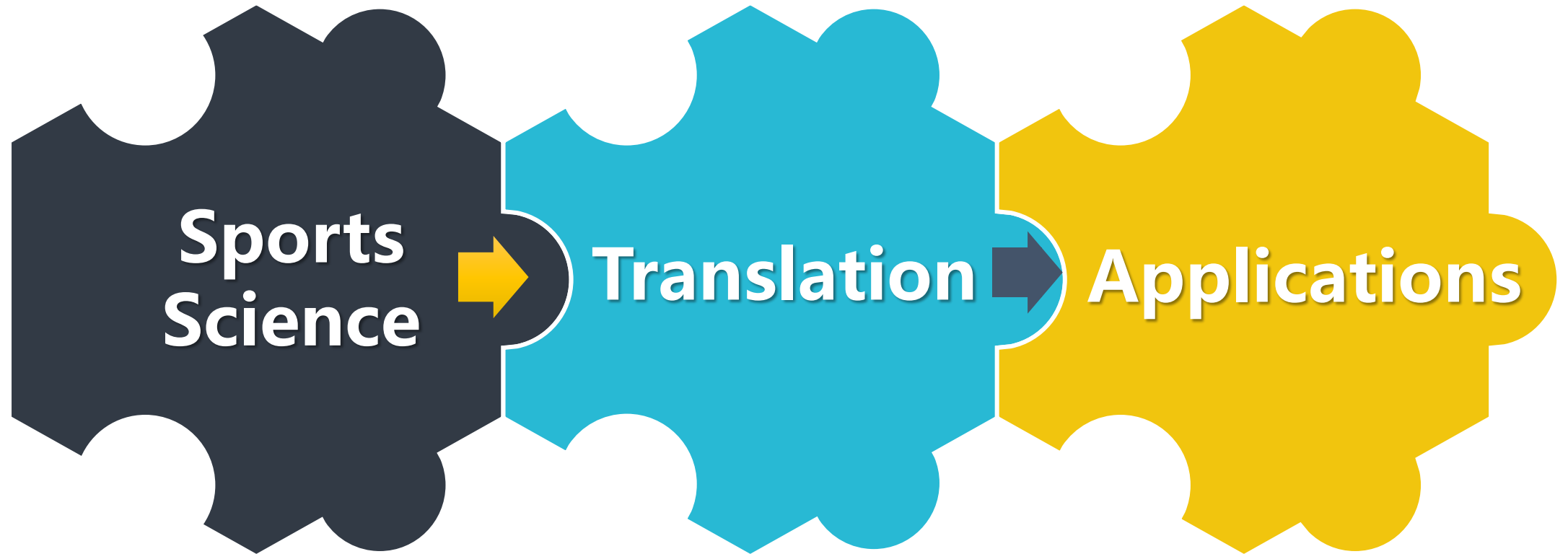


National Taiwan Normal University



Sport Technology Lab

Translational Technology



Research Directions

01

Sports Technique Analysis

Sports Equipment Design

02

03

Innovative Product



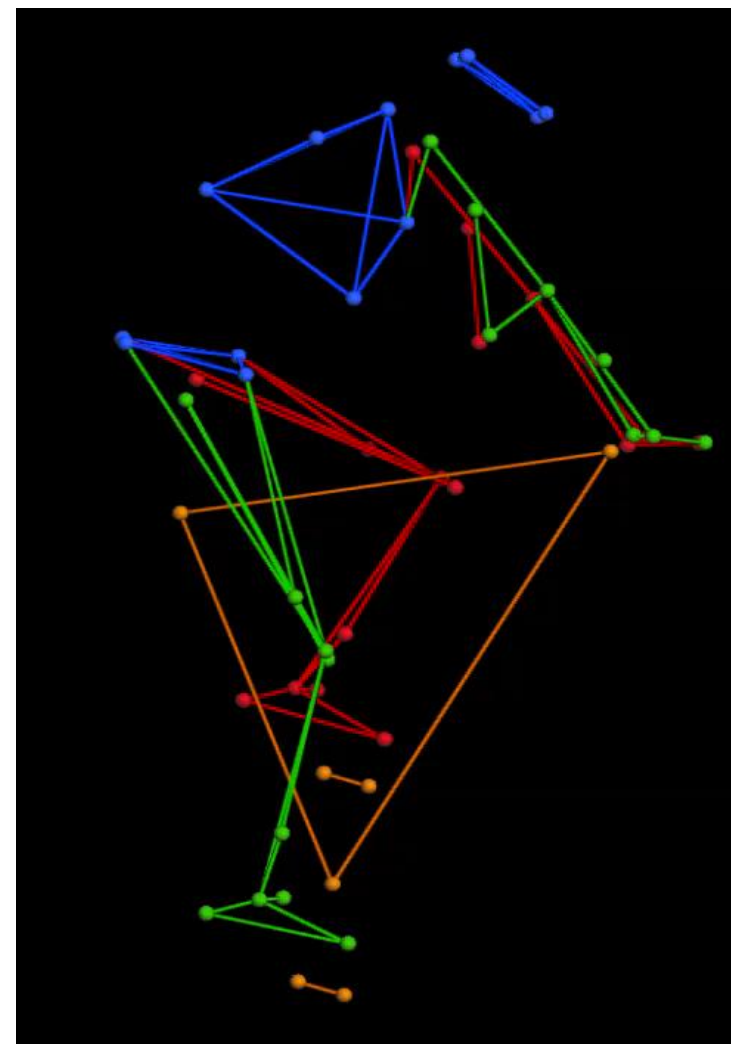
