South Wharf and is just a short walk away from the city centre. The WCSF 2019 conference, networking events, workshops and tours will showcase the best of Melbourne. We hope you can come join us and stay for a few extra days and really appreciate the hospitality of Melbourne.

www.mcec.com.au
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:30</td>
<td>REGISTRATIONS OPEN</td>
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<tr>
<td>10:00</td>
<td>WELCOME BY CHAIR</td>
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<tr>
<td>10:30</td>
<td>OFFICIAL ADDRESS</td>
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<tr>
<td>11:00</td>
<td>OPENING KEYNOTE PRESENTATION - Prof Caroline Finch, Edith Cowan University</td>
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<td></td>
<td>MAXIMISING INJURY PREVENTION SUCCESS IN FOOTBALL</td>
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<tr>
<td>12:00</td>
<td>INVITED PRESENTATION</td>
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<tr>
<td>12:30</td>
<td>AFTERNOON TEA</td>
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<tr>
<td>13:00</td>
<td>INDUSTRY PRESENTATION - Prof Ben Jones and Nick Dalton-Barron</td>
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<tr>
<td>14:00</td>
<td>TOM REILLY MEMORIAL LECTURE - Prof Kevin Norton, University of South Australia</td>
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<tr>
<td>15:00</td>
<td>WELCOME RECEPTION</td>
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<td>19:00</td>
<td>DAY ONE CLOSES</td>
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**9TH WORLD CONGRESS ON SCIENCE & FOOTBALL**

**TUESDAY 4TH JUNE 2019 PROGRAM**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
<th>Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>9:30</td>
<td>PLAYER HEALTH &amp; WELLBEING</td>
<td>Andreas Holmman - Pressure level in German junior Bundesliga soccer</td>
<td>PRESSURE LIFE IN GERMAN JUNIOR BUNDESLIGA SOCCER</td>
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<tr>
<td>9:45</td>
<td>INVITED PRESENTATION</td>
<td>Dr Martin Littlewood - Performance costs: The person</td>
<td>ACTION RESEARCH: PREPARING MALTESE FOOTBALLERS FOR MIGRATORY BASED TRANSITIONS</td>
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<tr>
<td>10:00</td>
<td>MORNING TEA</td>
<td>Bradley Thomey - Peak match intensities of elite football players in Australian effect of playing position and match half</td>
<td>THE OCCURRENCE OF REPEATED HIGH ACCELERATION ABILITY (RHA) IN ELITE FEMALE FOOTBALL</td>
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<tr>
<td>10:15</td>
<td>PLAYER TRAINING &amp; MONITORING</td>
<td>Dole Rod - Giving &quot;live&quot; GPS feedback to athletes: Does it alter locomotor performance during small-sided games?</td>
<td>SPEED TESTING IN SOCCER: A SYSTEMATIC REVIEW</td>
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<tr>
<td>10:30</td>
<td>INVITED PRESENTATION</td>
<td>Dr Juan Carlos Mazzu - Soccer. Aerobic, anaerobic, predominant sport activities, fallacies, and scientific evidence related to aerobic endurance relevance, testing and training methodology in performance</td>
<td>QUANTIFYING THE TECHNICAL SKILL DEMANDS IN ELITE MEN'S AUSTRALIAN RULES FOOTBALL FROM PRE-SEASON TO IN-SEASON TRAINING AND COMPETITION</td>
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<tr>
<td>10:45</td>
<td>PLAYER TRAINING &amp; MONITORING</td>
<td>Anis Abloukh - Recovery after elite rugby match: Effect of whole body cryotherapy and high heart capacity mattress on sleep</td>
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<td>11:00</td>
<td>MORNING TEA</td>
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<tr>
<td>11:30</td>
<td>PLAYER TRAINING &amp; MONITORING</td>
<td>Prof Hire Nunome - Deed Neal Smith</td>
<td>DIFFERENT KICKING STYLES IN SOCCER</td>
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<td>11:45</td>
<td>ELITE ACADEMIES</td>
<td>Fabio Serpiello - Differences in internal and external load between youth football players of different maturation status during peak height velocity</td>
<td>DIFFERENCES IN KICKING - TECHNICAL SKILLS IN ELITE FOOTBALL PLAYERS</td>
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<tr>
<td>12:00</td>
<td>COACHING</td>
<td>Adam Goodman - Examining the relationship between female youth soccer players’ perceptions of their talent development environments, and their career intentions, aspirations and beliefs</td>
<td>THE RELATIONSHIP BETWEEN FEMALE YOUTH SOCCER PLAYERS' PERCEPTIONS OF THEIR TALENT DEVELOPMENT ENVIRONMENTS, AND THEIR CAREER INTENTIONS, ASPIRATIONS AND BELIEFS</td>
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<tr>
<td>12:15</td>
<td>PLAYER TRAINING &amp; MONITORING</td>
<td>Dr Neil Bezdids - Factors associated with successful goal kicking in rugby</td>
<td>GOAL KICKING IN RUGBY</td>
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<td>12:30</td>
<td>EDDY CHAVEZ</td>
<td>Anthea Clarke - Pillars of professionalism: The rise of elite women's sport in Australia</td>
<td>PILLARS OF PROFESSIONALISM: THE RISE OF ELITE WOMEN'S SPORT IN AUSTRALIA</td>
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<td>12:45</td>
<td>EDDY CHAVEZ</td>
<td>Balin Copples - The development of a sport specific coping and psychosocial skill intervention in Elite Women's Rugby League</td>
<td>THE DEVELOPMENT OF A SPORT SPECIFIC COPING AND PSYCHOSOCIAL SKILL INTERVENTION IN ELITE WOMEN'S RUGBY LEAGUE</td>
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**Wednesday 5th June**

