

May 24th Room A Section 1 Fibre and Polymer Materials

13:30~13:50	Apocynum venetum ファイバーの抗菌な特性の研究 Study on Antibacterial Property of Apocynum Venetum Fibers HAN Guangting, ZHENG Lisha, SU Dongmei and ZHANG Yuanming Qingdao University, Qingdao 266071, China
13:50~14:10	Araneus ventricosus からのクモの巣糸の表面微小構造とナノフィブリル Surface Microstructure and Nanofibril of Spider Dragline Silk from Araneus Ventricosus PAN Zhijuan ¹ , MIURA Mikihiko ² , MORIKAWA Hideaki ² , IWASA Masayuki ² and LIU Min ¹ 1.Suzhou University, Suzhou 215021, China, 2.Faculty of Textile Science and Technology, Shinshu University, Ueda, 386-0018, Japan
14:10~14:30	工業用セルロースの新資源 New Sources of Cellulose for Industrial Use A .O.EL breki, E.E.Belasher, B.m.Saadi and H.J. EL Breki Industrial Research Center, textile and Leather research department, Tripoli, Libya
14:30~14:50	大豆たんぱく繊維の ultra 構造の分析 Analysis on the Altrastucture of the Soybean Protein Fiber JIANG Yan, WANG Yehong, WANG Fumei and WANG Shangyuan College of Textiles, Donghua University, Shanghai 200051, China
14:50~15:10	パルプから作り出されたクラフト Lyocell パルプと Lyocell ファイバー Kraft Lyocell Pulp and the Lyocell Fiber Produced from the Pulp LUO Mengkui and Neogi Amar Weyerhaeuser company, Federal Way, WA, 98063-9777 USA
15:10~15:30	銅(II)の絹フィブロイン複合ファイバー 空気を浄化する材料として Copper(II)-Silk Fibroin Complex Fiber as Air-Purifying Material LU Sufang, CHEN Wenxing College of Materials and textiles, Zhejiang Institute of Science and Technology, Hangzhou 310033, China
15:30~15:50	Coffee break
15:50~16:10	高分解 1H NMR 分光法による脂肪族/芳香族コポリエステルの配列構造決定と計算 Determination and calculation on sequence structures of aliphatic/aromatic copolyesters by high-resolution 1H NMR spectroscopy ZHAO Qingzhang China Textile Academy, Beijing 100025, China
16:10~16:30	抗菌繊維の研究 Study on Antibacterial Fiber JIANG Jianming, LI Guang, YANG Shenglin State Key Laboratory of Modification for Chemical Fiber and Polymer Materials, Donghua University, Shanghai 20051, China
16:30~16:50	ポリエチレンテレフタレート/ポリエチレンナフタレートの曲げ疲労 Flex Fatigue of PET/PEN Fibers Jiří Militký, A. P. Aneja Presenter: Dr. Hanus Dept. of Textile Materials, Textile Faculty, Technical University of Liberec 46117 Liberec, Czech Republic
16:50~17:10	麻の精練と漂白におけるアルカリ-H ₂ O ₂ 一段熱浴プロセスの研究 Study on Alkali-H₂O₂ One Bath Process of Degumming and Bleaching of Hemp Qu Lijun ¹ , Wang Xiaoyan ² , You Ruihua ³ , Wang Shanyuan ¹ 1 College of Textiles, Donghua University, Shanghai 200051, China 2 College of Mechanical and Electronical Engineering, Qingdao University, Qingdao, 266071, China 3 Shandong Entry-Exit Inspection and Quarantine Bureau of China, Qingdao 266071, China
17:10~17:30	織物の管状補綴物の水透過性と細孔分布に関する研究 A Study on Water Permeability and Pore Distribution of Textile Vascular Prostheses Jia Lixia, Wang Lu, Ling Kai College of Textiles, Donghua University, Shanghai, 200051, China

May 24th Room B Section 2 Textile Processing and Properties

13:30~13:50	Nu-Torque™ シングルリング糸とその生産技術 Nu-Torque™ Singles Ring Yarn and Its Production Technology B.G. Xu, X.M. Tao, S.K. Wong, K.K. Wong, C.L. Leung, T. Hua, K. Yang and C.M. Murrells Institute of Textiles & Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China
13:50~14:10	自然なカラフルな綿のエコタイプノリつけ技術 The Ecotypic Sizing Technics Studying of the Natural Colorful Cotton

	<p>GAO Jing¹, Wu Zongwen^{1,2} and LIN Yuanjie³ 1. College of Textiles, Donghua University, Shanghai 200051, China 2. College of Chemistry and Chemical Engineering, Donghua University, Shanghai 200051, China 3. C&D International Chemical, Shanghai 200030, China</p>
14:10~14:30	<p>リングとロータ精紡における綿と混紡した Eri 絹 Eri Silk as Blended Material with Cotton on Ring and Rotor Spinning Chollakup R.^{1,2}, Lopez L.³, Sinoimeri A.¹ and Dréan J-Y.¹, 1. LPMT CNRS FRE 2636, Ecole Nationale Supérieure des Industries Textiles de Mulhouse, Université de Haute-Alsace, 68093 Mulhouse Cedex, France 2. KAPI, Kasetsart University, Bangkok 10900, Thailand 3. EUETIT, Universitat Politècnica de Catalunya, Terrasa, Spain</p>
14:30~14:50	<p>織物のせん断剛性の予測 Prediction of the Shearing Rigidity of Woven Fabric XU Guangbiao, WANG Fumei College of Textiles, Donghua University, Shanghai 200051, China</p>
14:50~15:10	<p>靱皮繊維の残存ゴム含有量の測定 Determining Residual Gum Content of Bast Fibres Chris Hurren, Stephanie Lecomte and WANG Xungai School of Engineering & Technology, Deakin University, Geelong VIC 3217, Australia</p>
15:10~15:30	<p>防水透湿可能織物の蒸気透過性 Moisture Permeable on Waterproof Breathable Fabrics Zhou Xiaohong^{1,3}, Fan Jintu⁴, JIANG Yuexing⁵ and Wang Shanyuan^{1,2} 1. Institute of Textiles, Donghua University, Shanghai 200051, China 2. The key lab of Textiles Science & Technology Ministry of Education China, Shanghai 200051, China 3. Zhejiang Institute of Science and Technology, Hangzhou 310033, China 4. Institute of Textiles and Clothing, The Hong Kong Polytechnic University, Hong Kong, China 5. Institute of Material, Suzhou University, Suzhou 215005, China</p>
15:30~15:50	Coffee break
15:50~16:10	<p>織物構造の研究 In situ での密度変動をもつ繊維集合体の空気透過性と防音材 Study on the Fibre Arrangement, Air Permeability and Acoustic Insulation of Fiber Assemblies with Density Variation in Situ LIU Qian and YU Weidong College of Textiles, Donghua University, Shanghai 200051, China</p>
16:10~16:30	<p>細長い羊毛の特性研究 Study on Properties of Slenderizing Wool YANG Suoting, WANG Xiaohong, YAO JinBo, LIU Jianzhong and ZHANG Shujie Department of Textiles, Tianjin Polytechnic University, Tianjin 300161, China</p>
16:30~16:50	<p>シングルジャージー編物のスパイラルを減少させるための Nu-Torque™ シングルスリング糸の開発 Developing the Nu-Torque™ Singles Ring Yarn to Reduce Spirality of Single Jersey Knitted Fabric K. Yang, Y.K. Yip, X.M. Tao, S.K. Wong, K.K. Wong, C.M. Murrells, B.G. Xu, T. Hua, and C.L. Leung Institute of Textiles & Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China</p>
16:50~17:10	<p>単高性能繊維の曲げとねじり疲労特性 Characterization of the Bending and Torsion Fatigue of Single High Performance Fibers LIU Xiaoyan and YU Weidong College of Textiles, Donghua University, Shanghai 200051, China</p>
17:10~17:30	<p>弾性包帯に使用される弾性複合糸の生産 Production of an Elastic Complex Yarn Used for an Elastic Bandage C. W. Chang, J. H. Lin, C. W. Lou and W. H. Hsing Laboratory of Fiber Application and Manufacturing, Graduate Institute of Textile Engineering, Feng Chia University, Taiwan, China</p>

May 24th Room C Section 4 Clothing Science & Technology

13:30~13:50	<p>FEA Software MSC.Marc によるボディー衣服環境システムによる熱伝達分析 Analysis of Heat Transfer through Body—Clothing—Environment System by FEA Software MSC. Marc SUN Yuchai¹, LIU Chaoying², FENG Xunwei¹ and CHENG Zhonghao² 1. College of Textiles, Donghua University, Shanghai 200051, China 2. College of Textile and Garment, Hebei University of Science and Technology, Shijiazhuang 050031, China</p>
13:50~14:10	<p>中国人の男性のボディー形の分析とプロトタイプデザインのアプリケーション</p>