Sports Technique Analysis

Sports performance enhancement



Sports Technique Analysis

Sports techniques correction



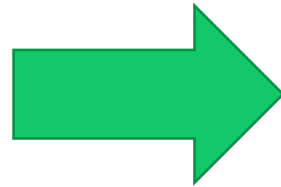
Sports Technique Analysis

Sports injury reduction

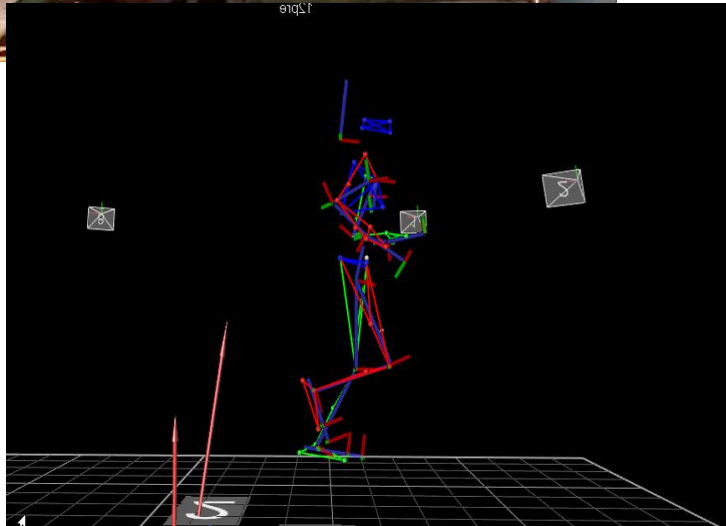
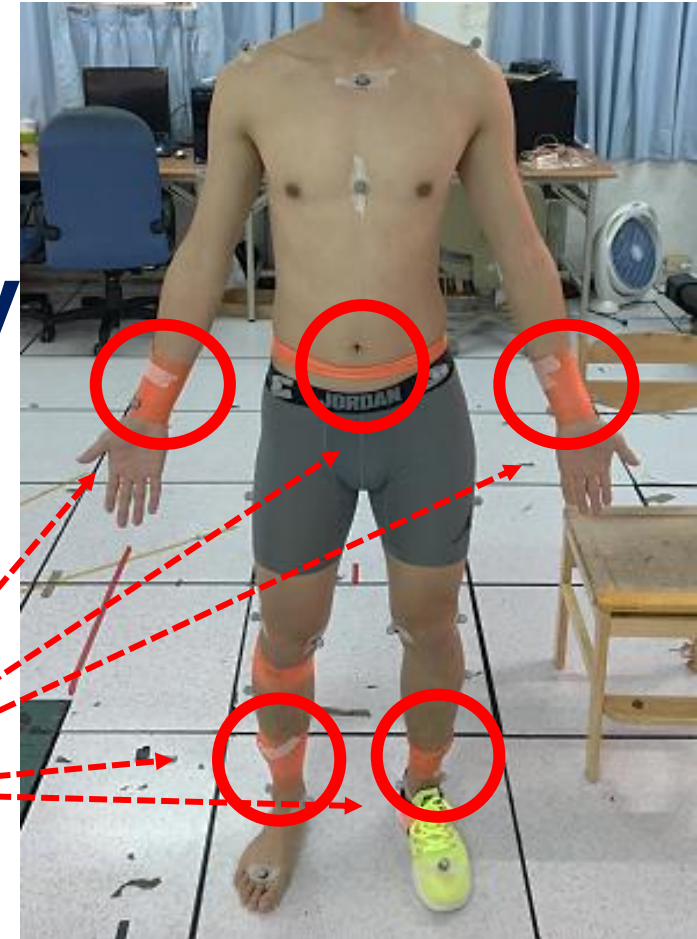