**13:00 LUNCH**

**14:00 KEYNOTE PRESENTATION - David Rath**
THE WORK BEHIND AFL RULE CHANGES AND THE NEW AFL COACHING FRAMEWORK

**14:50 TRANSFER TO STREAM SESSIONS**

- **PLAYER HEALTH & WELLBEING**
  - **15:00**
    - Isa Be Streندal - A DESCRIPTIVE ANALYSIS OF THE INCIDING EVENTS PRIOR TO ACUTE OLF MUSCLE INJURIES IN PROFESSIONAL FOOTBALL PLAYERS
  - **15:15**
    - Joel Fuller - THE FUNCTIONAL MOVEMENT SCREEN AND INJURY RISK IN JUNIOR AUSTRALIAN FOOTBALL PLAYERS: THE IMPORTANCE OF REPLICATION STUDIES
  - **15:30**
    - Tim Hassed - COMPARISON OF PLAYER-DEFENDANT AND PLAYER-INDEPENDENT SPEED THRESHOLDS TO MODEL INJURY RISK IN SOCCER
  - **15:45**
    - Rui Marcelo - DOES SIZE MATTER IN THE AERIAL DUELS INTO THE BOX? INSIGHTS FROM 2017-2018 SEASON MATCHES USING A DIFFERENT COMPETITIONS
  - **16:00**
    - Martijn Wolijn - IN-SEASON HAMSTRING STRENGTH TESTING: POTENTIAL FOR SECONDARY INJURY PREVENTION?
  - **16:15**
    - Matthew Whidden - THE PREVALENCE AND IMPACT OF MODIFIED TRAINING IN ELITE FOOTBALL ACADEMY