	<p>Analysis of Chinese Men's Body Shape and the Application of the Prototype's Design <u>FANG Fang</u>, ZHANG Weiyuan, ZHANG Wenbin and XU Qingqing Fashion Institute □ Donghua University □ Shanghai 200051, China</p>
14:10~14:30	<p>ISO 規格 512 と 514 ステッチタイプの物理的な品質 The Physical Qualities of ISO 512 and 514 Stitch Types Steven George Hayes and Dorothy Fairclough Department of Clothing Design & Technology □ Faculty of Food, Clothing & Hospitality Management □ Manchester Metropolitan University, Hollings Campus, Fallowfield, Manchester M14 6HR, UK</p>
14:30~14:50	<p>衣服人間工学システムと結合した熱水分移動の非線形的性質 The Nonlinear Property on Coupled Heat and Moisture Transfer in Clothing Ergonomics System <u>HE Chaoying</u> and LI Donggao College of Physics and Technology □ Suzhou University, Suzhou 215006, China</p>
14:50~15:10	<p>香港、台湾、および中国でのファッション消費者の意志決定の様式の比較調査 A Comparative Study of Fashion Consumers' Decision-making Styles in Hong Kong, Chinese Taipei and the PRC C. Y. Kwan, K. W. Yeung, K. F. Au Institute of Textiles and Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China</p>
15:10~15:30	<p>着用時の皮膚の冷感度の違い Skin Cold Sensorial Differences among Body Sections under Clothing LI Jun^{1,2}, ROGER L. BARKER² and A. SHAWN DEATON² 1. Fashion Institute, Donghua University, Shanghai 200051, China 2. Center for Research on Textile Protection and Comfort, College of Textiles, North Carolina State University, Raleigh NC 27695, USA</p>
15:30~15:50	<p>Coffee break</p>
15:50~16:10	<p>弾性系によるニットウェアのからだにぴったり合った衣類のための革新的なパターン構成法 Innovative Pattern Construction Methods for Close-Fitting Garments of Knitwear with Elastan Yarns <u>S. Krzywinski</u>, J. Siegmund and H. Rödel Dresden University of Technology, Institute of Textile and Clothing Technology, 01062 Dresden, Germany</p>
16:10~16:30	<p>知的な衣服開発のためのマイクロ気候分布に関する研究 The Study on the Microclimate Distribution for Intelligent Wear Development <u>Hsiang-Yi Lee</u>, Ming-Chuan Hu, Kuang-Hung Chen, Dept. of Testing and Evaluation □ Textile Institute Taiwan China □ Taipei Hsien 236, Taiwan, China</p>
16:30~16:50	<p>Overfed 縫ぎ目の自然な反りに拡張した織物の回復エネルギーの効果 The Effect of Recovery Energy of Extended Fabric to the Natural Curvature of Overfed Seam <u>XI Xiangrong</u>¹ and ISAO AJIKI² 1. Art College, Jiangxi Normal University, Nanchang 330027, China 2. Faculty of Education, Yamagata University, Yamagata 990-8560, Japan</p>

May 24th Room D Section 11 History of Textiles and Historical textiles

13:30~13:50	<p>私たちの織物文化遺産の保存 Preservation of Our Textile Cultural Heritage F G France Art Preservation Services, New York NY 10128, USA</p>
13:50~14:10	<p>繊維工業のハンドクラフト段階での 10 の中国の織物革新 Ten Chinese Textile Innovations in The Handcraft Stage of Textile Industry ZHOU Qicheng and CHENG Wenhong, College of Textiles, Donghua University, Shanghai 200051, China</p>
14:10~14:30	<p>織物名の派生 The Derivation of Fabric Names <u>Carol Watkinson</u> 78 Park Lodge Mansions, Durban – 4001, Republic of South Africa</p>
14:30~14:50	<p>1980 年代の西洋のファッション歴史における、Chinoserie の研究 The Study of Chinoserie in the 1980's Western Fashion History <u>WANG Yimeei</u>, WU Shuhui, Graduate Institute of Textiles and Clothing, Fu-Jen Catholic University, Taipei Hsien 24205, Taiwan China</p>
14:50~15:10	<p>織物表面湿潤性へのコロナ処理の影響 The Influence of Corona Treatment on Fabric Surface Wettability Chi Kedong, Jiang Hong, Luo Xin and Wu Huili,</p>

	China Textile Academy, Beijing, 100025, China
15:10~15:30	西洋と東洋の間の唐王朝の西装飾品と東装飾品間の唐王朝の敦煌ドレスと装飾品の織物の芸術の比較研究 The Comparison Research on the Art of Textiles of the Dunhuang Dresses and Adornments in the Tang Dynasty between the West and the East Adornments in the Tang Dynasty between the West and the East <u>Wang Hua</u> College of Textiles, Donghua University, Shanghai 200051, China
15:30~15:50	Coffee break
15:50~16:10	リビアの文化の脈絡としての織物に関する歴史的なノート Historical Notes about Textiles as a Context of Culture in Libya <u>A.O.EL Breki, A.N.EL Sedik</u> Textile Research Department, Industrial Research Center, Libya
16:10~16:30	中国の明王朝(1368-1644)の間の服装と織物設計技術の統合 The Integration of Costume and Textile Design Technology during the Chinese Ming Dynasty (1368-1644) <u>Bi-fen CHUEH</u> College of Textiles, Donghua University, Shanghai 200051, China
16:30~16:50	中国の織物史の場合の色の茶色の解釈 The Interpretation of the Color Brown in case of Chinese Textile History <u>Sunghee Kim</u> Shanghai ZhongLu Trading Company, Shanghai 200051, China
16:50~17:10	Qipao の社会生活: 現代の中国の衣服と女性政治 The Social Life of the Qipao: Clothing and Gender Politics in Contemporary China <u>ZHAO Jianhua</u> Department of Anthropology, University of Pittsburgh, Pittsburgh PA 15217, USA

May 24th Room E Section 5 Technical Textiles

13:30~13:50	自然な繊維強化ポリプロピレン複合材料への衝撃: 破損モード Impact on Natural Fibre-Reinforced Polypropylene Composites: Failure Modes <u>Paul Wambua, Bart Vangrimde, Stepan Lomov and Ignaas Verpoest</u> Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven, Leuven B-3001, Belgium
13:50~14:10	複合材料用途のために連続的に断面積を変化させた三次元編物 3d Woven Structures With Gradually Changing Cross-Sections For Composite Applications <u>ZHU Chengyan, SHEN Xiaohong, GAO Zhenyun and ZHU Junping</u> College of Materials and Textiles □ Zhejiang Institute of Science and Technology, Hangzhou 310033, China
14:10~14:30	導電性織物強化熱可塑性プラスチック複合材料の電磁遮蔽の振舞い Electromagnetic Shielding Behavior of Conductive Woven Fabrics Reinforced Thermoplastic Composites <u>Hsin-Chuan Chen, ¹Jia-Hornng Lin¹ and Kuei-Chi Lee²,</u> 1.Laboratory of Fiber Application and Manufacturing, Institute of Textile Engineering, Feng Chia University, Taichung 407, Taiwan, China, 2.Department of Textile Engineering, Chinese Culture University, Taipei 111, Taiwan, China
14:30~14:50	炭素ファイバーの磨耗の理論と実際 The Theory and Practice of Wearing Carbon Fibers <u>JI Yingchao, JIANG Fengqin, GENG Junxin</u> College of textiles, Dalian Institute of Light Industry, Dalian 116034, China
14:50~15:10	疑似体液導入工程によるチタニウムフィラメントにおける骨類似リン灰石の構成 Formation of Bone-Like Apatite on Titanium Filament by A Simulated Body Fluid Inducing Process <u>C. H. Chang¹, J. H. Lin¹, Y. S. Chen², G. T. Lin³ and C. W. Lou⁴,</u> 1.Laboratory of Fiber Application and Manufacturing, Institute of Textile Engineering, Feng Chia University, Taichung 407, Taiwan China 2.Institute of Chinese Medical Science, China Medical University, Taichung 404, Taiwan China 3.Department of Orthopedic Surgery, Kaohsiung Medical University, Kaohsiung 807, Taiwan China 4.Institute of Biomedical Engineering and Material Science, Chungtai Institute of Health Sciences and Technology, Taichung 406, Taiwan China
15:10~15:30	複合材料のための改良された多軸縦編み構造(MWK) An Improved Multiaxial Warp Knitted (MWK) Structure for Composite Reinforcement <u>ZHOU Rongxing, HU Hong, CHEN Nanliang and FENG Xunwei</u>

	College of Textiles, Donghua University□Shanghai 200051, China
15:30~15:50	Coffee break
15:50~16:10	<p>溶融ブロー(MB)ポリ乳酸(PLA)不織布工程における研究 The Investigation on Melt-blown (MB) Polylactic Acid (PLA) Nonwoven Process <u>QU Yehong</u> and <u>KE Qinfei</u> College of Textiles, Donghua University, Shanghai 200051, China</p>
16:10~16:30	<p>ナノメートルスリー証明ダウン・ジャケット織物の開発 Development of Nanometer Three-Proof Down Jacket Fabrics <u>Zhang Yongjiu</u>, <u>Feng Aifen</u>, <u>Wei Yujuan</u>, <u>Qi Junfang</u> and <u>Zhu Junping</u> Hebei University of Science and Technology, Shijiazhuang, Hebei 050031, China</p>
16:30~16:50	<p>フラッシュ火災条件の下における、ケブラー/PBI とノメックスの熱防護服の数値解析 Numerical Analysis of Kevlar®/PBI and Nomex®ⅢA Thermal Protective Garments under Flash Fire Conditions <u>SONG Guowen</u> and <u>R.L. Barker</u> North Carolina State University, Raleigh, NC 27695-8301, USA</p>
16:50~17:10	<p>PP と PET のノンウーブン織端の再生のための溶融ブレンドとその技術 Melt Blending for the Recycling of PP and PET Non-woven Selvages <u>Zheng-Hong Liu</u>¹, <u>Jia-Horng Lin</u>¹, <u>Kuan-Hua Su</u>¹ and <u>Ching-Wen Lou</u>² 1.Laboratory of Fiber Application and Manufacturing, Institute of Textile Engineering, Feng Chia University, Taichung 407, Taiwan China 2.Institute of Biomedical Engineering and Material Science, Chungtai Institute of Health Sciences and Technology, Taichung 406, Taiwan China</p>