Gait Asymmetry

Fatigue



Sensors

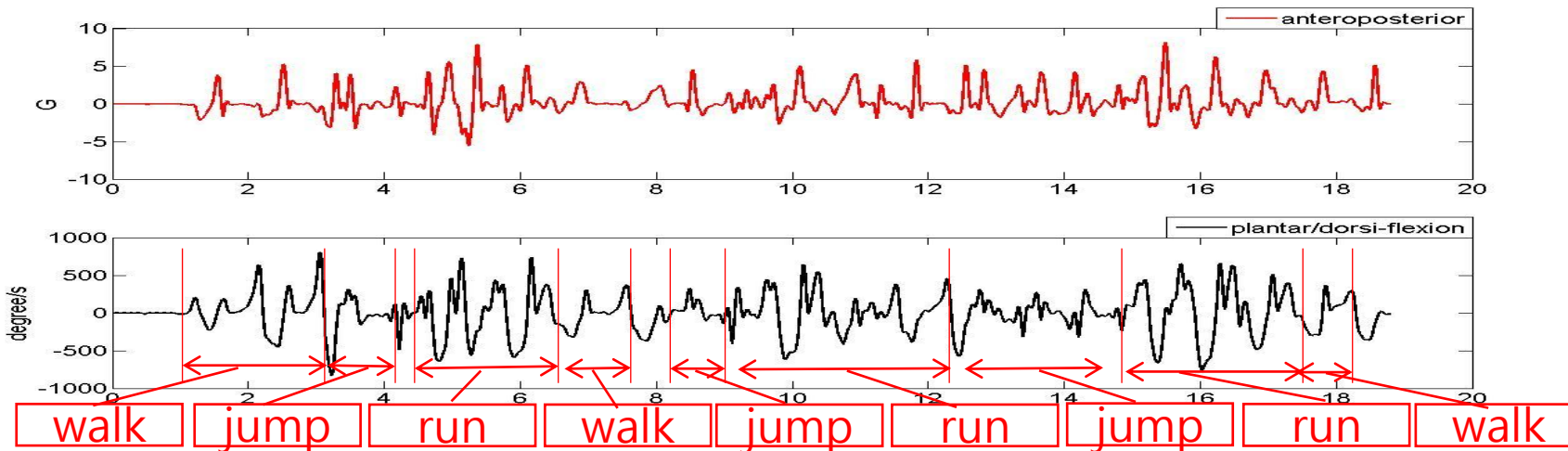


Sports Technique Analysis

