



## Title of Invention

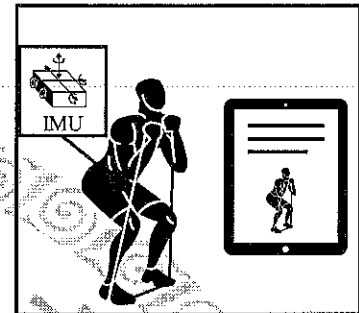
**PI :** Prof. Wei-Li Hsu

Department of School and Graduate Institute of Physical Therapy College of Medicine, National Taiwan University

**Experience:** The research field of Wei-Li Hsu is the development of rehabilitation training and assistive devices after surgery of spondylosis, providing evidence of the theoretical basis and clinical efficacy of rehabilitation.

**(Department website:**

[https://www.mc.ntu.edu.tw/ntupt/vcard.action?q\\_type=-1&q\\_itemCode=114](https://www.mc.ntu.edu.tw/ntupt/vcard.action?q_type=-1&q_itemCode=114))



**Market Needs:** The lack of relevant training equipment in the market has limited players' development in the crucial area of lumbar-pelvic control, which is essential for power transfer in baseball pitching. This invention addresses this gap by providing a unique training device that offers real-time feedback on players' lumbar-pelvic control. Utilizing advanced sensing technology, the device accurately monitors and assesses players' movements, providing immediate guidance and adjustments. This improves training efficiency, movement accuracy, and overall athletic performance. The market demand for this training solution extends beyond professional teams to include sports enthusiasts and amateur athletes seeking to enhance their lumbar-pelvic control. As a result, this invention holds significant market potential.

**Our Technology:** This invention detects athletes' lumbar-pelvic control and adjusts training difficulty accordingly. Real-time measurements of training outcomes enable players to monitor progress. It helps them learn proper movement control, preventing injuries. Real-time feedback allows timely adjustments and improves athletic performance while reducing injury risks.

**Strength:** This invention provides added value by enhancing movement control training. It offers players and coaches a deeper understanding, optimizing athletic performance and training efficiency. Unlike traditional methods lacking real-time feedback, this invention enables instant feedback, improving precision and effectiveness in training.

### Competing Products:

Currently, there are no relevant competing products in the market.

### Intellectual Properties:

No other patents have been applied for this invention

### Contact (do not need to fill out):

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