# RAE 2020 Lucent Cloth

Jeanne Tan PolyU-UoA 38c

2014-2019

### **Lucent Cloth**

### **Descriptor (300 words)**

Lucent Cloth comprises of 20 illuminative Polymeric Optical Fibre (POF) textiles from 4 design collections developed between 2014 to 2018. The collections are entitled, Dimensional Illumination, Crafting Photonics, Sensory Light and Carrara.

Early research on POF textiles focused on the use of POFs as flexible screens thus prototypes are often possess a flat surface and a stiff handle. The integral characteristics of POFs are fragile and susceptible to breakages when abruptly bent. Existing designs and POFs tend to utilize a plain weave to develop textiles that are flat to prevent fibre breakage that will affect the illumination on the lateral side of the textile. Tan's research demonstrates new methods of illuminative textile making; based on research in materials, weave processes and knit processes. New developments were made in the areas of textile tactility, structure, ease of component connection via weave patterns. The research overcame the fragile and stiff characteristics of POF fibres to develop new textiles that possess pliant 3 dimensional structures, soft and sheer handle with stretch ability that had not been previously explored.

Tan's works were discussed in illustrated features in WGSN (Worth Global Style Network) and Harper's Bazaar. Tan had presented this research through 15 international exhibitions; 2 exhibition books; 1 journal publication; 3 international public lectures; 1 international designer residency; 1 filed patent; 4 international awards for design and research; successful competitive bidding of 1 PhD student for project sustainability.

Over the period of five years, Tan had utilized POFs as a medium to develop a range of novel techniques for weaving and surface treatment. The work had achieved control over handle, illumination stability, interactivity and component integration. The research process involved extensive experiments, sampling, interdisciplinary research with engineers for component and software application designs.

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Lucent Cloth

### **Jeanne Tan**

Jeanne is a textiles and fashion designer. Her practice informs her research and vice versa. Her work investigates the interface of design and technology; integrating traditional craft and engineering as the syntax of the creation's narrative. Jeanne's research focuses on interactive textile design, hybrid design approaches and smart wearables.

#### **Research Questions**

This practice based research sets out to investigate:

- How combinations of materials, weave structures and patterns can lead to innovations in soft three dimensional structures, textured tweed and lightweight, sheer illuminative textiles that expand possibilities in smart wearable applications.
- How textile design and component placements can be integrated to create interactive textiles.
- How weft knit structures can offer extensive flexibility, close to body fit for novel POF textiles without compromising on the fibre structure and illumination.
- How POFs can be knitted to create a flexible textile without causing fiber damage and compromising on the stretch ability.

#### What constitutes the research output/ body of work

The output comprise of 3 Polymeric Optical Fibre (POF) textile collections, a novel illuminated knit (Patent Filed), 2 exhibition books, 2 journal publications. The textile collections are entitled,

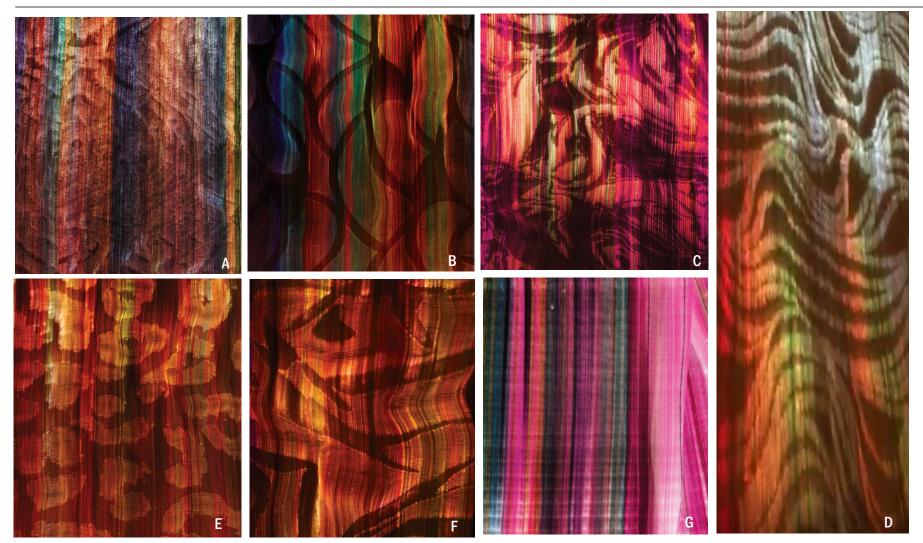
- Dimensional Illumination (2014)
- Crafting Photonics (2015)
- Sensory Light (2017)
- Illuminated Knit (2018)
- 2 Exhibition Books:
- 1. Tan, J. (2015) Crafting Photonics. Hong Kong: The Hong Kong Polytechnic University. ISBN: 978-962-367-793-6.URI: <u>http://hdl.handle.net/10397/63018</u>
- 2. Tan, J. (2014) Dimensional Illumination. Hong Kong: The Hong Kong Polytechnic University. ISBN: 978-962-367-780-6. URI: http://hdl.handle.net/10397/7673
- **2 Journal Publications:**
- 1. Chen, A., <u>Tan, J.</u>, Henry, P. & Tao, X.M. (2019) The design and development of an illuminated polymeric optical fibre (POF) knitted garment, The Journal of The Textile Institute, DOI: <u>https://doi.org/10.1080/00405000.2019.1661937</u>
- Bai,Z.Q., & <u>Tan,J</u>. (2015) "Connexion: Development of interactive soft furnishings with polymeric optical fibre (POF) textiles", International Journal of Clothing Science and Technology, Vol. 27 Issue: 6, pp.870-894. DOI: <u>https://doi.org/10.1108/IJCST-05-2014-0058</u>