Sports monitoring – movement identify

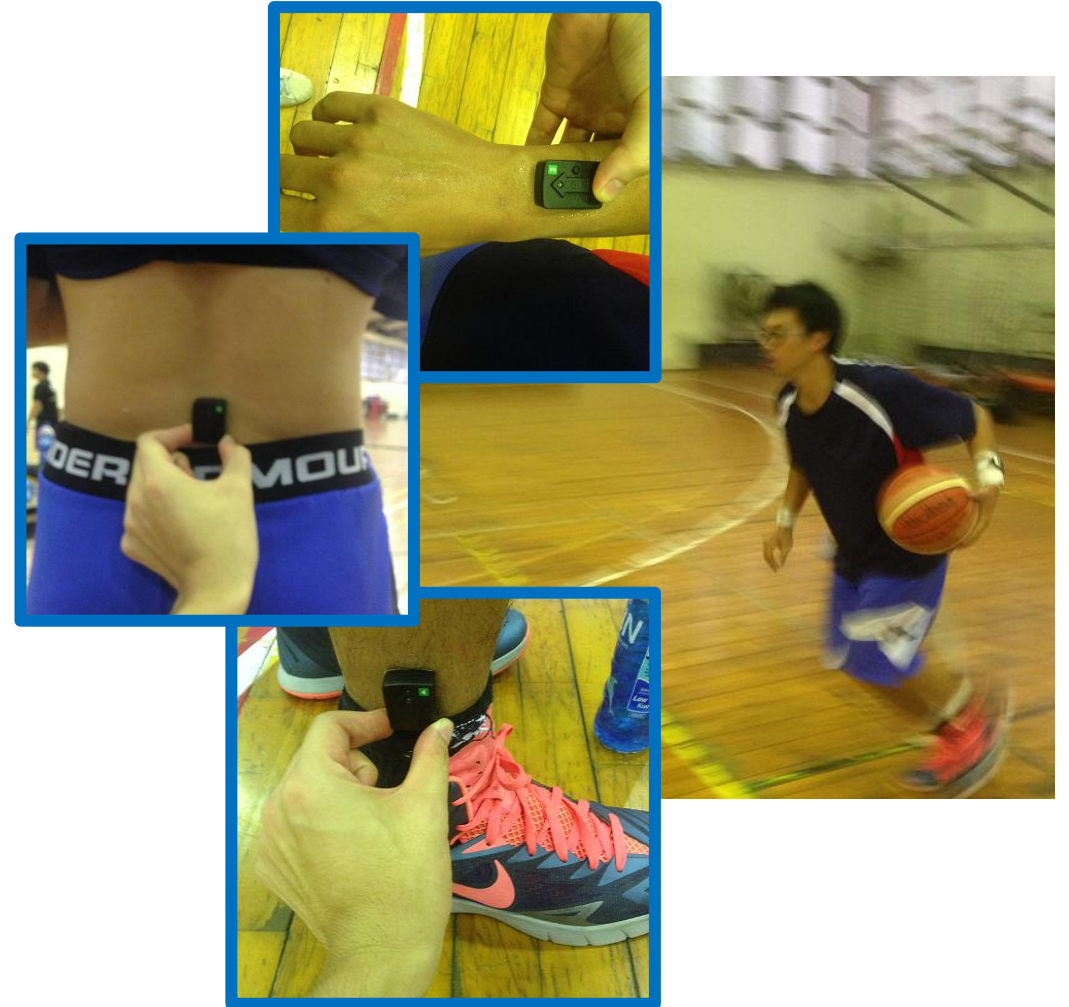
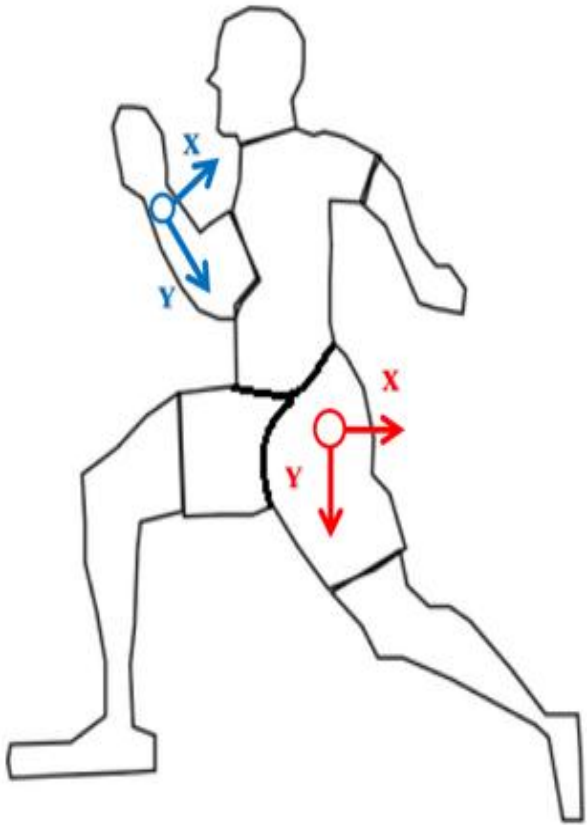