- **16:30 AFTERNOON TEA**

- **17:00**
  - **PLAYER TRAINING & MONITORING**
    - Siddharta Bhattacharya - SENSITIVITY AND INDIVIDUAL RESPONSES OF A SUBMAXIMAL FITNESS TEST IN RUGBY LEAGUE PLAYERS
  - **17:15**
    - Nigel Smith - EVALUATION OF A CLINICAL CUTOFF OF MAXIMAL NORDIC STRENGTH AS A RISK FACTOR FOR HAMSTRING INJURY IN PROFESSIONAL AUSTRALIAN FOOTBALL PLAYERS
  - **17:30**
    - Joel Fuller - IS THERE AN APPROPRIATE FUNCTIONAL MOVEMENT SCREEN COMPOSITE SCORE THRESHOLD FOR INJURY RISK ESTIMATION IN ELITE JUNIOR AUSTRALIAN FOOTBALLERS
  - **17:45**
    - Sarah Janzen - ASSESSING THE DIETARY INTAKES OF FEMALE AUSTRALIAN FOOTBALL (AFLW) ATHLETES.
  - **18:00**
    - Yusuke Tabei - LONGITUDINAL CHANGES IN STRESS AMONG COLLEAGUE SOCCER PLAYERS DURING A COMPETITIVE SEASON: FROM PERSPECTIVES OF PSYCHOLOGICAL AND BIOLOGICAL STRESS INDICATORS
  - **18:15**
    - Del Wong - MENTAL TOUGHNESS AS AN IMPORTANT FACTOR IN ELITE YOUTH FEMALE SOCCER PLAYERS

- **18:30 DAY TWO CLOSES**

**ANALYTICS & STATISTICS**

- **15:00**
  - Alexandre Atteck - SUPPORT LEG MECHANICS IN RUGBY PLACE KICKING
  - **15:15**
    - Hironori Shitara - CHANGE IN SOCCER PLAYERS’ DIRECT SHOT PERFORMANCE WITH A ROLLING BALL AT DIFFERENT VELOCITIES
  - **15:30**
    - Koran Kinoshita - IMPACT POINT DETECTION AND AUTION ANALYSIS FOR THREE TYPES OF KICK IN FOOTBALL
  - **15:45**
    - Susanne Elker - AUTOMATIC KICK COUNTING IN AUSTRALIAN FOOTBALL USING INERTIAL MEASUREMENT UNITS (IMU)
  - **16:00**
    - Riehgo Lu - MATHEMATICAL MODEL OF THE TRAJECTORIES OF A SIDE-SPINNING SOCCER BALL BASED ON STOKE’S THEOREM AND THE MAGNUS EFFECT
  - **16:15**
    - Neal Smith - EXPERIENCED PLAYERS UTILISE DIFFERENT PELVIC AND KICK LEG KINEMATIC STRATEGIES TO GENERATE FOOT VELOCITY IN SOCCER INSTEP KICKING.

- **17:00**
  - **PLAYER TRAINING & MONITORING**
    - Tanah Scott - SENSITIVITY AND INDIVIDUAL RESPONSES OF A SUBMAXIMAL FITNESS TEST IN RUGBY LEAGUE PLAYERS
  - **17:15**
    - Arushi Bhangoo - THE EFFECT OF BIOLOGICAL MATURE ON PHYSICAL PERFORMANCE MEASURES AND MUSCLE RANGE OF MOTION FOLLOWING ECCENTRIC TRAINING IN JUNIOR SOCCER PLAYERS
  - **17:30**
    - Barry Forgan - EFFECT OF REPEATED POSTEXERCISE HOT VERSUS COLD WATER IMERSION ON HEMATOLOGICAL MEASURES FOLLOWING RESISTANCE TRAINING IN SUB-ELITE SUPER-RUGBY PLAYERS
  - **17:45**
    - Carlos Ramirez - TEAM WORK MAKES THE DREAM WORK: AN INSIGHT INTO AN INTERNATIONAL COOPERATION DURING THE UNDER-18S NATIONS COMPETITION
  - **18:00**
    - Caroohn Wike - FASTER AND SLOWER POST-TRAINING RECOVERY: MULTIFACTORIAL CLASSIFICATION OF RECOVERY PROFILES IN FUTSAL
  - **18:15**
    - Chloe Currie - TRAINING LOAD PRIOR TO INJURY IN PROFESSIONAL RUGBY LEAGUE PLAYERS: INSIGHTS FROM MACHINE LEARNING

