



IEEE IM09/CAS04/COM19
Florianópolis-SOUTH BRAZIL
Technical Chapter

IEEE Technical Chapter IM09/CAS04/COM19

LECTURE

Computational Intelligence for Motion Analysis: A Sensor Fusion Perspective

In this talk, Dr. Brum will discuss her recent work at McGill and MIT to tackle the problem of improving the accuracy of sensing systems for motion analysis, including **wearable sensors** and **infrared-based motion capture systems**. She will discuss the use of **sensor fusion** techniques as a means of compensating soft-tissue artifact and for providing more accurate biomechanical metrics, motion classification, and motion evaluation. Finally, she will share her perspectives for motion analysis research and rehabilitation as well as challenges and opportunities in **sensing engineering**.

by:



Dr. Carolina Brum Medeiros

Data: September 16th

Time: 10h00

Local: Auditorium Teixeira