Tan's contribution to the research are,: The production of original textile designs using the medium of POFs.

- Advanced weave techniques to create interactive POF textiles with soft three dimensional structures.
- · Novel strategic weave patterns for component coupling.
- Novel knit technique that offer extensive flexibility without compromising the integral structure of the POF and the illumination.
- Expand possibilities for interactive POF textile handle, tactility and structure. Woven materials that offer 3 dimensional soft structures and stretch materials that offer close to body fits for ergonomic design applications.

#### **Dimensional Illumination**

This collection focused on creating textures and three dimensional structural effects via the Jacquard loom. This is challenging due to the fragile and brittle nature of the POFs, the fibres tend to break when subjected to abrupt angles and pressure. Weave patterns, cloth structures and materials were adapted to accommodate the fundamental characteristics of the POFs. Innovations were made with developments in double cloth and weft backed weave on the Jacquard loom. The collection of textiles were integrated with Bluetooth technology and can be remotely controlled by a specifically designed application downloaded onto a typical smartphone. Exhibition Book: http://hdl.handle.net/10397/76734



Dimensional Illumination Collection Material: POF, cotton and polyester yarns. Technique: Jacquard weave, laser engraving and LED color mixing. Technology: Integrated Bluetooth technology with smartphone remote control. Size: 167cm by 100cm (For each textile) A. Halo B. Calyx C. Mystic D. Luminescent Waves E. Bloom F. Scion G. Bamboo



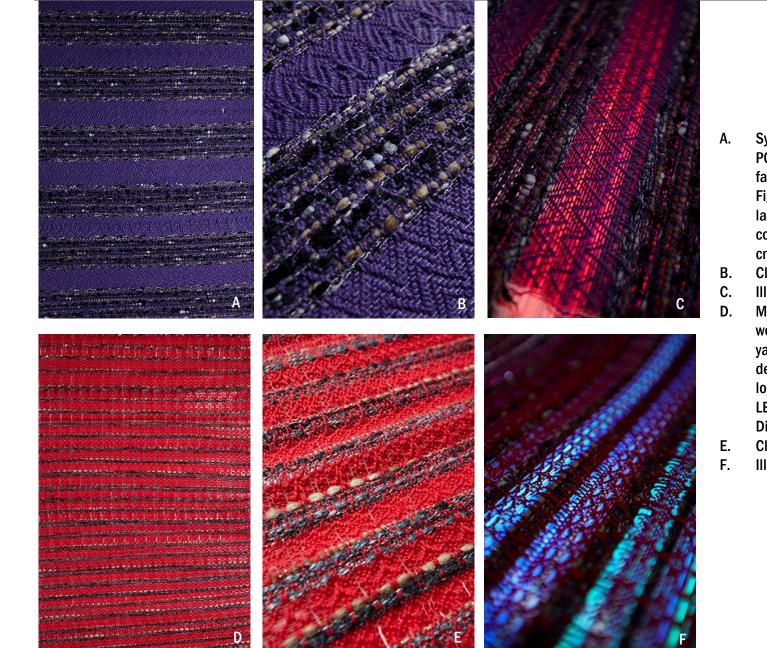
Video: https://vimeo.com/340800784

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#### Crafting Photonics

This collection of 6 textiles explores technology from a craft perspective. The research is distinct from existing research in its exploration of rustic textures and the use of thicker POFs. The utilization of the Dobby loom enables the flexible use of yarns of different qualities to create textures and weave patterns that had not been explored before within the context of POF textiles. Exhibition Book: http://htl.hondle.net/10397/63018

#### The Research Output



- . Sylvan. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Figured Twill on Dobby loom, laser engraving and LED color mixing. Dimension: 98 cm x 50cm.
- 3. Close up view of Sylvan.
- . Illuminated view of Sylvan
- Mote. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Twill derivative weave on Dobby loom, laser engraving and LED color mixing. Dimension: 88 cm x 50cm.
- E. Close up view of Mote.
- F. Illuminated view of Mote.