Sensors



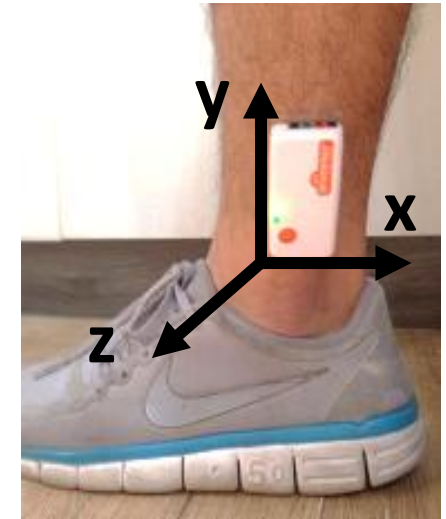
Sports Technique Analysis

Sports monitoring - Intensity



Sports Technique Analysis

Sports science for college team



Match & Practice

Sports Technique Analysis

Sports science for National team



Sports Technique Analysis

Sports science for Grassroots



Sports Equipment Design

Sports Science Research Results



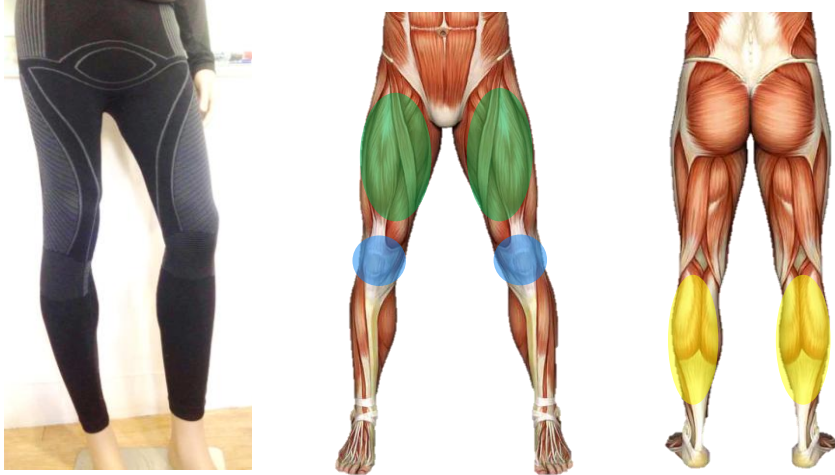
Market-ready
Products



Sports Equipment Design

Functional clothing

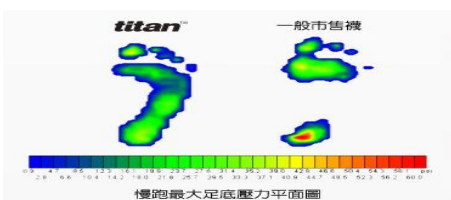
財團法人
紡織產業綜合研究所
Taiwan Textile Research Institute