- **18:30 DAY TWO CLOSES**

**COACHING/TRAINING & MONITORING**

- **15:00**
  - **ELITE ACADEMIES**
    - Brad Keller - TALENT IDENTIFICATION IN AUSTRALIAN YOUTH SOCCER PLAYERS
  - **15:15**
    - Elie Berber - WHAT MAKES THE X-FACTOR IN FOOTBALL? A COMPLEX SYSTEMS APPROACH TO TALENT IDENTIFICATION
  - **15:30**
    - Nikki Rammell - PRACTICAL USEABILITY OF MATURE OFFSET/RATIO PREDICTION EQUATIONS IN ELITE YOUTH SOCCER PLAYERS
  - **15:45**
    - YOUTH ACADEMY PANEL
    - Dr Fabio Serpiello (Chair)
    - Prof Donna O’Connor
    - Dr Antonio Figueiredo
    - Paolo Cintia

- **16:00**
  - **THE FC BARCELONA APPROACH**
    - Maurici Lopez-Felip, Angel Ric, Enric Gimenez, James Vaughn, Palo Caio
    - TOWARDS A SCIENTIFIC UNDERSTANDING OF POSITIONAL PLAY
  - **16:15**
    - Nathan Pitchford - SLEEP CHARACTERISTICS AND BEHAVIOURS IN AMATEUR FOOTBALL REFEREES

- **17:00**
  - **THE FC BARCELONA APPROACH**
    - New Perspectives on Soccer from the Science of Complex Systems
  - **17:15**
    - Scott Russell - WHY DO REFEREES MAKE DECISIONS AT ALL?
  - **17:30**
    - Nathan Pitchford - DIFFERENCES BETWEEN TRAINING AND MATCH ACTIVITY PROFILES OF AMATEUR FOOTBALL REFEREES

**REFEREEING**

- **15:00**
  - **15:15**
    - Aden Kilm - THE VALIDITY AND RELIABILITY OF 360 DEGREE VIRTUAL REALITY IN AUSTRALIAN FOOTBALL UMPIRES
  - **15:30**
    - Matthew Fiegensen - COLLECTIVE BEHAVIOUR EXHIBITED IN THE CASE OF DIFFERENT INDIVIDUAL ADJUSTMENT INEQUALITIES: A SIMULATION STUDY
  - **15:45**
    - James Berrill - ANALYSING PERFORMANCES AND THEIR IMPLICATIONS TO THE COACHING PROGRAM IN RUGBY SEVENS
THURSDAY 6TH JUNE

7:30 REGISTRATIONS OPEN

8:00 KEYNOTE PANEL DISCUSSION - INTEGRITY IN FOOTBALL
Prof Hans Westerbeek, Professor of International Sports Business, Victoria University (Chair)
Prof Rob Arghy, Victoria University
Mr John Didulica, Chief Executive, Professional Footballers Australia
Mr Tony Keane, Head of Integrity and Security, Australian Football League

8:50 INDUSTRY PRESENTATION - Alex Sadkujew - Melbourne Football Club (AFL)

9:45 ANNUAL GENERAL MEETING

9:20 TRANSFER TO STREAM SESSIONS

9:30 PLAYER HEALTH & WELLBEING
Andrew Bruder - ECCENTRIC KNEE FLEXOR WEAKNESS FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: IN ELITE FEMALE AUSTRALIAN FOOTBALL PLAYERS

9:45 ANNUAL GENERAL MEETING

10:00 HIGH PERFORMANCE IN AUSTRALIAN FOOTBALL
Dhinn Stewart - West Coast Eagles Football Club (AFL)

10:15 ANNUAL GENERAL MEETING

10:30 SAMUEL CHALMERS - DOES THE FUNCTIONAL MOVEMENT SCREEN (FMS) HAVE AN ASSOCIATION WITH INCREASED INJURY RISK IN SPORTING POPULATIONS: A SYSTEMATIC REVIEW AND META-ANALYSIS

10:45 ANNUAL GENERAL MEETING

11:00 MORNING TEA

11:30 PLAYER TRAINING & MONITORING
Dean Gamble - POSITIONAL AND TEMPORAL DIFFERENCES IN HIGH INTENSITY RUNNING AND PLAYLOAD IN ELITE MALE GAELIC FOOTBALLERS