#### The Research Output



- A. Cusp. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Figured Twill on Dobby loom, laser engraving and LED color mixing. Dimension: 98 cm x 50cm.
- B. Close up view of Cusp.
- C. Illuminated view of Cusp.
- Plica. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Diamond Twill weave on Dobby loom, laser engraving and LED color mixing. Dimension: 96 cm x 50cm.
- E. Close up view of Plica.
- F. Illuminated view of Plica.

#### **The Research Output**



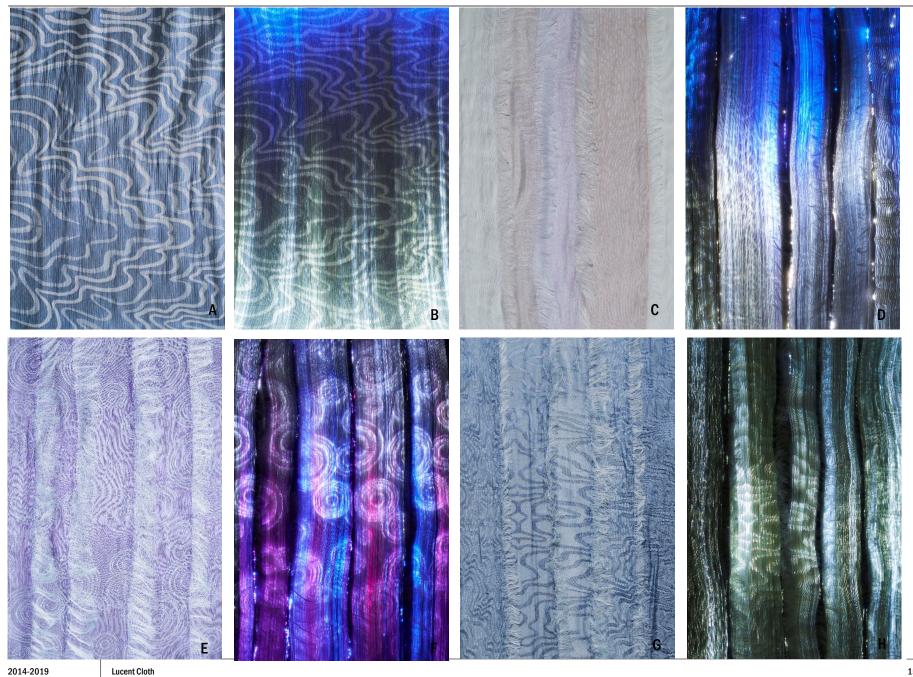
- A. Nexus. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Honeycomb weave on Dobby loom, laser engraving and LED color mixing. Dimension: 107 cm x 50cm.
- B. Close up view of Nexus.
- C. Illuminated view of Nexus.
- D. Iota. Material: Coarse POF, wool and synthetic fancy yarns. Technique: Entwining figured twill weave on Dobby loom, laser engraving and LED color mixing. Dimension: 76 cm x 50cm.
- E. Close up view of lota.
- F. Illuminated view of lota.

Lucent Cloth

#### ensory Light

his collection of 6 textiles (Current, Drift, Dulcet, Flux, Torrent, Twist)) westigates POF textiles that are sheer and light distinct from existing extiles that are heavy and opaque. This research made innovations in: Obtaining optimum light illumination via gradation laser engraving. Ultrasonic welding for seams to reduce fibre damage caused by sewing needle penetration.

Developed weave floats at either end of the material to enable efficient bundling of POFs for component coupling.