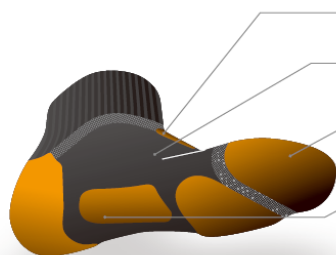
Sports Equipment Design

Socks & Shoes

titan™ 源自專業運動



功能慢跑襪 Technology by Titan sport JOGGING SOCKS



- 保護腳背跖骨突出處
足背骨突出處緩衝層，降低足背與鞋子摩擦產生之不適感。
- 環型足弓支撐
慢跑襪在足中部採用環狀彈性支撐設計。
- 腳趾前緣防護
腳尖處之緩衝層保護腳趾頭，降低慢跑時指甲淤青現象。
- 足底均壓
運動過程對足部而言，是一項必須承受反覆衝擊的運動，均壓可降低運動傷害。
- 避震緩衝、外側防護
減少外側足弓落地時的衝擊力，給與外側足跟更大的保護。
- 舒適性
慢跑襪採用純棉纖維，吸汗速度快，再搭配通風設計，使得慢跑襪排濕性優於一般運動襪，且使用杜邦萊卡纖維，襪品富有極佳的延展性，輕薄透氣，穿著舒適不緊繃，耐用不易受損。另外緩衝層採用合襪纖維，提供更佳之保護。

VICTOR



Sports Equipment Design



Shoes

NIKE- 2008 Beijing Olympic



PONY-2017

Sports Equipment Design



運動科技 (Cycling Tech)



- 相子元 教授
- Philip X. Fuchs 教授



- 陳家祥 教授
- 許維君 教授



- 張雅如 教授
- 劉強 教授

物理治療

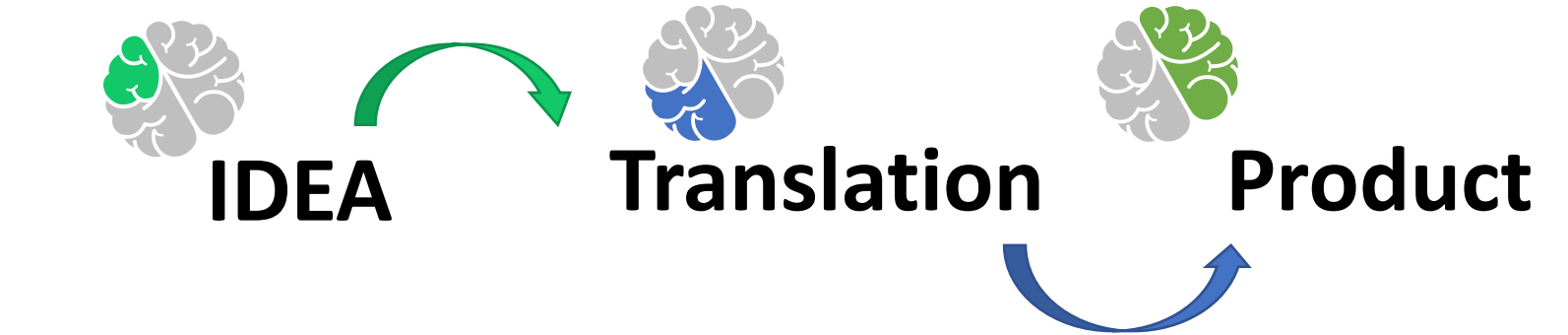
(Cycling Rehab)



運動表現

(Cycling Performance)

Innovative product



NEW IDEA



WisDat Inc.

