

## I. Information :

	<b>Name (Chinese)</b>	賴文魁
	<b>Name (English)</b>	WEN- KUEI LAI
	<b>Professional Title</b>	Assistant Professor
	<b>Professional Title</b>	Fashion design. Clothing production. Development of functional textiles
	<b>Contact number</b>	(02) 77380145 ext. 3223
	<b>E-mail</b>	Fc018@mail.oit.edu.tw
	<b>Research Room</b>	Clothing construction Laboratory (60406) Teachers' Research Office (60323B)

## II. Education :

School Name	Country	Major	Degree	Year and month
Datong University	ROC	Design Science Institute	Postdoc	2010.9
Oregon University	USA	Department of Industrial	International	2011.3~2011.8
Shih Chien University	ROC	Fashion and Media Design	master's degree	2001.9~2005.6
Shih Chien University	ROC	Department of Fashion	Bachelor	1998.9~2000.6

## III. Experience :

Service agency	Service department	Titles	Year and month
British businessmen Aidi International Ltd.	Product Department	Purchasing Specialist	2002.8~2004.10
Card Clothing Development Co., Ltd.	Department of Design	Master design	2004.11~2007.5
Textile Industry Research Institute	Product Department	Associate researcher	2007.7~2014.7
Hsuan Chuang University	Fashion Design	assistant professor	2014.8~2015.8
Oriental Institute of Technology	Materials and Fibers	assistant professor	2015.9

## IV. Research areas :

1. Fashion design	2. Clothing production	3. Functional clothing	4. Human factors engineering	5. Universal design	6. Smart clothing
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## V. Bibliography :

### A, Journal:

1. Lai Wenkui, 09/10 outdoor color analysis, textile newsletter, issue 20
2. Lai Wenkui, ISPO 2009 Winter Trends, Textile Express, Issue 187
3. Lai Wenkui, Applying Universal Design Guidelines in 2012 to Implement Summer Energy-Saving Workwear Clothing Design Methods, General Design Journal, November 101
4. Lai Wenkui, Research on Auxiliary Cooling System for Heavy Clothing, Journal of Refrigeration, Air Conditioning and Energy Science and Technology, Issue 80

### B. Seminar:

1. Wen-Kuei Lai, Using Universal Design Guidelines Realizing Summer Energy-Saving Office Clothes, The International Association for Universal Design (IAUD) , (2012/10)
2. Wen-Kuei Lai, Explore the physical and mental health of air-circulated temperature regulation clothes, The International Academic Forum (IAFOR) ,(2013/03)
3. Lai Wenkui, using the universal design concept to assist the development of cooling vest products for the cooling system of fire protection clothing, the 9th Cross-Strait Textile Technology Symposium

### C. Professional licenses:

1. Taiwan Subject Protection Association IRB certification
2. Republic of China Women's Technical Certificate

### D. Awards:

1. 2013 Golden Dot Design Selection: Inflatable lightweight thermal pocket design
2. 2013 MIT certified products: Volkswagen leisure bicycle clothing

### E. Patent:

Category		Patent Name	Patent Certificate Number
1	Invention	Sportswear	097115357
2	New type	Physiological sensing fabric	M463109

G、Research Project：

<b>Project name</b>	<b>Position</b>	<b>Year &amp; month</b>	<b>Perform content</b>
Development and marketing plan for bicycle apparel system	Project Host	2007.10 2008.05	Functional bicycle clothing development and product marketing planning
Human body functional bicycle apparel version and manufacturing technology development plan	Project Host	2008.10 2009.02	Development of bicycle clothing products based on human factors engineering
Development of brand functional apparel and information marketing	Project Host	2009.08 2010.02	Functional clothing development and product marketing website architecture planning
Advance research on the development technology of sportswear fabric pumps	Project Host	2010.10 2010.07	Development and production of innovative and forward-looking thermal comfort clothing structure technology
Volkswagen leisure bicycle clothing design and development	Project Host	2012.06 2012.12	Development of bicycle clothing suitable for mass casual wear
Design and development of inflatable lightweight thermal pocket clothing	Project Host	2012.06 2012.12	Development of light-weight, warm, inflatable functional clothing made by hot-melt
Human body functional bicycle apparel version and manufacturing technology development plan	Project Host	2012.05 2012.10	Functional bicycle clothing development and product marketing planning
Off-road cycling clothing design and development plan	Project Host	2013.06 2013.11	Develop bicycle clothing based on functional design of off-road bicycles
Ergonomics Ball Sports Apparel Design	Project Host	2013.06 2013.11	Introduce human factors engineering to develop ball sports clothing
Fashion Performance Jogging Clothing Development Plan	Project Host	2015.04 2015.09	Combining fashion and function to develop jogging sportswear
Sensitive Textile Strategy Alliance	Executive design	2008.05 2009.04	Design and development of human body sensing textile finished product structure
Electric heating smart textile development technology	Executive design	2008.12 2009.11	Development and production of smart textile commercialization
Electric heating smart textile development technology	Executive design	2008.12 2009.11	Commercialized design and development of luminous development textiles
Textile technology with LED	Executive design	2008.12 2009.11	Commercialization of scientific and technological design results

Cooling clothing system in thermal environment	Executive design	2012.08 2013.07	Firefighters wear clothing to carry out product design in a cooling way Development and production
Science and Technology Achievement Design Value-Added Program	Executive design	2012.09 2013.10	Design and development of physiological monitoring clothing for elderly people