11:45 RUFIN BOUMPOTOU - IMPACT OF A PREVIOUS SURGERY ON VERTICAL JUMP AND LOWER LIMB MUSCLE STRENGTH ON ELITE SOCCER PLAYERS

12:00 DENNY NOOR - SELF-REPORTED WELLNESS PROFILES OF INTERNATIONAL FOOTBALLERS DURING MAJOR INTERNATIONAL TOURNAMENTS

12:15 GIUSEPPE COSTALI - EFFECTS OF ENHANCED ECCENTRIC TRAINING ON CHANGE OF DIRECTION, MUSCLE ARCHITECTURE AND HAMSTRING-TO-QUADRICEPS RATIO

12:30 INVITED PRESENTATION
Prof Del Wong - TID AND LONG-TERM DEVELOPMENT OF YOUTH SOCCER PLAYERS IN CHINA

12:45 INVITED PRESENTATION
Prof Rochelle Eime - Football participation trends including retention and attrition rates

12:45 INVITED PRESENTATION
Prof Peter Krstrup

13:00 BREAKOUT SESSIONS

13:30 TOPIC A: SLEEP IN ELITE FOOTBALL– THE CREATION, IMPLEMENTATION AND APPLICATION TO FOOTBALL

13:45 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

14:00 ANNUAL GENERAL MEETING

14:15 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

14:30 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

14:45 ANNUAL GENERAL MEETING

15:00 BREAKOUT SESSIONS

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16:00 ANNUAL GENERAL MEETING

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16:45 ANNUAL GENERAL MEETING

17:00 BREAKOUT SESSIONS

17:30 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

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18:00 ANNUAL GENERAL MEETING

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18:45 ANNUAL GENERAL MEETING

19:00 BREAKOUT SESSIONS

19:30 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

19:45 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

20:00 ANNUAL GENERAL MEETING

20:15 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

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20:45 ANNUAL GENERAL MEETING

21:00 BREAKOUT SESSIONS

21:30 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

21:45 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

22:00 ANNUAL GENERAL MEETING

22:15 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

22:30 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

22:45 ANNUAL GENERAL MEETING

23:00 BREAKOUT SESSIONS

23:30 TOPIC A: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

23:45 TOPIC B: THE RELATIONSHIP BETWEEN CONTEXUAL PLAYER MOTION AND TECHNICAL TACTICAL PERFORMANCE IN PROFESSIONAL SOCCER LEAGUE PLAYERS

24:00 ANNUAL GENERAL MEETING
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<th>Time</th>
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<tr>
<td>14:00</td>
<td><strong>KEYNOTE PRESENTATION</strong> - Prof Jaime Sampaio</td>
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<td>14:30</td>
<td><strong>TRANSFER TO STREAM SESSIONS</strong></td>
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<tr>
<td>15:00</td>
<td><strong>PLAYER HEALTH &amp; WELLBEING</strong></td>
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<td>Dean Norris - INFLUENCE OF PHYSICAL QUALITIES UPON SEASONAL TRENDS IN</td>
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<td>DYNAMIC AND ISOMETRIC MEASURES OF NEUROMUSCULAR FATIGUE</td>
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<td>15:15</td>
<td><strong>INVITED PRESENTATION</strong></td>
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<td>De Vincent Gouttebarge - MENTAL HEALTH IN PROFESSIONAL FOOTBALL -</td>
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<td>OCCURRENCE, STRESSORS AND SUPPORT SERVICES IN AUSTRALIA</td>
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<td>15:30</td>
<td>**CONCUSSIONS AND REPETITIVE HEAD IMPACTS IN FOOTBALL (SOCCER) — WHAT</td>
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<td>ALL THE FUSS AND SHOULD I CARE?</td>
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<td>15:45</td>
<td><strong>INVITED PRESENTATION</strong></td>
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<td>Prof Thomas Kaminski - DETERMINATION OF LOCOMOTOR QUALITIES IN ELITE</td>
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<td>AUSTRALIAN FOOTBALL: A PRACTICAL APPROACH</td>
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<td>16:00</td>
<td><strong>HIGH PERFORMANCE PANEL</strong></td>
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<td>DISCUSSION: WHAT CAN WE LEARN FROM OTHER CODES?</td>
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<td>16:15</td>
<td>**MONITORING HEAD IMPACTS AND LINEAR ACCELERATIONS IN FEMALE YOUTH</td>
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<td>SOCCER PLAYERS OVER THE COURSE OF A COMPETITIVE SEASON</td>
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<td>16:30</td>
<td>**Kerry Peek - INCREASED NECK STRENGTH MAY REDUCE HEAD IMPACT DURING</td>
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<td>FOOTBALL HEADING: A SYSTEMATIC REVIEW</td>
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<td>16:45</td>
<td>**THOMAS KAMINSKI - PRELIMINARY EXAMINATION OF THE GET AHEAD SAFELY IN</td>
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<td>SOCCER PROGRAM IN A YOUTH SOCCER POPULATION</td>
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**Wednesday 5th June**