May 24th Room F Section 6 Machinery for Textiles and Fashions

13:30~13:50	<p>空気渦流紡績の紡績原理 The Spinning Principle of Air Vortex Spinning <u>XING Mingjie</u>^{1,2}, <u>YU Chongwen</u>¹ 1. College of Textiles, Donghua University, Shanghai 200051, China 2. Department of Textiles, Qingdao University, Qingdao 266071, China</p>
13:50~14:10	<p>織物とファッションのためのマシナリー Machinery for Textiles and Fashion <u>Janet Stoyel</u>, Senior Research Fellow Art, Media and Design□University of West of England, Bristol, UK</p>
14:10~14:30	<p>マイクロウエーブで仕上げ処理した織物 Textile Finishing Treatments Influenced with Microwaves <u>Sandra Bischof Vukusic</u>, <u>Drago Katovic</u> Department for Textile Chemistry and Material Testing, Faculty of Textile Technology, University of Zagreb, Zagreb 10000, Croatia</p>
14:30~14:50	<p>絹フィブロインの FT ラマンと FT-IR 分光学的研究 Ft-Raman And Ft-Ir Spectroscopic Studies of Silk Fibroin <u>SHAO Jianzhong</u>¹, <u>ZHENG Jinhuan</u>¹, <u>LIU Jinqiang</u>¹ and <u>C M CARR</u>² 1. College of Materials and Textiles, Zhejiang Institute of Science and Technology, Hangzhou 310033, China 2. Department of Textiles, UMIST, Manchester M60 1QD, UK</p>
14:50~15:10	<p>縁のカバー本縫い(ECLS)の開発 Development of Edge Cover Lock Stitch (ECLS) <u>Kosuke Yuyama</u>¹, <u>Kouichi Sakuma</u>¹, <u>Shigeo Suzuki</u>¹ and <u>Isao Ajiki</u>² 1. Development of Edge Cover Lock Stitch (ECLS), KOUICHI SAKUMA, KOSUKE YUYAMA and SHIGEO SUZUKI, Suzuki Manufacturing Ltd., Yamagata 990-0816, Japan, 2. Yamagata University, Yamagata, 990-8560, Japan</p>
15:10~15:30	<p>固体上に十文字におかれた糸の摩擦係数測定 Crosswise Yarn-on-Solid Coefficient of Friction Measurement <u>J.P.P. Marcicano</u>, <u>C.C. Tu</u> and <u>H.G. Rylander</u> Escola Politécnica da Universidade de São Paulo, 05508-900, São Paulo, SP, Brazil</p>
15:30~15:50	Coffee break
15:50~16:10	<p>よこ糸挿入のための織機での電磁発射体機構の設計と製造 Design and Manufacturing An Electromagnetic Projectile Mechanism for Weft Insertion in A Loom <u>S.A. Mirjalili</u> Textile Eng. Dept., Yazd University, Yazd, Iran</p>
16:10~16:30	自動糸供給装置があるミシンの縫い目構造の分析

	<p>Analysis of Seam Structure on Sewing Machine with Automatic Thread Feeding Apparatus <u>Isao Ajiki</u> Yamagata University, Yamagata 990-8560, Japan</p>
16:30~16:50	<p>電磁軌道リング：ペレニアル紡績ジレンマのソリューション：Bhumika 軌道リングへの序論 Electromagnetic Orbit Rings: The Solution to Perennial Spinning Dilemmas: An Introduction to Bhumika Orbit Rings <u>Debasish Banerjee</u>, B.Tech (Textile engineering), University of Calcutta, India</p>

May 24th Room G Section 9 Globalisation and Distribution of Apparel & Textiles

13:30~13:50	<p>Quota Era and After <u>Kayser Sung</u> Textile Asia (Editorial Dept.), Hong Kong, China</p>
13:50~14:10	<p>サーベーンズ-オックスリー条例とグローバルな衣料産業のためのその含意 The Sarbanes-Oxley Act and Its Implications for the Global Clothing Industry <u>Michael Jeffrey</u> Department of Clothing Design and Technology, Manchester Metropolitan University, UK</p>
14:10~14:30	<p>織物の原料のための市場情報と予測 Market Information and Forecast for Raw Materials of Textiles <u>ZHAO Shiping</u> School of Business and Management, Donghua University, Shanghai 200051, China</p>
14:30~14:50	<p>グローバルな繊維品小売の成功におけるエモーションの役割 The Role of Emotion in Success of Global Textile Product Retailing <u>Jai-O. Kim</u>¹, <u>GU Qingliang</u>² and <u>G. Xiao</u>³ 1. Department of Consumer Affairs, College of Human Sciences, Auburn University, AL 36849 USA 2. Glorious Sun School of Business and Management, Donghua University, Shanghai 200051, China 3. Ge Xiao, Department of Consumer Affairs, College of Human Sciences, Auburn University, AL 36849 USA</p>
14:50~15:10	<p>21世紀は技術とライフスタイル品質利益により衰退は終焉する Ending the Decline through Technology and Lifestyle Quality Benefits in the 21st Century <u>Asha Peta Thompson</u> M.A FRSA □ <u>Stanley Swallow</u> FRSA Intelligent Textiles Ltd / Educational Textiles and founder of Only Asha Limited, UK</p>
15:10~15:30	<p>品質：それは価格と政策に勝るだろうか？ グローバルな織物業でシックス・シグマを乗り越える Quality: Will It Win over Price and Policy? - The Six-Sigma and Beyond for Global Textile Trades <u>Moon W. Suh</u> North Carolina State University, Raleigh, North Carolina, NC 27695-8301, USA</p>
15:30~15:50	Coffee break
15:50~16:10	<p>国際衣服供給チェーンにおける品質管理 Quality Control in International Clothing Supply Chains <u>Zhimin Chen</u>, Richard Murray and Ji-young Ruckman, Manchester Metropolitan University, Manchester, M14 6HR, UK</p>
16:10~16:30	<p>大学生の衣服への態度と購入振舞いに関する研究 The Research about College Students' Clothing Attitudes and Purchasing Behavior <u>LIU Guolian</u>¹ and <u>WANG Haiyan</u>² 1 Material Engineering College, Soochow University, Suzhou, Jiangsu 215021, China 2 Clothing department, Liaodong College, Liaoning 118000, China</p>
16:30~16:50	<p>織物世界のグローバル化傾向とそれに対処するターキーの挑戦 Global Trends in The Textile World and Turkey's Challenge to Cope with It <u>Bülent Özipek</u> İstanbul Technical University, Department of Textile Engineering, İstanbul 34439, Turkey</p>
16:50~17:10	<p>織物と衣服供給チェーンにおける織物客観計測技術 Fabric Objective Measurement Technology in the Textile and Apparel Supply Chain Supply Chain <u>Jimmy K.C. Lam</u>¹ and <u>Ron Postle</u>² 1 The Hong Kong Polytechnic University, Kowloon, Hong Kong China 2 University of new south wales, Sydney 2052, Australia</p>
17:10~17:30	<p>1978年以來の中国の織物と衣料産業における、開発力の分析 An Analysis of Development Dynamics in the Chinese Textile and Apparel Industries</p>

Oral Presentation List

	<p>since 1978 <u>Peter Kilduff</u>¹, Hai Hong Jiang, and Ting Chi Department of Textile Products Design & Marketing, University of North Carolina at Greensboro, GreensboroNC 27402, USA</p>
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May 25th Room A Section 1 Fibre and Polymer Materials

9:00~9:20	<p>羊毛とハイパフォーマンスポリエチレンテレフタレート繊維の弱リンクモルフォロジーと引張り挙動 Study on the Weak-link Morphology and Tensile Behaviour of Wool and High-performance Polyethylene Terephthalate Fibres in situ <u>YU Weidong</u>¹, Ron Postle² and YAN Haojing¹ 1.College of Textiles, Donghua University, shanghai 200051, China 2.University of New South Wales, Sydney 2052, Australia</p>
9:20~9:40	<p>日本のファイバーと織物の最近の専門技術 Recent Specialty Technologies of Fibers and Textiles in Japan <u>Tatsuki Matsuo</u> SCI-TEX, Ohtsu, Shiga, 520-0222, Japan</p>
9:40~10:00	<p>動物繊維における、皮層細胞の粒度分布 Size Distribution of Cortical Cells in Animal Fibres <u>P. R. Brady</u> and X. Wang Faculty of Science and Technology□Deakin University□Victoria 3217□Australia</p>
10:00~10:20	<p>Poly(エチレンテレフタレート)ファイバーの高温緩和 High-temperature Relaxation of Poly (ethylene terephthalate) Fiber <u>Li Xin</u> and Wu Liheng China Textile Academy, Beijing, 100025, China</p>
10:20~10:40	Coffee break
10:40~11:00	<p>Poly(トリメチレンテレフタレート)の結晶化挙動 Crystallization Behaviors of Poly (trimethylene terephthalate) <u>T.W. Shyr, C.M. Lo</u> and H.L. Chen Graduate Institute of Textile Engineering, Feng Chia University, Taichung 40724, Taiwan, China</p>
11:00~11:20	<p>Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV)の動的機械的特性 Dynamic Mechanical Properties of Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) <u>SONG Liyuan, ZHU Meifang, YU Hao, CHEN Long</u> and CHEN Yanmo State Key Lab for Modification of Chemical Fiber and Polymer Materials, College of Material Science and Engineering, Donghua University, Shanghai 200051, China</p>
11:20~11:40	<p>LiCl のコンテンツで作用する電気紡績ナノ繊維の直径のパラエティー Diameter Varieties of Electrospinning Nanofibers Effected by The Contents of LiCl <u>Qin Xiaohong, WANG Shanyuan</u> Textile College of Donghua University, Shanghai, 200051, China</p>
11:40~12:00	<p>高輝度 PA6 ファイバーの構造と特性 Structure and Properties of the High-luminance PA6 Fiber <u>YE Yunting, ZHANG Yumei</u> and WNAG Huaping State Key Laboratory for Chemical Fibers and Polymer Materials, Donghua University, Shanghai 200051, China</p>