威士登國際股份有限公司



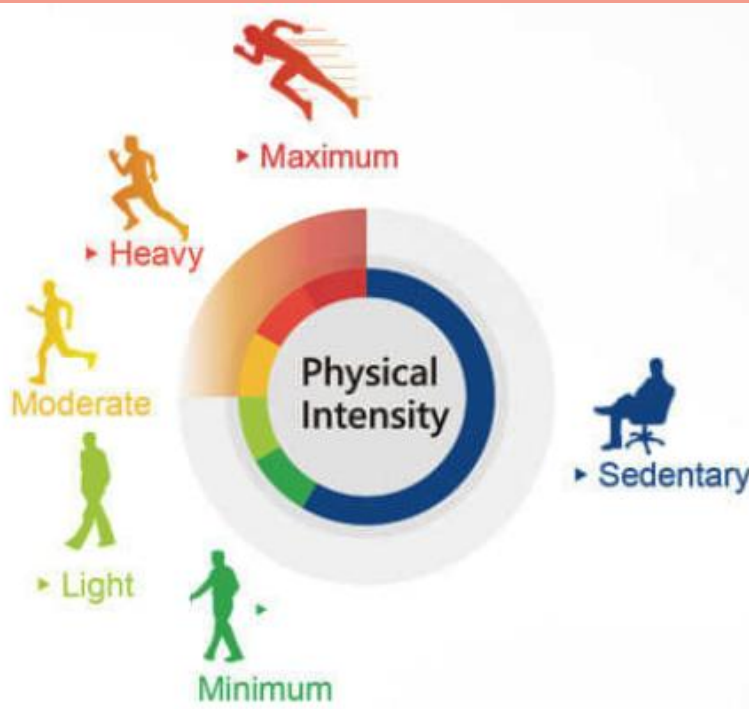
Innovative product



WisDat Inc.
威士登國際股份有限公司



This is on the go App turns you into your own motivational trainer to help you reach any target you desire.