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PO Box 5247
South Melbourne VIC 3205
Email: events@smartconnection.net.au
Phone: 03 9421 0133

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linkedin.com/company/wcsf2019/
The 2019 World Congress on Science and Football is offering additional workshops on Friday 7th June for all fully registered delegates.

These workshops will be held offsite from the Melbourne Convention & Exhibition Centre and will all finish by 3pm with the individual workshops information listed below.

**SKILL DEVELOPMENT – MOVEMENT VARIABILITY IN FOOTBALL**
This morning workshop session will apply the use of movement variability to develop football skills.

Workshop presented by Professor Jaime Sampaio, and Diogo Coutino, University of Trás-os-Montes, Portugal.

**PLAYER TRACKING AND DATA ANALYTICS**
This workshop will explore current player tracking technology, the issues with its accuracy and ways to analyse the data, presented by Associate Professor Sam Robertson, Head of Innovation, Western Bulldogs, TRACK.

This session will also include additional presenters:

- **Analytics in Football using position data** - presented by Bruno Gonçalves, University of Trás-os-Montes, Portugal
- **Managing athlete data using R, an open-source programming language** - presented by Dr Alice Sweeting, Western Bulldogs AFL and Victoria University

**KICKING – APPLICATION OF SCIENCE IN KICKING SKILL MONITORING AND DEVELOPMENT**
Using wearable and high speed video technology, this morning session will explore different methods of analysing kicking technique and how to improve the skills of the kicker across soccer, Australian Football and the rugby codes.

Workshop presented by:
Professor Hirayuki Nunome, Fukuoka University, Japan
Dr Neal Smith, University of Chichester, UK
Dr Neil Bezodis, Swansea University, UK
Dr Kevin Ball, TRACK, Victoria University

**PERIODISING SKILL ACQUISITION FOR FOOTBALL**
This afternoon workshop will apply the SPORT acronym (ie; Specificity, Progression, Overload, Reversibility and Tedium) to the systematic development of football skills. The underpinning principles will be detailed and complimented with practical applications. Attendees will walk away from the session with an overarching framework for how to effectively develop football skills.

Workshop developed by Professor Damian Farrow, Victoria University.

**FOOTBALL STUDIES PUBLISHING WORKSHOP**
This roundtable workshop, to be held at the Footscray Park campus of Victoria University, will feature an array of speakers including leading scholars, writers and publishers who will discuss the elements of successful academic publishing in the field of football studies. The workshop is suitable for experienced authors, postgraduate students and aspiring writers who will have the opportunity to share their experiences about the best options and outlets for publishing work on the social-cultural aspects of the various football codes.

Professor Mike Huggins, Emeritus Professor of Cultural History at the University of Cumbria, and Adjunct Associate Professor Rob Hess, Regional Editor of the International Journal of the History of Sport, will chair the workshop.

All WCSF2019 fully registered delegates will be invited to attend these optional workshops.