May 25th Room B Section 2 Textile Processing and Properties

9:00~9:20	<p>繊維工業における、色差の計測- 色不変性 Measurements of Color Differences in Textile Industry - Colour Constancy <u>Michal Vik</u>¹, Aleš Richter², Petra Červeňáková¹ 1. Technical University of Liberec, LIBEREC, Czech Republic Laboratory Colour and Appearance Measurement, Technical University of Liberec, LIBEREC, Czech Republic 2. Department of Electrical Engineering and Electromechanical Systems, Technical University of Liberec, LIBEREC, Czech Republic</p>
9:20~9:40	<p>羊毛、アルパカ繊維、およびそれらの混紡の処理間の繊維反りにおける変化 Changes in Fibre Curvature during the Processing of Wool and Alpaca Fibres and Their Blends <u>WANG Lijing, LIU Xin</u> and WANG Xungai School of Engineering and Technology□Deakin University□Geelong, VIC 3217□Australia</p>
9:40~10:00	<p>平織における、Beat-up 過程の分析のための有限要素アプローチ A Finite Element Approach for the Analysis of Beat-up Process in a Plain Weave</p>

Oral Presentation List

	<p>Jaekyun Shin¹, Jongghi Lee² and Seung-Ryeul Choi² 1. Yeungnam University, Dept. of Mech. Engng., Kyongsan 712-749, Korea 2. Graduate School, Yeungnam University □ School of Mechanical Engineering, Yeungnam Univ., Kyongsan 712-749, Korea</p>
10:00~10:20	<p>ノリつけ糸のクオリティとたて糸のクランプ特性の間の相関関係 Correlation between Quality of Sizing Yarns and Clinging Tendency of Warp Yarns <u>YAO Guifen</u>^{1,2}, GUO Jiansheng¹ and ZHOU Yongyuan¹ 1. College of Textiles, Donghua University, Shanghai, 200051, P. R. China 2. College of Textile & garment, Hebei University of Science & Technology, Shijiazhuang 050021, China</p>
10:20~10:40	<p>Coffee break</p>
10:40~11:00	<p>低ねじりステープル繊維集合体の引張挙動の力学解析 Mechanics Analysis of the Tensile Behavior of Low-twist Staple Fiber Assemblies <u>WANG Youjiang</u>¹, SHAO Xin¹ and QIU Yiping² 1. School of Polymer, Textile & Fiber Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0295, USA 2. College of Textiles, Donghua University, Shanghai 200051, China</p>
11:00~11:20	<p>サイジングされたフィラメント糸の品質を評価する新しい方法の開発 Development of a New Method to Quickly Evaluate the Quality of Sized Filament Yarn <u>Guo Jiansheng</u>, Zhang Enjie College of textiles, Donghua University, Shanghai 200051, China</p>
11:20~11:40	<p>皮膚に接する部分に麻をブレンドした PES 繊維の効果 - 衣服マイクロ気候と筋肉の張り The Effect of PES Fibres Content in Blends with Flax on Skin – Clothing Microclimate and Muscle Tension <u>M. Zimniewska</u>¹, I. Krucińska² and R. Kozłowski¹ 1. Institute of Natural Fibers, Str. Wojska Polskiego 71b, 60 – 630 Poznan, 2. Technical University of Łódź, Faculty of Textile Engineering, Str. Zeromskiego 116, 90 – 534 Łódź, Poland</p>
11:40~12:00	<p>メリヤスでの液体移動と分配 Liquid Transfer and Distribution in Knitted Fabrics <u>ZHOU Liya</u>^{1,2}, Y. Li¹, X.W. FENG² and J.Y. HU¹ 1. The Institute of Textiles and Clothing, Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong China 2. College of Textiles, Donghua University, Shanghai 200051, China</p>
12:00~12:20	<p>「変換可能な」システム The “Convertible” System <u>Monica Goddard</u> Department of Textile Industries □ School of Design, University of Leeds, LS2 9JT, UK</p>

May 25th Room C Section 4 and 10 Clothing Science & Technology; Design, Innovation, colour, pattern, aesthetics, fashion and style

9:00~9:20	<p>Signature 分析による縫い目欠陥の検出 Seam Fault Detection through Signature Analysis <u>Steven George Hayes</u> and Collin Lawton Department of Clothing Design & Technology □ Faculty of Food, Clothing & Hospitality Management □ Manchester Metropolitan University □ Hollings Campus, Fallowfield, Manchester M14 6HR □ UK</p>
9:20~9:40	<p>織物の嗅覚特性の測定：人間の知覚のパネラーですかそれとも電子鼻ですか？ Measuring the Olfactory Properties of Textiles: Human Sensory Panel or Electronic Nose? <u>Martin W. King</u> and Roberta K. York, North Carolina State University, Raleigh, NC, 27695-8301, USA</p>
9:40~10:00	<p>シームパッカーのための縫製条件の Taguchi 最適化過程 Taguchi Optimization Process of Sewing Conditions for Seam Pucker <u>J.Y. Ha</u>¹, <u>C.K. Park</u>², C.W. Nam³, J.H. Choi⁴, S.D. Kim² and S.J. Kim⁵ 1. Faculty of Applied Chemistry, Chonnam Nat'l Univ., KwangJu, Korea 2. Department of Textile Engineering □ Konkuk University, Seoul □ Korea 3. KITECH, ChonAn-si, ChungChungNam-do, Korea 4. Dept. of Dyeing and Finishing, Kyungpuk Univ., DaeGu, Korea 5. School of Textile Eng., Yeungnam Univ., GyeongSangBuk-do, Korea</p>
10:00~10:20	<p>Coffee break</p>
10:20~10:40	<p>東西の協力的なデジタル設計プロジェクト：イメージの世界語 The East/West Collaborative Digital Design Project: The Universal Language of Image <u>Elaine Polvinen</u>, <u>SHEN Lj</u> and Yimeei Wang</p>

	Buffalo State College, Buffalo, NY, USA
10:40~11:00	織物の設計品質教育 Quality of Design Education in Textiles <u>Clare Johnston</u> Royal College of Art, London, UK
11:00~11:20	テヘラン州のイラン人の女性の標準のサイズの決定 Determination of Standard Size of Iranian Women in Tehran Province <u>Sedigheh PAKBIN</u> Cloth and Garment Design Department, Faculty of Arts, Al-Zahra University, Tehran, Iran
11:20~11:40	自然対流の利用があるスポーツとアウトドア用衣類のための 3D 織物 3D Textiles for Sports and Outdoor Clothing with Utilize of Free Convection <u>Katerina Machova Ing</u> Institute für Textil- und Bekleidungstechnik, Dresden 1069, Germany
11:40~12:00	ファッションデザインツール A Fashion Design Tool <u>Cai Chengying</u> Southern Yangtze University, Wuxi, China

May 25th Room D Section 3 Chemical Treatment & Technology

9:00~9:20	分散 TiO ₂ アパタイト層と共にコーティングされた織物のための揮発性有機物光触媒分解放射能の強さ VOC Photo-Catalyst Decomposition Activity for Fabrics Coated with Dispersed TiO₂ – Apatite Layer <u>A. Ehrhardt</u> , K. Miyazaki, K. Hisada and T. Hori Graduate School of Engineering, UNIVERSITY OF FUKUI, Fukui 910-8507□Japan
9:20~9:40	自然な染料の XVI-XVIII の世紀のポーランドの織物から近代的な織物までのアプリケーション考古学から産業まで The Application of Natural Dyestuffs from XVI-XVIII century Polish Textiles to Modern Fabrics. From Archaeology to Industry <u>Katarzyna Schmidt-Przewozna</u> ¹ and <u>Mariola Kazmierska</u> ² 1. The Institute of Natural Fibres□Ul. Wojska Polskiego 71b□60-630 Poznan, Poland 2. IBPO□ul. Sienkiewicza□90-009 Lodz, Poland
9:40~10:00	循環システムと適合処理している廃水における環境保護 Environmental Protection in Waste Water by Recycling Systems and Adapted Treatments <u>Thomas Stegmaier</u> , Werner Wunderlich, Jamal Sarsour and H. Planck Institute for Textile and Process Engineering Denkendorf (ITV), Germany (Institut für Textil- und Verfahrenstechnik (ITV) Denkendorf, Deutschland)
10:00~10:20	着心地の良い衣服--抗菌性織物は、より長い時間より新鮮な状態を保つ Comfortable Apparel – Antibacterial Fabrics Stay Fresher for Longer <u>J.D. Payne</u> and H Hyde Avecia Protection and Hygiene, Blackley, Manchester M9 8ZS, UK
10:20~10:40	Coffee break
10:40~11:00	染色の深み向上剤としてポリエチレングリコールを使用した絹染色 Dyeing of Silk with Natural Dyes Using Polyethylene Glycol as Depth Improver <u>Padma S Vankar</u> , Vandana Tiwari and Rakhi Shanker Facility for Ecological and Analytical Testing (FEAT), Indian Institute of Technology, Kanpur, India
11:00~11:20	目新しい非ホルムアルデヒド架橋剤の合成 Synthesis of a Novel Non-formaldehyde Cross Linker <u>CUI Shuling</u> and D M Lewis College of Textile Chemistry and Chemical Engineering, Donghua University, Shanghai 200051, China
11:20~11:40	ペクチナーゼ酵素を使用する綿の生物学的すりみがき Biological Scouring of Cotton Using Pectinase Enzyme U. K. Sahin and <u>N.C. Gursoy</u> Material Engineering Institute, Soochow University, Suzhou, Suzhou JS 215021, China
11:40~12:00	過酸素酸で漂白した綿 Enhanced Cotton Bleaching with Peracids <u>P. Hauser</u> ¹ , <u>N. Gürsoy</u> ² , <u>D. Hinks</u> ¹ and <u>S. Lim</u> ¹ 1. North Carolina State University, Raleigh, NC, USA 2. Istanbul Technical University, Istanbul, Turkey