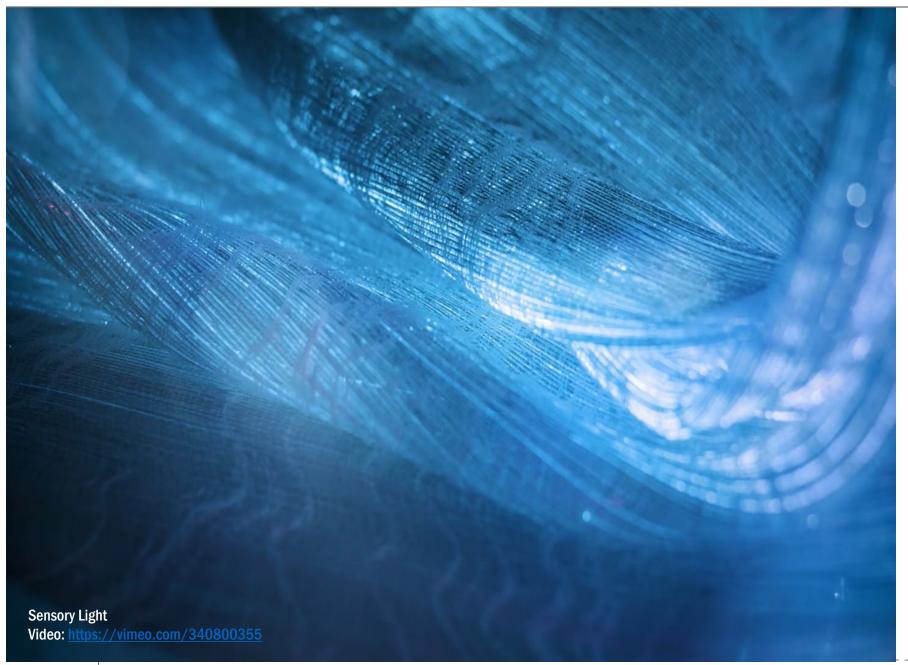
2014-2019



- A. Current. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp) . Size: 100cm x 180cm Technique: 12h Satin on Jacquard loom and gradient laser engraving.
- B. Illuminated view of Current.
- C. Drift. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp). Size: 100cm x 180cm Technique: 5h, 8h and 12h Satin on Jacquard loom and gradient laser engraving.
- D. Illuminated view of Drift.
- E. Dulcet. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp) . Size: 100cm x 180cm Technique: 12h Satin on Jacquard loom and gradient laser engraving.
- F. Illuminated view of Dulcet.
- G. Flux. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp) . Size: 100cm x 180cm Technique: 1/3 Twill, Diamond weave and 12h Satin on Jacquard loom and gradient laser engraving.
- H. Illuminated view of Flux.
- I. Torrent. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp) . Size: 100cm x 180cm Technique: 12h Satin on Jacquard loom and gradient laser engraving.
- J. Illuminated view of Torrent.
- K. Twist. Material: 0.25 POF fibers and 150D Polyester (Weft)and 100D Polyester (Warp) . Size: 100cm x 180cm Technique: 12h warp Satin and 12h filling satin on Jacquard loom and gradient laser engraving.
- L. Illuminated view of Twist.

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Illuminated Knit

stitches

can

more form fitting garments.

This research comprise of,

EM/U20016CN00
• Carrara (Interactive Dress)

1200-CN

accordingly to maintain the length of the POFs for light source coupling. It reduces excess bulk and allows for

 Illuminated Shaped Knit Fabric Sweater (Filed Patent) Y/R: PAT-

This research explores POF textiles that offer stretch and flexibility to facilitate applications for body forming fit and ergonomic designs. In contrast to Shindo's (2015) inlay method, this research's method incorporates POFs via a weft knit structure that secures the position and yet allow lateral extension. This method allows a flexible integration on the number of POFs according to the design of the garment, waste

be transferred

0/R:



### **Research Field and Key Works Referenced**

Illuminative textiles made from optical fibres had been explored within the contexts of woven, knotted and knitted textiles. An early example was developed by France Telecom's (2001) optical fibre jacket which can display simple text and images in large grid format. The optical fibre screen is rigid and simply applied onto the front of a jacket to serve as a flexible display. The Perception Rug (Deckers, 2009) is a touch sensitive carpet with knotted conductive yarns and optical fibers. Woven POF textiles had been utilised to create large scale lighting by the French company Brochier Technologies (Brochier Technologies, 2018), bed coverings by Luminex (Luminex, 2012) and fashion by Zac Posen for Claire Danes at the Met Gala in 2016. With the exception Brochier Technologies which offer POF textiles with woven patterns, the examples by Luminex and Zac Posen had been restricted to plain woven POF textiles. In the area of knitted POFs, Shindo (2015) of Japan had developed a knitted POF material using the inlay method that integrates the POF horizontally using textile based yarns to form loops to stretch while the POFs are in place.

The cited examples had focused on the illuminative qualities of POF textiles and had focused on dense flat woven and knitted textiles with even illumination. Polymeric optical fibers have often been integrated into the fabric in straight lines, as tight bends can cause fiber breakages. This makes POF better suited to integration into woven fabrics as opposed to knitted fabric, as it can be used in place of either the warp or weft threads. Within knitted POF fabric, a similar technique is employed, referred to as Inlay, in which the POF is interlaced between the loops of the knitted fabric. However, the use of inlay can have a detrimental effect on the extensibility of the knitted fabric, as well as affecting the drape of the fabric. The POF is also not securely held by the fabric structure.

Via investigations into the use of materials, weaving and knitting techniques, this body of research had developed original methods to challenge the preconception of flat POF textiles to develop novel textiles that possess 3 dimensional structure, extensive stretch, sheer and textured tactility. Extensive weave explorations were made via Jacquard and Dobby looms, combinations of elastic materials and weft knitting technique.

