

# SOUTH AMERICAN WORKSHOP

WEDNESDAY, DECEMBER 9

8.30am Coffee

9am Workshop starts

9.15am **Introduction**  
Henrique Ortigao

9.45am **GPS technology and periodisation in football training**  
Miguel Campos Vazquez

Miguel is a physical trainer and football specialist, working as a trainer at the professional level since 1999 with seven seasons in the Spanish first division and eight seasons in the second division.

Miguel is a specialist in strength, fitness and injury prevention, with a Masters in Injury Prevention and Rehabilitation, and Physical and Athletic Performance. Miguel completed his doctorate in sports science with the thesis title 'Monitoring of physical and physiological training and competition in soccer'.

10.45am Coffee

11am **The intersection of sports science and data science at Catapult**  
Mike Lee and Carlos Ohanian

12pm Lunch

1pm **Making sense of tracking data: An introduction to Catapult**  
Chris Barnes

Chris Barnes worked for eight years in the higher education sector before becoming the first sports scientist to be employed in Premier League football when he joined Middlesbrough FC in 1997. Over the past 18 years he has worked with several Premier League clubs where he has introduced structures and systems to deliver an integrated sports science curriculum.

In 2010 he formed CB Sports Performance Ltd, and has subsequently worked with England Rugby League, GB Basketball as well as clients in the USA and Europe.

2.30pm Coffee

2.45pm **Match and training analysis in team sports: Learning from science and world-class football**  
André Fornaziero

André Fornaziero specialises in Performance Physiology, studying the physical activities of Atlético Paranaense athletes to enhance their movement efficiencies. André monitors his athletes using Catapult to analyse the biomechanical response and judge whether the load is being properly applied.

André has been published in over a dozen peer-reviewed journals, with particular focuses on physiological and biomechanical responses in elite soccer players.

3.45pm **Applying Catapult in various sports**  
Henrique Ortigao

4.30pm Workshop ends

**catapult.**