12:00~12:20	<p>熱保護的な品質を維持する Kermel / FR ビスコース織物からの自動車廃油の洗浄性 Detergency of Used Motor Oil from Kermel / FR Viscose Fabrics to Maintain Its Thermal Protective Qualities FENG Aifen¹, Betty CROWN², and ZHANG Yongjiu¹ 1. Hebei University of Science and Technology, Shijiazhuang 050031, China 2. BETTY CROWN, The University of Alberta, Edmonton, Alberta, Canada, T6G 2N1</p>
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May 25th Room E Section 5 Technical Textiles

9:00~9:20	<p>センサフュージョンベース管理システムを使用する不織布品質のリアルタイムの計測と特性 Real-Time Measurement And Characterization Of Nonwoven Fabric Qualities Using A Sensor Fusion Based Control System Jooyong Kim, Dae Young Lim and Sung Weon Byun School of Textiles, Soongsil University, Seoul, 156-095, Korea</p>
9:20~9:40	<p>メルトブローイング過程の理論模型によるレオロジー的な力の初期値の決定 Study On The Determination Of Initial Value Of Rheological Force In Theoretical Model Of Melt Blowing Process WANG Xiaomei and KE Qinfei College Of Textiles, Donghua University, Shanghai 200051, China</p>
9:40~10:00	<p>多層膜コンパウンドケブラー織物の衝撃特性への発泡条件 The Effect of Foaming Conditions on The Impact Properties in The Multi-Layer Compound Kevlar Fabrics Chan-Hung Hsu¹, Jia-Horng Lin¹, Chen-Hwan Lei¹, Ching-Wen Lou² and Hsien-Hui Meng³ 1.Laboratory Of Fiber Application And Manufacturing, Institute Of Textile Engineering And Department Of Fiber And Composite Materials, Feng Chia University, Taichung 407, Taiwan China 2.Institute Of Biomedical Engineering And Material Science, Chungtai Institute Of Health Sciences And Technology, Taichung 406, Taiwan China 3.Department Of Forensic Science, Central Police University, Taoyuan 333, Taiwan China</p>
10:00~10:20	
10:20~10:40	Coffee Break
10:40~11:00	<p>多層二軸よこ編みの面内のシェラの特性のモデル化 Modeling The In-Plane Shera Properties of Multi-Layered Biaxial Weft Knitted JIANG Yaming, QIU Guanxiong, ZHANG Jianhan and LIU Liangsen Textile Composite Research Institute, Tianjin Polytechnic University, Tianjin 300160 China</p>
11:00~11:20	<p>コンクリート補強のための荷重に適合している織物構造物 Load-Adapted Textile Structures For Concrete Reinforcement Offermann P., Abdkader A., Engler Th., Schierz M, Franzke G. and Waldmann M., Koeckritz Institute Of Textile And Clothing Technology, Dresden University Of Technology, 01062 Dresden, Germany</p>
11:20~11:40	<p>気孔構造への繊維性質の効果に関するフラクタル形状と不織布構造の表現 Expression of Nonwovens Structure Using Fractal Geometry and Study on Effect of Fiber Properties on Pore Structure Yang Xuhong □ Li Donggao Material Engineering Institute, Soochow University, Suzhou 215021, China</p>
11:40~12:00	<p>熱可塑性複合材のためのハイブリッド系：工業用繊維品アプリケーションのための範囲 Hybrid Yarns For Thermoplastic Composites: A Scope for Technical Textile Applications Hireni Mankodi and Pravin Patel Faculty Of Tech And Engg, M.S.University, Baroda 390001, India</p>
12:00~12:20	<p>3D 織複合材料の弾性のパフォーマンスをモデル化 Modeling Elastic Performance Of 3D Woven Composites DING Xin and YI Honglei College of Textiles, Donghua University, Shanghai 200051, China</p>

May 25th Room F Section 8 IT Application in Apparel & Textiles

9:00~9:20	<p>モデル作成とシミュレーションによるテキスタイルと染色のクオリティー Quality Textiles by Modelling and Simulation Xiaoming Zhao¹, R. Shamey², R.H. Wardman¹ 1.School of Textiles and Design, Heriot-Watt University, Galashiels, Scotland, UK 2.College of Textiles, North Carolina State University, Raleigh, NC 27695-8301, USA</p>
9:20~9:40	<p>織り物欠点のコンピュータのビジョンベースの自動検出 Study on Computer Vision-based Automatic Detection of Fabric Defects LL Liqing and HUANG Xiubao</p>

Oral Presentation List

	College of Textiles, Donghua University, Shanghai 200051, China
9:40~10:00	飾り糸の三次元モデル化 3D Modelling of Fancy Yarn <u>R. Gao</u> and R. H. Gong Department of Textiles and Paper, UMIST, Manchester, M60 1QD, UK
10:00~10:20	VRML を使用する織物構造の三次元シミュレーション Three-dimensional Simulation of Woven Fabric Structures Using VRML <u>P. Potiyaraj</u> and C. Subhakalin Center of Excellence in Textiles, Department of Materials Science, Faculty of Science, Chulalongkorn University, Bangkok 10330, Thailand
10:20~10:40	Coffee break
10:40~11:00	仮定の 3D 織物ドレープの計測のシステム A System of Virtual 3D Fabric Drape Measurement <u>Ji Feng</u> ¹ , LI Ruqin ¹ , ZHANG Ruiyun ¹ and GUO Yongping ² 1. College of Textiles, Donghua University, Shanghai 200051, China 2. P.T.TYFOUNTEX, Indonesia
11:00~11:20	織物開放気孔率の予測モデリング Predictive Modeling of Woven Fabric Open Porosity <u>P. Dobnik Dubrovski</u> and M. Brezocnik Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia, Smetanova 17, Slovenia
11:20~11:40	人工神経回路網を使用した糸の品質と紡績性能の予測 Prediction of Yarn Quality and Spinning Performance by Using Artificial Neural Network <u>WANG Kanfeng</u> , LU Kai and HUANG Xiubao College of Textiles, Donghua University, Shanghai 200051, China

May 25th Room G Section 9 Globalisation and Distribution of Apparel & Textiles

9:00~9:20	21 世紀に入ってから世界的な衣服文化のグローバルな発展 A Global Evolution of Worldwide Clothing Culture After Entering 21 Century <u>Ma li</u> Art & Design Academy, Hebei Teachers University, Shijiazhuang 050091, China
9:20~9:40	中国の衣服供給チェーンの研究 Research on the Model of Chinese Apparel Supply Chain <u>ZHANG Tong</u> Glorious Sun School of Business & Management, Donghu University, Shanghai 200051, China
9:40~10:00	香港でカジュアルウェアストアでの買物客の選択 Retail Shopper's Choice on Casual Wear Store Location in Hong Kong Ng Hoi Kei Debbie ¹ and <u>Chu Wai Ching Alice</u> ² 1. Fashion Coordinator, Mexx Far East Ltd., Hong Kong China 2. Institute of Textiles and Clothing, Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong China
10:00~10:20	「西洋の目」私たちは、世界中でファッション製造会社をどう支持して、発展させることができるか。 The “Western Eye” How we can Support and Develop the Fashion Manufacturing Companies Worldwide <u>Angela C Peers</u> The International Fashion Business & Technology Centre, Department of Clothing Design and Technology, Manchester Metropolitan University, Manchester M14 6HR, UK
10:20~10:40	Coffee break
10:40~11:00	織物と衣服供給チェーンにおける分裂 Disruptions in the Textile and Apparel Supply Chain <u>George Hodge</u> , Nancy Cassill and Deepak Gupta College of Textiles, North Carolina State University, Raleigh, NC 27695-8301, USA
11:00~11:20	中国の織物複合体と織物アンチ・ダンピング Chinese Textile Complex & Textiles Anti-Dumping <u>LI Ting</u> , SHEN Yan School of Business and Management, Donghua University, Shanghai 200051, China
11:20~11:40	グローバルな羊毛市場の衰退へのオーストラリアの羊毛産業の反応 The Response of the Australian Wool Industry to the Decline of the Global Wool Market Kathryn Brown and Peter Kilduff, 388 UNCG Station, The University of North Carolina at Greensboro, Greensboro, North Carolina 27413, USA