Research To School



Innovative product



Innovative product



Arofly Powermeter



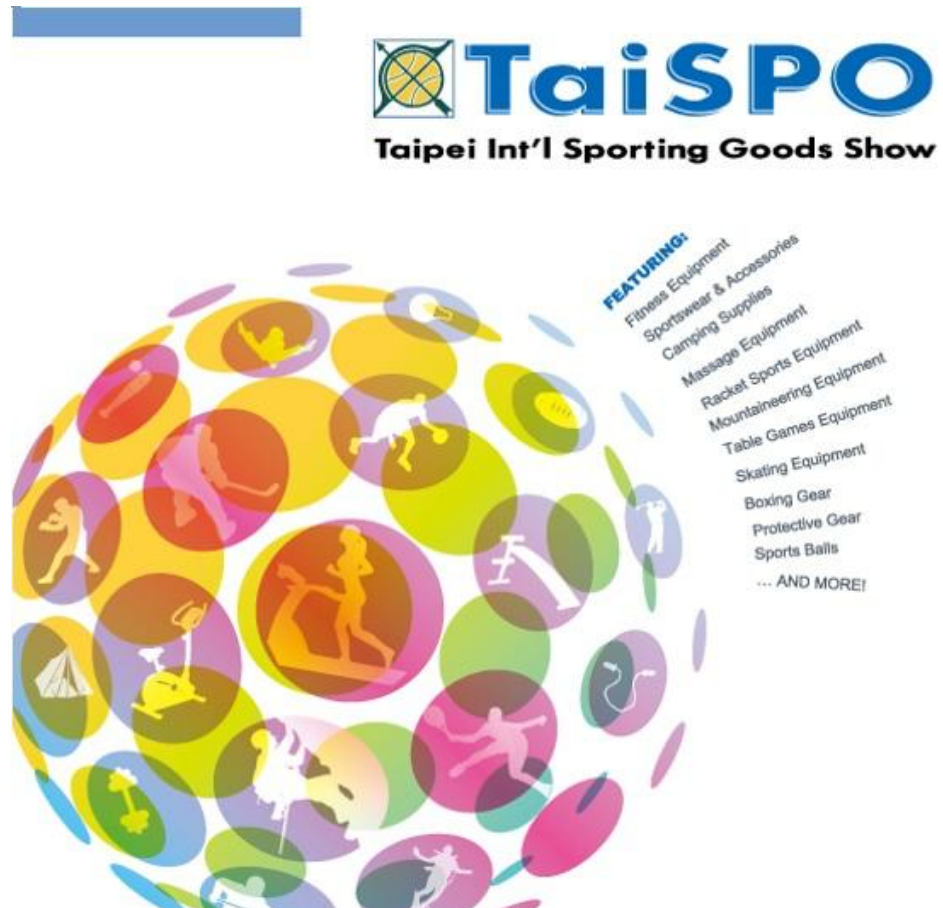
Taiwan Sports Technology Association

since 2007

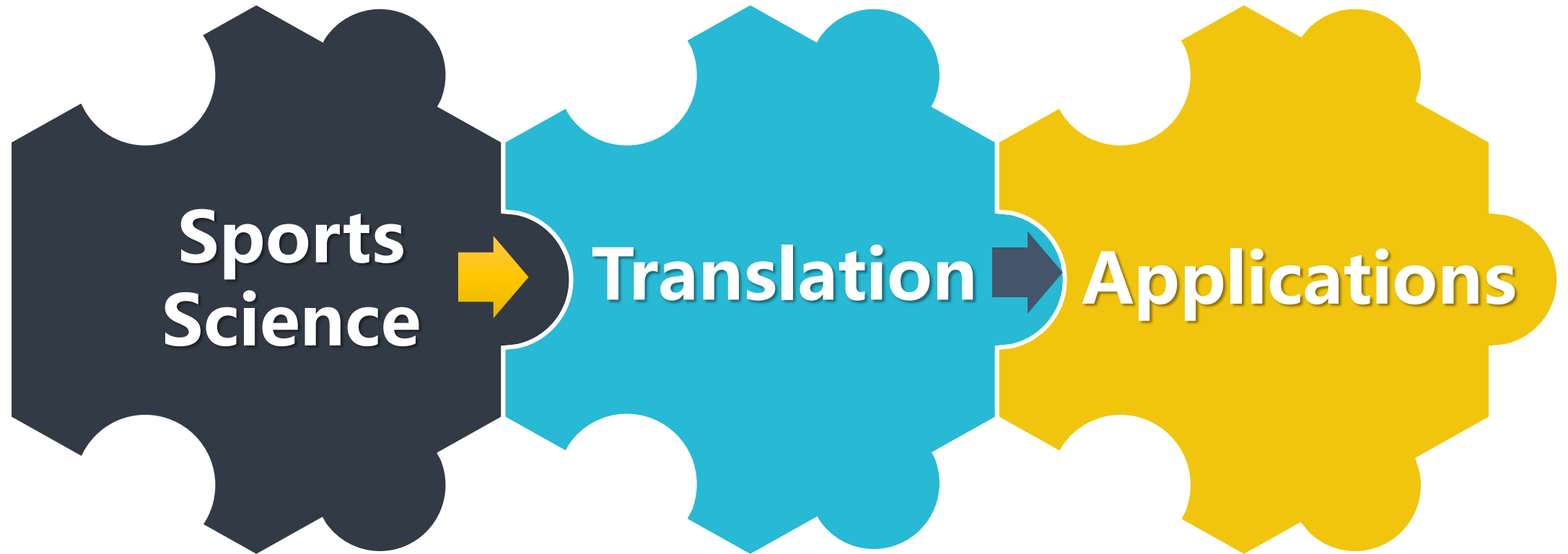


Sharing Experience





Translational Technology





Thanks and Welcome to Taiwan!



國立臺灣
師範大學
NATIONAL TAIWAN
NORMAL UNIVERSITY

Sport Technology Lab