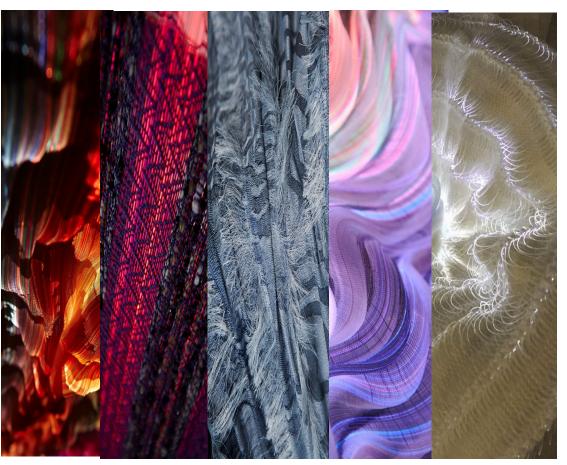
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3)	Harold P (2006) Creating a magic light lighting experience with textiles. Password Philips Research Technology Magazine 28:7-11.
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5)	Kuzyk MG (2006) Polymer Fibre Optics: Materials, Physics, and Applications. Boca Raton: Taylor & Francis Ltd.
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7)	Koncar V (2005) Optical fibre fabric displays. Optical Photonic News 16:40-44.
8)	Harlin A, Mailis M, Vuorivirta A (2003) Development of polymeric optical fibre fabrics as illlumination elements and textile displays. AUTEX Research Journal 3:1-8.
9)	Masuda, A., Murakami, T., Honda, K. and Yamaguchi, S. 2006. "Optical Properties of Woven Fabrics by Plastic Optical Fiber", <i>Journal of Textile Engineering</i> , 52:93-97.
10)	Graham-Rowe D. 2007. Photonic fabrics take shape. Nature Photonics 1: 6-7.
11)	Khana <u>T</u> T, Unternahrer M, Buchholza J, Kaser-Hotz B, Selm B, Rothmaier M, Walt H (2006) Performance of a contact textile-based light diffuser for photodynamic therapy. Photodiagnosis and Photodynamic Therapy 3: 51-60.
12)	Rothmaier M, Selm B, Spichtig S, Haensse D, Wolf M (2008b). Photonic textiles for pulse oximetry. Optics Express 16:12973-12986.
13)	Stylios, G. K. & Yang, D. (2013) The Concept of Mood Changing Garments Made From Luminescent Woven Fabrics and Flexible Photovoltaics "MoodWear". In : Advances in Science and Technology. 80, 22, p. 22-29 8 p., 80.

#### **Research Methods and Materials**

The research and design development involved,

- Jacquard weave design and structures to create soft three dimensional effects.
- Double cloth structures for textures and technology integration.
- Dobby weave designs with novelty yarns and thick POFs.
- Knit design to develop POF textiles with stretch and flexibility.



Range of textiles developed within this body of work.

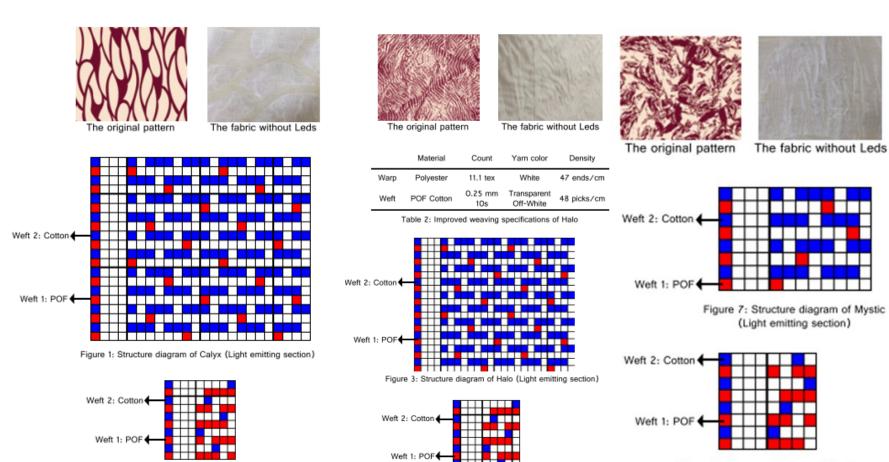


Figure 4: Structure diagram of Halo (Non-light emitting section)

Figure 8: Structure diagram of Mystic (Non-light emitting section)

### Weave pattern development for Dimensional Illumination.

Figure 2: Structure diagram of Calyx (Non-light emitting section)





The fabric without Leds

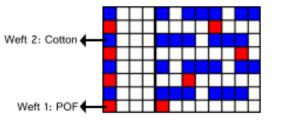


Figure 5: Structure diagram of Scion (Light emitting section)

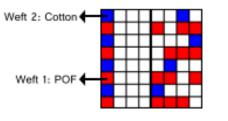
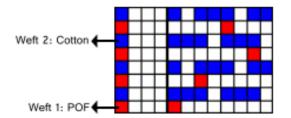


Figure 6: Structure diagram of Scion (Non-light emitting section)



The original pattern

Figure 9: Structure diagram of Bloom (Light emitting section)

The fabric without Leds

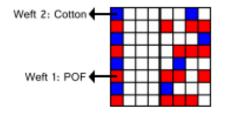
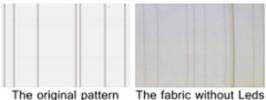