May 25th Room A Section 1 Fibre and Polymer Materials

13:30~13:50	<p>化学ファイバーの開発 主要な新技術と新世代ファイバー創造のビジョン Development of Chemical Fibers. Vision of Principal New Technologies and New Generation Fibers Creation Kirill E. Perepelkin, Technology and Design Materials Science, Sankt-Petersburg State University, Sankt-Petersburg, 191186, Russia</p>
13:50~14:10	<p>ポリアクリロニトリル(PAN系)ファイバー中への酸化亜鉛ウイスカ(ZnOw)の拡散 Diffusion of Zinc Oxide Whisker (ZnOw) in First-born Polyacrylonitrile (PAN) Fibers JIN Huajin, LIU Lei, GU Liqin and GU Lixia College of Material Science and Engineering, Donghua University, Shanghai 200051, China</p>
14:10~14:30	<p>粗いデニール生糸の絹膠の特性と回収プロセス Study on Sericin Properties and Recovery Process of Coarsed-Denier Raw Silk WANG Lan and LIN Junxiong College of Materials and Textiles, Zhejiang Institute of Science and Technology, Hangzhou 310033, China</p>
14:30~14:50	<p>ポリアクリロニトリル(PAN系)/ジンジャー混合紡糸の研究とその特性 A Primarily Study of the Polyacrylonitrile (PAN)/Ginger Blend Fiber and Its Properties Wang Zhixin, Gu Qingfen □ Shen Qing College of Material Sci. & Eng. College, Donghua University, Shanghai 200051, China</p>
14:50~15:10	<p>目新しい高性能ポリマー(ビニルアルコール)の材料の準備 Preparation of Novel High Performance Poly(vinyl Alcohol) Materials Kazuo Yamaura, Masato Iwaseya and Lixing Dai, Faculty of Textile Science & Technology, Shinshu University, Tokida 3-15-1, Ueda-city, Nagano-prefecture 386-8567, Japan</p>
15:10~15:30	<p>ノルマル水/メチルモルホリンノルマル酸化物/セルロース三元相図の計算 Calculation of Water / N-Methyl Morpholine-N-Oxide/ Cellulose Ternary Phase Diagram ZHANG Yaopeng, SHAO Huili and HU Xuechao, State Key Laboratory for Modification of Chemical Fibers and Polymer Materials, College of Material Science and Engineering, Donghua University, Shanghai 200051, China</p>
15:30~15:50	Coffee break
15:50~16:10	<p>様々な綿のパラエティーにおける、内毒素レベルの決定と原綿からの繊維と糸性質を変質させないでの根絶 Determination of Endotoxin Level in Various Cotton Varieties and Its Eradication from Raw Cotton without Deteriorating the Fibre and Yarn Properties Sh. Muhammad Nawaz, Babar Shahbaz and Assad Farooq Department of Fibre Technology, University of Agriculture, Faisalabad, Pakistan</p>
16:10~16:30	<p>アリ菌類がある銀入りのセルロース系繊維と抗菌な特性--知的な織物のための新しいバイオ活性ファイバー Silver-Loaded Cellulosic Fibers with Ant-Fungal and Anti-Bacterial Properties – New Bio-Active Fibers For Intelligent Textiles: Seacell® Active A Quality Lyocell Fiber with Wellness & Antibacterial Properties Joachim W. Fluhr, Christina Hipler and Peter Elsner, Department of Dermatology, Friedrich-Schiller-University Jena, Germany</p>
16:30~16:50	<p>ウェルネスがある Seacell のアクティブな高品質の Lyocell 繊維と反バクテリアの特性 Seacell IR Active-A Quality Lyocell Fiber with Wellness & Antibacterial Properties Stefan Zikeli, Zimmer AG, Frankfurt/Main Department of Cellulose, Zimmer AG D-60388 Frankfurt am Main D-60388, Germany</p>
16:50~17:10	<p>エレクトロスピンニングによるエラストマーナノ繊維 Electrospun Elastomeric Nanofiber Nonwoven Yoshihiro Yamashita¹, Akira Tanaka¹ and Frank Ko² 1 Department of Materials Science, The University of Shiga Prefecture, Japan 2 Department of Materials Science and Engineering, Drexel University, USA</p>

May 25th Room B Section 2 Textile Processing and Properties

13:30~13:50	<p>綿繊維のためのイメージ解析 Image Analysis for Cotton Fibers B. Xu and Y. Huang The University of Texas at Austin, Austin, TX 78712 □ USA</p>
13:50~14:10	<p>導電繊維の含有量と帯電防止への帯電防止メリヤスの構造の影響</p>

	<p>Studies on the Influence of Antistatic Knitted Fabrics' Structure to Conductive Fiber' Content and Antistatic Property <u>CHEN Zhenzhou</u>¹ □ <u>HEN Muying</u>² and <u>Zai Rong</u>³ 1 School of Textile and Garment, Southern Yangtze University, Wuxi 214036, China 2 Textile and Garment Institute, Southern Yangtze University, Wuxi 214063, China 3 Textile school of Jiangsu province, China</p>
14:10~14:30	<p>平織り編物の低荷重の特性のモデル作成 Modelling of the Low Stress Properties of Plain Knitted Fabric <u>K.F. Choi</u> and <u>T.Y. Lo</u> Institute of Textiles & Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong China</p>
14:30~14:50	<p>リング精紡による Core-Sheath 複合糸の紡績の原理と過程技術の研究 Research on Spinning Principles and Process Technology of Core-Sheath Composite Yarns in Ring Spinning <u>XUE Yuan</u>, <u>SUN Mingbao</u> and <u>SUN Shiyuan</u> Textile & Fashion College □ Jiaxing University, Jiaxing 314001, China</p>
14:50~15:10	<p>アルパカと羊毛繊維の材料の柔軟性 Softness of Alpaca and Wool Fibre Materials <u>WANG Xungai</u>, <u>WANG Lijing</u> and <u>LIU Xin</u> School of Engineering and Technology □ Deakin University □ Geelong, VIC 3217 □ Australia</p>
15:10~15:30	<p>フィラメント束の引張挙動の実験研究 Experimental Investigation of Tensile Behavior of Filament Bundle <u>JIN Hongbin</u> and <u>DING Xin</u> College of Textiles, Donghua University □ Shanghai 200051, China</p>
15:30~15:50	Coffee break
15:50~16:10	<p>Nu-Torque™ シングルリング糸での糸のスナーリングの研究 Study of Yarn Snarling in Nu-Torque™ Singles Ring Yarn <u>C.M. Murrells</u>, <u>K.K. Wong</u>, <u>T. Hua</u>, <u>C.L. Leung</u>, <u>B.G. Xu</u>, <u>K. Yang</u>, <u>S.K. Wong</u>, <u>K.F. Choi</u>, <u>Y.K. Yip</u>, <u>K.P.S. Cheng</u> and <u>X.M. Tao</u> Institute of Textiles & Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong China</p>
16:10~16:30	<p>PTFE/PU のラミネートされた膜の湿気の透過性とエラストマーの特性に関する研究 A Study on Moisture Permeable and Elastomeric Properties of PTFE/PU Laminated Membrane <u>HUANG Jizhi</u>¹, <u>ZHANG Jianchun</u>², <u>HAO Xinmin</u>², <u>GUO Yuhai</u>³ 1. College of Textiles, Dong Hua University, Shanghai 200051, China 2. The Quartermaster Research Institute of the General Logistics Department of the CPLA, Beijing 100088, China 3. Shanghai New and Special Textile Material Research Center, Shanghai 200082, China</p>
16:30~16:50	<p>細くて毛羽の少ない糸の生産の研究 Research into the Production of Fine and Low Hairiness Yarns <u>WANG Xungai</u> □ <u>Zulfiqar Khan</u> School of Engineering and Technology □ Deakin University □ Geelong VIC 3217, Australia</p>
16:50~17:10	<p>拡張 PTFE 膜の中のポーラス構造の形成機構 Formation Mechanism of Porous Structure in Expanded PTFE Membrane <u>Hao Xinmin</u>¹, <u>Zhang Jianchun</u>² and <u>Guo Yuhai</u>³ 1 College of Textiles, Donghua University, Shanghai 200051, China 2 The Quartermaster Research Institute of the General Logistic Department of CPLA, Beijing 100088, China 3 Shanghai New & Special Textile Material Research Center, Shanghai 200082, China</p>
17:10~17:30	<p>ステーブルヤーンの肉厚むらの分析 Analysis of Thickness Unevenness of Staple Yarns <u>Huh, Jong S Kim</u> and <u>Seong H Kim</u> Department of Mechanical and Industrial Systems Engineering, College of Advanced Technology, Kyunghee University, Gyunggi-Do 449-701, Korea</p>

May 25th Room C Section 2 Textile Processing and Properties

13:30~13:50	<p>機能的な編み物構造物の熱的特性の数学モデル化 Mathematical Modelization of Thermal Properties in Functional Knit Structures <u>Maria José GERALDES</u>, <u>Lubos HES</u> and <u>Mário de ARAÚJO</u> University of Beira Interior, Portugal</p>
13:50~14:10	<p>新技術による羊毛のすばらしいカシミヤのような改質 Modified Fine Sheep Wool with a New Technology for Cashmere-like <u>LIU Jun-mei</u>^{1,2}, <u>LU Kai</u>¹ 1. College of Textiles, Donghua University, Shanghai 200051, China.</p>

	2. College of Textile and Garment, Hebei Science and Technology University, Shijiazhuang 050031, China
14:10~14:30	<p>ファイバーと溶剤との相互作用におけるフィブリル化調査 Fibrillation-Investigation on Interaction Between Fiber and Solvent <u>W. Zhang</u>, S. Okubayashi and T. Bechtold Christian Doppler Laboratory of Textile and Fibre Chemistry of Cellulosics, Institute of Textile Chemistry and Textile Physics, University of Innsbruck, 6850 Dornbirn, Austria</p>
14:30~14:50	<p>ファイバーのオリエンテーションに関する理論解析とリング精紡による「ねじり部のスペース」での移動 The Theoretical Analysis about Fiber's Orientation and Migration in the "Twist Neck Space" in Ring Spinning XUE Yuan, <u>SUN Mingbao</u>, SUN Shiyuan Textile & Fashion College□Jiaxing University, Jiaxing 314001, China</p>
14:50~15:10	<p>ニットウェアパラドックス 取り扱いとピリング対バルク どこに、バランスがありますか? The Knitwear Paradox: Handle and Bulk Versus Pilling, Where is the Balance? <u>Menghe Miao</u> Canesis Network Ltd□Private Bag 4749□Christchurch□New Zealand</p>
15:10~15:30	<p>帯電防止メリヤスにおける導電繊維の含有量のコントロールと含有量と帯電防止性との関係に関する研究 Studies on the Control of Conductive Fiber's Content on Antistatic Knitted Fabrics and the Relation between Content and Antistatic Property CHEN Zhenzhou¹ and CHEN Muying², 1. School of Textile and Garment, Southern Yangtze University, Wuxi 214063, China 2. Textile and Garment Institute, Southern Yangtze University, Wuxi 214063, China</p>
15:30~15:50	Coffee break
15:50~16:10	<p>Solospun とリング精紡糸のツイスト特性と毛羽の関係 Relationship between Hairiness and Twisting Principles of Solospun and Ring Spun Yarns FU Peihua, <u>CHENG Longdi</u> and YU Xiuye College of Textiles, Donghua University, Shanghai 200051, China</p>
16:10~16:30	<p>電子線照射による PET/ナイロンコンベアベルト織物の接着効果に関する研究 The Study on Adhesive Effect of PET/Nylon Conveyor Belt Fabric Strengthen by Electron Beam Irradiation <u>T. H. Yuan</u>¹, Z. L. Lin², W. H. Hsing² and L. J. Run³ 1. Institute of Materials Science and Nanotech, Chinese Culture University, Taipei 111, Taiwan China 2. Department of Textile Engineering, Chinese Culture University, Taipei 111, Taiwan China 3. San Wu Textile Co. LTD, Changhwa 508, Taiwan China</p>
16:30~16:50	<p>光学糸直径に基づく客観的な糸外觀格付けシステム Objective Yarn Appearance Grading Systems Based on Optical Yarn Diameter <u>Yong K. Kim</u>¹, Filiz Avsar and Kenneth D. Langley² 1 Chancellor Professor of Textile Sciences, University of Massachusetts Dartmouth, Dartmouth, MA 02747, USA 2 Textile Engineer, Lawson-Hemphill, Central Falls, RI 02863, USA</p>
16:50~17:10	<p>綿と COTTOB/PES 織物の紫外保護 Ultraviolet Protection of Cotton and COTTOB/PES Fabrics I. Frydrych^{1,2}, M. <u>Matusiak</u>¹, M., Zimmniewska³ and J. Biskupska³ 1. Institute of Textile Architecture, 90-950 Lodz, 276 Piotrkowska Str., Poland 2. Technical University of Lodz, 90-543 Lodz, 116 Zeromskiego Str., Poland 3. Institute of natural Fibers, 60-630 Poznań, 71-6 Wojska Polskiego Str., Poland</p>
17:10~17:30	<p>100%の綿のリング精紡糸とメリヤスの漂白における目新しさのテクニック Novelty Technique in Bleaching of 100% Cotton Ring-Spun Yarns and Knitted Fabrics S.M. Yukseloglu and <u>S.I. Mistik</u> Marmara University, Faculty of Technical Education, Textiles Department, Goztepe-Istanbul 34738, Turkey</p>

May 25th Room D Section 3 Chemical Treatment & Technology

13:30~13:50	<p>安らぎの向上の特性と羊毛と羊毛/ポリエステル織物のふるまいへの低圧プラズマの使用 Use of Low Pressure Plasma to Improve Properties of Comfort and behaviour of wool and wool/polyester fabrics <u>M.F. Nunes</u>, M.J.O. Geraldés, N.J.R. Belino, I.C. Gouveia University of Beira Interior, Portugal</p>
13:50~14:10	<p>光で掃除 羊毛を掃除している自己の生産へのナノ技術に基づいている溶液 Cleaning with Light - A Nanotechnology Based Solution to the Production of Self</p>

	<p>Cleaning Wool Robert Lamb, <u>Hua Zhang</u>, Ashley Jones and Ron Postle University of New South Wales, Sydney, NSW 2052, Australia</p>
14:10~14:30	<p>麻繊維のための爆発処理に関する研究 The Study on Explosion Treatment for Hemp Fibers <u>Yin Xianggang</u> □ <u>Hua Junkai</u> □ <u>Yu Weidong</u> College of Textiles, Donghua University, Shanghai 200051, China</p>
14:30~14:50	<p>1回の熱浴、混合されたマイクロポリエステル/ラミーの1段階染め One-Bath, One-Stage Dyeing of Micro-Polyester/Ramie Blended <u>LI Hanyu</u> China Textile Academy, Beijing 100025, China</p>
14:50~15:10	<p>織物の熱敏感な仕上げ Thermal Responsive Finishing of Textiles <u>Qinguo Fan</u>, Karthik Ramaratnam and Samuel C. Ugbohue Dept. of Textile Sciences, University of Massachusetts Dartmouth, Dartmouth, MA 02747-2300, U.S.A.</p>
15:10~15:30	<p>極超短波と超音波処理による麻の処理 Hemp Processing with Microwave and Ultrasonic Treatments <u>H. M. Wang</u> and <u>X. Wang</u> School of Engineering and Technology, Deakin University, Geelong VIC 3217, Australia</p>
15:30~15:50	Coffee break
15:50~16:10	<p>Glycolysis 方法による廃棄物ポリウレタン繊維の再生 Recycling of Waste Polyurethane Fibers by the Glycolysis Method <u>WANG Jingrong</u> and <u>CHEN Dajun</u> College of Material Science and Engineering, Donghua University, Shanghai 200051, China</p>
16:10~16:30	<p>織物の火炎燃焼性 FLAMMABILITY OF TEXTILES <u>K.P.S. Cheng</u>, W.K. Chow Institute of Textiles and Clothing, The Hong Kong Polytechnic University, HongKong, China</p>
16:30~16:50	<p>補強のための織物タイプジオグリッドの生のフィラメント系性質の査定 Assessments of Raw Filament Yarn Properties of Fabric Type Geogrids for Reinforcement <u>Han-Yong Jeon</u>, Jung-Jae RYU, Sung-Weon Byun Faculty of Applied Chemical Engineering, Chonnam National University, Pukku, Gwangju, 500-757, Korea</p>
16:50~17:10	<p>医学の、そして、衛生的な織物の b-シクロデキストリン b-Cyclodextrin in Medical and Hygienic Textiles <u>Bojana Vončina</u>, Nataša Majcen, Alenka Majcen Le Marechal Faculty of Mechanical Engineering, University of Maribor, 17, 2000 Maribor, Slovenia</p>
17:10~17:30	<p>いくつかの樹脂類で添加物に DMDHEU を使用する綿織物の特別な樹脂加工における極超短波と高温キュアリングでの比較 Comparison between Microwave and High Temperature Curing in Special Resin Finishing of Cotton Fabric Using DMDHEU in Admixture with some Resins <u>S.M. Mortazavi</u> and <u>P. Esmailzadeh Boukany</u> Textile Department, Isfahan University of Technology, Isfahan 84156, Iran</p>

May 25th Room E Section 5 Technical Textiles

13:30~13:50	<p>3D シェル不織布の特性への結合パラメータの効果 The Effects of Bonding Parameters on the Properties of 3D Shell Nonwovens <u>R H Gong</u> and <u>Z Dong</u> Department of Textiles & Paper, UMIST, Manchester M60 1QD, UK</p>
13:50~14:10	<p>衝撃波管実験に基づくエアバッグ布の浸透性の研究 Study of Permeability of Airbag Fabric Based on Shock Tube Experiment <u>WANG Xinhou</u>¹, <u>M. Kainuma</u>², <u>L.M. Bao</u>³ and <u>M. Nakazawa</u>³ 1. College of Textiles, Donghua University, Shanghai 200051, China 2. Shock Wave Research Center, Institute of Fluid Science, Tohoku University, Sendai 9808577, Japan 3. Department of Functional Machinery and Mechanics, Faculty of Textile Science and Technology, Shinshu University, Nagano 3868567, Japan</p>
14:10~14:30	<p>多層膜合成ナイロン/ステンレス/ナイロン織物の衝撃特性へのクッション構造の効果 The Effect of Cushion Structure on the Impact Properties in the Multi-layer Compound Nylon/Stainless Steel/Nylon Fabrics <u>Yu-Cheng Chen</u>¹, <u>Chan-Hung Hsu</u>¹, <u>Jia-Horng Lin</u>¹, <u>Chen-Hwan Lei</u>¹, <u>Ching-Wen Lou</u>² 1. Laboratory of Fiber Application and Manufacturing, Institute of Textile Engineering and Department of Fiber</p>