Figure 10: Structure diagram of Bloom (Non-light emitting section)



Weft 1: POF

Figure 11: Structure diagram of Bamboo (Light emitting section)



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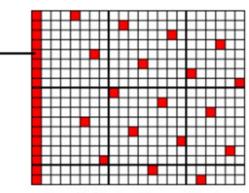


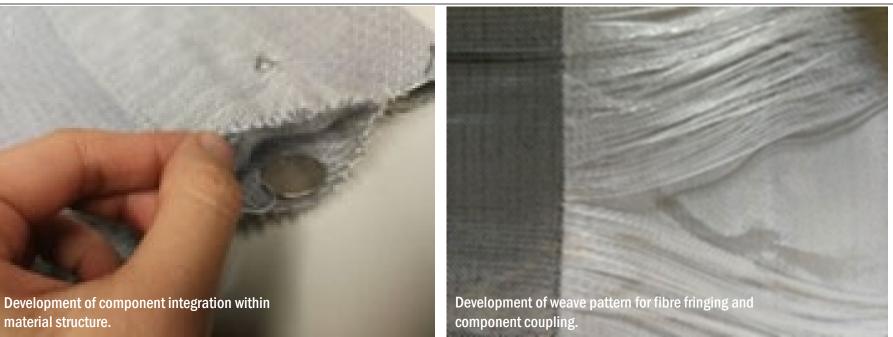
Figure 12: Structure diagram of Bamboo (Non-light emitting section)

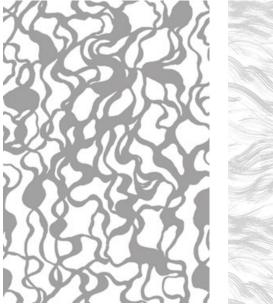
### Weave pattern development for Dimensional Illumination.



Weave pattern development for Crafting Photonics.

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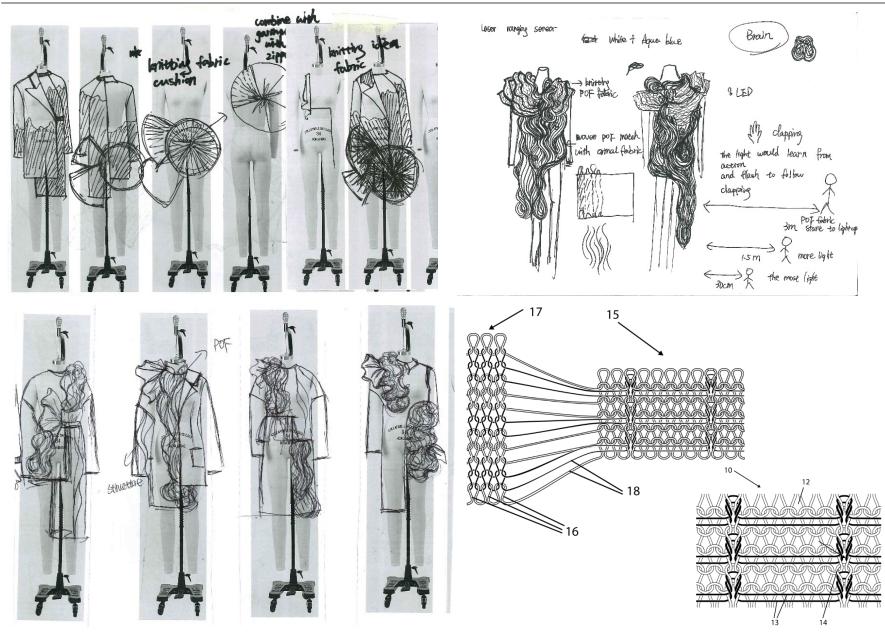






Design sketches for textile design.

2014-2019



Design sketches and fabric structure development.

#### **Research Conclusion**

- Expand possibilities for POF textiles via weave, structure and knit design and development.
- Developed novel POF textiles with 3 dimensional structures, craft aesthetic, sheer and lightweight characteristics and stretch ability.
- Developed novel laser engraving gradient technique to enable even illumination on sheer POF textiles.
- Developed novel method of weaving floats on outer edges of the POF textiles to remove laborious manual fringing for component coupling.

(2 exhibition books; 2 journal publication; 1 filed patent; 12 exhibitions; 3 public lectures; 1 international designer residency)

Year	Exhibition Books
2015	Tan, J. (2015) Crafting Photonics. Hong Kong: The Hong Kong Polytechnic University. ISBN: 978-962-367-793- 6.URI: <u>http://hdl.handle.net/10397/63018</u>
2014	Tan, J. (2014) Dimensional Illumination. Hong Kong: The Hong Kong Polytechnic University. ISBN: 978-962-367- 780-6. URI: <u>http://hdl.handle.net/10397/76734</u>

Year	Journal Paper
2019	Chen,A., Tan,J., Henry, P. & Tao, X.M. (2019) The design and development of an illuminated polymeric optical fibre (POF) knitted garment, The Journal of The Textile Institute, DOI: <u>10.1080/00405000.2019.1661937</u>

Year	Journal Paper
2015	Bai,Z.Q., & Tan,J. (2015) "Connexion: Development of interactive soft furnishings with polymeric optical fibre (POF) textiles", International Journal of Clothing Science and Technology, Vol. 27 Issue: 6, pp.870-894. DOI: <u>https://doi.org/10.1108/IJCST-05-2014-0058</u>

Year	Patent
2019	China Utility Model Patent Application No. 201920218259.1 Title: Illuminated knit fabric and illuminated apparatus Applicant: The Hong Kong Polytechnic University Inventors: 1.Jeanne Tan; 2.Amy Chen Filed on: 21 February 2019

Year	International and Local Juried Exhibitions
2019	Tan, J.(2019) Carrara at Designing Future Techstyle 2019 Exhibition. The Mills, Hong Kong. 28 June- 26 August 2019.
2018	Tan, J.(2018) Carrara at The Korea Fashion and Culture Association 2018 International Fashion Art Biennale at KIA Beat360, Seoul, South Korea. 19 – 26 October 2018.
2018	Tan, J., Lan, G. (2018) Twist at ANBD Munich Special Exhibition. Museum Fünf Kontinente, Munich, Germany from March 3 to 13, 2018. Organised by Asian Network Beyond Design Association, Korea.
	Tan, J., Lan, G. (2018) Twist at the Junichi Arai's Textile Anthology Exhibition held at the Innovation Gallery, Jockey Club Innovation Tower, The Hong Polytechnic University, HKSAR. December 2017 to January 2018.
2018	Tan, J., Lan, G. (2017) Current at "FIBER ART VIII" International Biennial Fiber Arts Exhibition in collaboration with Surface Design Association. Sebastapol Center for the Arts, California, USA. 28 July-3 September 2017.
2017	Tan, J., Lan, G. (2017) Torrent at Future Tech Work Exhibition, FABI 17th International Exhibition at Hong-Mun Hall, Hongik University, Seoul, South Korea. Organised by the Korean Society of Fashion Business. 21 October 2017. http://www.fashionfabi.co.kr/
2017	Tan, J., Zhao, C.C. (2014) Scion at TEXTILE ART OF TODAY 2015 Triennial of Textile. Historical Museum Bratislava (Bratislava Castle), Slovakia, Tatra Gallery Poprad, Slovakia, Museum Historyczne, Bielsko-Biala, the Republic of Poland, Rómer Flóris Művészeti és Történeti Museum, Győr, Hungary and Moravian Museum, Uherské Hradiště, Czech Republic. September 2015-January 2017.
	Tan, J., Zhao, C.C. (2014) Luminescent Waves at the 8th Lausanne to Beijing Fiberart Biennale. 1895 Creative Cultural Park, Nantong, China. 30 September-16 October 2014.
2014	

2014

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Year	International Solo Exhibition
2016	Tan, J. (2016) Crafting Photonics. Exhibition Hall, Burapha University, Chonburi, Thailand. 17-19 March 2016.
	Tan, J. (2016) Crafting Photonics. Fashion Gallery, Nanyang Academy of Fine Arts, Singapore. 31 March-22 April 2016.
2016	



Year	Peer Reviewed Solo Exhibition
2016	Tan, J. (2015) Crafting Photonics. The Hong Kong Museum of Medical Sciences, 1-10 December 2015. Reviewed by Professor Clemens Thornquist (Professor in Fashion Design, the Swedish School of Textiles, University of Boras, Sweden)
2014	Tan, J. (2014) Dimensional Illumination. The Hong Kong Museum of Medical Sciences, 2-9 December 2014. Reviewed by Anne Smith (Dean of Academic Programs, Central Saint Martins)

Year	Invited Public Talks and International Designer Residency
2018	Tan, J. (2018) "Interactive Textile Design" 6th Rangsit University International Design Symposium. Rangsit University, Bangkok, Thailand. 4 May 2018.
2017	Tan, J. (2017) "Challenges of Materiality" Royal College of Art, London, UK. 25 October 2017.
2017	Tan, J. (2017) "Crafting with Technology" at Design and Art. Meaning & Form International Conference by Asia Society of Basic Design and Art. Asia Culture Center, Gwangju, Korea. 17 August 2017.
2016	Tan, J. (2016) Designer Residency at Nanyang Academy of Fine Arts, Singapore. 31 March-22 April 2016.

#### Others

<i>l</i> ear	Media (International and Local Media)
2016	<ul> <li>Media coverage of 'Scion' (Dimensional Illumination) at the Textile Art of Today Trienale in Slovakia, Poland, Hungary and Czech Republic on <a href="https://www.facebook.com/textileartoftoday/?fref=ts">https://www.facebook.com/textileartoftoday/?fref=ts</a></li> </ul>
2015	<ul> <li>Media coverage of Dimensional Illumination on WGSN <a href="http://drjeannetanresearch.com/wp/wp-content/uploads/2015/01/Screen-Shot-2015-01-12-at-3.00.11-PM.png">http://drjeannetanresearch.com/wp/wp-content/uploads/2015/01/Screen-Shot-2015-01-12-at-3.00.11-PM.png</a></li> </ul>
2015	<ul> <li>Media coverage of Dimensional Illumination on Harper's Bazaar HK. <u>http://www.harpersbazaar.com.hk/fashion/editors-picks/leds-fabric</u></li> </ul>

Media coverage of Luasanne to Beijing Biennale (Luminescent Waves)

2014





国内. 展会. 要闻 光子面料展将于香港展出 11.26.14

关于光子面料及影像装置研究的展览"Dimensional Illumination'将于12月2日至10日 在香港医药科学博览馆展出,展览中亦将会展出探讨关于该面料在鞋品设计中的应 用。该展由Jeanne Tan、香港理工大学、纺织与制衣学系以及micro合办。

此次展览将展出6大类光子面料的创新及应用: Calyx, Halo, Scion, Mystic、Bamboo 以及 Bloom,其中Bloom多用于提花文理编织, Bamboo 多用于多群设布机的手工 编织。与此同时,曾于2014年9月获得"From Lausanne to Beijing"国际纺织面料双年 会优秀奖的纺织设计作品"Luminescent Waves"届时将会展出。

该光子面料系列作品主要集中于2D设计以及表面装饰设计。为了给参观者带来丰富 的触觉体验,专家们亦尝试通过提花织法以及多臂织布机手工织法在聚合物光纤上 进行原始的纹理及3D效果设计。

同时,这一系列展品的设计过程更为有机环保,将光子面料于自然环境的有机结合 是设计者的出发点之一。展品纹理设计灵感多来源于地势地绕结构以及植物的自然 纹路等。 🕒 Print 🛛 🛇 Add to Favourites



Next >



#### Others

Year	Award
2016	• Excellent Award for Textile. Slyvan at the 6th International FABI Exhibition organized by The Korean Society of Fashion Business in Soongsil University, Seoul Korea . October 2016.
2016	• Excellent Award. Scion at TEXTILE ART OF TODAY 2015 Triennial of Textile at Slovak National Museum 18 September – 13 December 2015.
2015	• Excellent Award. New-Utopia, "Zhang Qian Bei" Home Textile Contest organized by China Council for the Promotion of International Trade (CCPIT TEX), Messe Frankfurt (HK) Ltd, Nantong Government. China. July 2015.
2014	• Outstanding Award. Luminescent Waves at the 8th Lausanne to Beijing Fiberart Biennale. 30 September 2014.

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Textile Art () of Today	<b>B</b>		"张謇杯"•2015中国国际家用纺织产品设计大赛获奖名单 文集集: 强害件4回副等用线织产品设计大赛进会 2015.09.08				
	Excellent Award 2015	Textile Category	经评选,获"从洛桑到北京"第八届国际纤维艺术	出异议,现公布获奖名单如下:			
Organization The Hong Kong Polytechnic University		双年展 1九 秃 柴,特颜此证。	优秀	±.≊.	张振亚	江苏美罗家用纺织品有限公司	
Name Dr Jeanne Tan				荷塘月色	起京	繁罗兰家纺科技股份有限公司	
		Dear Mr. / Ms. TAN Jeanne		叶道	朱文峰	江苏蓝丝羽家用纺织品有限公司	
The above person is awarded for submitting an				树的赞取	豐华	江苏卓参国关艺术家展营纳股份有限公司	
excellent work to the 16th International FABI hosted by		Your fiber art work "Luminescent up ves"		保雅清姿		江苏大唐纺织科技有限公司	
the Korean Society of Fashion Business		has won the outstanding outer honorable mention of 8th		众彩星驰		案州亚光家纺有限公司	
		"From Lausanne To Beijing" International Fiber Art		國 · 彩 竹段	金3939 北秋	浙江诸丽雅股份有限公司 平日集团股份有限公司	
JEANNE TAN, HONG KONG	October 29, 2016	Biennale, as hereby awarded.		11m 梦中的城堡	唐雅	学日東山股份有限公司 江苏康乃馨织造集团一一上海雪谷 尔家纺有限公司	
				欢欢喜喜	赵艳	学日集团股份有限公司	
6 August-	President of the Korean Society of Fashion Balancer Shin, Sangmoo			青花		演州亚光家坊有限公司	
		中国国家画院公共艺术院		荷・和	汤怀东	南通大东有限公司	
		Public Air Institute		褶布枕巾		保定器强纺织股份有限公司	
		Christ Mational Academy of Printing 2014/9/9/H30H		星月夜		保定图强结织股份有限公司	
		30° Schemer: 2014		新乌托邦	Jourse Turi.	香港理工大学	

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