	and Composite Materials, Feng Chia University, Taichung 407, Taiwan China 2. Institute of Biomedical Engineering and Material Science, Chungtai Institute of Health Sciences and Technology, Taichung 406, Taiwan China
14:30~14:50	エネルギー吸収アプリケーションのためのセル織物複合材料の特性 Characterisation of Cellular Textile Composites for Energy Absorption Applications Xiaogang Chen □ Xincai Tan Department of Textiles and Paper, UMIST, Manchester, M60 1QD, UK
14:50~15:10	製紙プレスフェルトのためにヒートセット技術 Study on the Heat Setting Technogy for the Paper-making Press Felt Deng Bingyao, YAN Xiong 1. College of Textiles, DongHua University, Shanghai 200051, P.R.China; 2. Southern Yangtze University, WuXi, JiangSu 214063 P.R.China
15:10~15:30	固定されたバクテリアと膜への連続したバイオプロセスの開発 織物溶出液の脱色のための濾過 Development of a Continuous Bioprocess with Immobilised Bacteria and Membrane Filtration for Decolourisation of Textile Effluent Thuy Do ¹ , Jingsong Shen ¹ , Gordon Cawood ² and Richard Jenkins ³ 1. TEAM Research Group, Department of Fashion and Textiles, De Montfort University, The Gateway, Leicester, UK 2. Quantum Clothing Ltd Stevensons, Ambergate, Derbyshire, UK 3. Leicester School of Pharmacy, De Montfort University, The Gateway, Leicester, UK
15:30~15:50	Coffee break
15:50~16:10	ポリプロピレンの固有粘度と引張強度の間の相関関係 エージング下でのジオテキスタイル Correlation between Intrinsic Viscosity and Tensile Strength of Polypropylene Geo-Textiles under Ageing Conditions YANG Xudong and DING Xin College of Textiles, Donghua University, Shanghai 200051, China
16:10~16:30	異なった編組タイプとグラスファイバージオグリッド間の相違 The Differences between Glass Fiber Geogrid with Different Braiding Type S. H. Chiang, J. H. Lin, C. W. Lou, C. T. Wu and C. C. Huang Laboratory of Fiber Application and Manufacturing, Graduated Institute of Textile Engineering, Feng Chia University, Taipei, Taiwan, China
16:30~16:50	治療用のストッキング Therapeutic stocking Inga Lyashenko Institute of Textile & Clothing Technology, Technical University Riga, Riga, Latvia, LV-1658, Latvia
16:50~17:10	韓国の工業用繊維品の技術とマーケティングの見通し The Prospects on the Technology and Marketing of Technical Textiles in Korea Seung Jin Kim School of Textiles, Yeungnam University, Kyeongsan, 712-749, Korea

May 25th Room F Section 8 IT Application in Apparel & Textiles

13:30~13:50	UMLに基づく織物対外貿易金属-絶縁体半導体の分析と設計 Analysis and Design of the Textile Foreign Trade MIS Based on UML Ling Chen □ Fang Jian'an □ Guo Zhaoxia College of Information Science and Technology, Donghua University, Shanghai, 200051, China
13:50~14:10	グローバルな小売のための新しいコンピュータ映像技術の統合と開発 The Integration and Development of New Computer Vision Technologies for Global Retailing G. K. Stylios, Fan Han and Tao Yu Wan RiFlex, School of Textiles and Design, Heriot-Watt University, Scottish Borders Campus, Galashiels, TD1 3HF, Scotland, UK
14:10~14:30	仮想環境における三次元布のデザインとデモ Design and Demo of Three Dimensional Cloth in Virtual Environment LU Yongliang, HU Jinlian and LI Ruqing College of Textiles, Donghua University, Shanghai 200051, China
14:30~14:50	仮想の織物と衣服エンタープライズのデザインと実現 The Design and Implementing of Virtual Textile and Apparel Enterprise MENG Sheng Fashion Institute, Donghua University, Shanghai 200051, China
14:50~15:10	シリーズのデジタルスラブ装置のデザインと開発 Design and Development of Series Digital Slub Devices

Oral Presentation List

	B.J Xu ^{1,2} □ C.P Xie ² and C.W Yu ¹ 1. College of textiles, Donghua University, Shanghai 200051, China, 2. College of Textile and Garment, Southern Yangtze University, Wuxi 214063, China
15:10~15:30	画像処理法で織付ケ不良を取り除く研究 Research on Eliminating Set-marks by Image Processing Method SUN Zhihong and ZENG Yongqi College of Mechanical Engineering, Donghua University, Shanghai, 200051, China
15:30~15:50	Coffee break
15:50~16:10	ファッション CAD ミドルウェア -- 電子商取引における 3D 画像技術開発 Fashion CAD Middleware -- 3D-Image Technology Development in e-Commerce Ming Xiao and Wei Dai Fashion Institute, Donghua University, Shanghai 200051, China
16:10~16:30	縦糸切断修復のオートメーション ジャカード製織による縦糸破断位置と頻度 Automation of Warp Break Repair: Warp Break Location and Frequency in Jacquard Weaving A. M. Seyam, V. P. Shankam, J. H. Lee, E. Grant, G. Hodge and W. Oxenham College of Textiles, North Carolina State University, Raleigh NC 27695-8301, USA
16:30~16:50	物理的ベースのモデリングによる織物のためにシミュレーションと解析ソフトウェアを設計する構造 The Structure Designing of Simulation and Analysis Software for Woven Fabric by Physically-Based Modeling Y. Jiang and X. Chen Department of Textiles and Paper, UMIST, Manchester, M60 1QD, UK

May 25th Room G Section 7 Trade, Economics, Management and Education

13:30~13:50	中国、日本、および韓国の中の織物と衣服開発の相互作用 Textile & Apparel Development's Interaction among Chinese, Japanese and Korean Liu Guolian and Jiang Xiaofeng Soochow University, Material Engineering Institute, Suzhou JS 215021, China
13:50~14:10	繊維工業における、融合システムの実現のための最も良い習慣 Best Practice for the Implementation of Integrated Systems in the Textile Industry Mike Roberts MRA Consultants Limited, Preston, Lancashire PR2 8FX, England, UK
14:10~14:30	香港の衣服メーカーのための製造所選択のための決定モデル Decision Model for Production Sites selection for Hong Kong Clothing Manufacturers AU K.F., WONG W.K., ZENG X.H. Institute of Textiles and Clothing, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong China
14:30~14:50	ロシアの大学のための総合品質管理 Total Quality Management for Russian University Anastasiya Prokoptchuk Vladivostok State University of Economics and Service (VSUES), Vladivostok city, Russia
14:50~15:10	中国の、そして、東アジアの織物輸出への NAFTA と他の通商政策の効果 Effects of NAFTA and Other Trade Policies on Chinese and East Asian Textile Exports Mikyung Lim ¹ , Moon W. Suh ² , LuAnn Gaskill ¹ 1. Department of Apparel, Housing & Resource Management, College of Liberal Arts & Human Sciences, Virginia Tech, Blacksburg, VA 24061 USA 2. Department of Textile and Apparel, Technology and Management, College of Textiles, North Carolina State University, Raleigh, NC 27695-8301 USA
15:10~15:30	クラスターの構成と中国織物と衣料産業の競争の激しい分析 -- Zhejiang 州のケース The Formation of Clusters and Competitive Analysis of China Textile and Apparel Industry --- Cases in Zhejiang Province GU Qingliang and GU Tongyu Department of Marketing, Glorious Sun School of Business and Management, Donghua University, Shanghai 200051, China
15:30~15:50	Coffee break
15:50~16:10	商業最終生産物開発があるデジタルインスピレーション Correlating Digital Inspirations with Commercial End-Product Development Elaine Polvinen Buffalo State College, Buffalo, New York, USA
16:10~16:30	成否は糸にかかっている

	<p>Success or Failure Hangs by a Thread <u>John T. Smith</u> JTS International Consultancy, Textile Institute International Events, UK</p>
16:30~16:50	<p>繊維シフト--傾向として現れること Fibre Shift – Emerging Trends <u>Bharat Desai</u> Polyester Sector, Reliance Industries Limited, India</p>
16:50~17:10	<p>米国-中米自由貿易協定の新しい通商政策：それは、新しい機会かそれとも別の脅威ですか？ New Trade Policy of US-Central America Free Trade Agreement: Is it a New Opportunity or Another Threat? Dr. Hyunjoo Oh¹, Dr. Kitty Dickerson¹ and Jae-Ok Park² 1Department of Textile Apparel Management, University of Missouri-Columbia, USA 2Department of Clothing & Textiles, Hanyang University, South Korea</p>

May 26th Room A Section 2 Textile Processing and Properties

9:00~9:20	<p>セグメントポリウレタンに基づく通気性フィルムを通る水蒸気伝播 The Water Vapor Transmission through Breathable Films Based on Segmented Polyurethanes <u>Zuo Lan</u> and Chen Dajun State Key Lab of Fiber Material Modifications, Donghua University, Shanghai, 200051, China</p>
9:20~9:40	<p>気持ちよい要素 木から得られたホーム織物 Feel Good Factor: Home Textiles Derived from Wood <u>K. Christian Schuster</u>, Heinrich Firgo, Fritz Haussmann and Johann Männer Lenzing AG, Dept. of Textile Innovation, A-4860 Lenzing, Austria</p>
9:40~10:00	<p>簡単な試験で織物の特性を曲げる測定する簡便法 A Simple Method to Measure Bending Properties of Fabrics by Simple Testing <u>DU Zhaoqun</u> and YU Weidong College of Textiles, Donghua University, Shanghai 200051, China</p>
10:00~10:20	<p>個々の Core and Sheath 部品の構造分析と DREF-III 系の引張性質におけるそれらの貢献 Structural Analysis of Individual Core and Sheath Components and Their Contribution in Tensile Properties of DREF-III Yarn <u>A. Das</u>, S. M. Ishtiaque Department of Textile Technology□Indian Institute of Technology□Hauz Khas, New Delhi – 110 016, India</p>
10:20~10:40	Coffee break
10:40~11:00	<p>ノリつけにおける、Polyacrylic サイズ混合物の厚肉現象の研究 The Research of the Thickening Phenomenon of the Polyacrylic Size Mixture in Sizing <u>ZHANG Bin</u>¹, WU Hanlian² and ZHOU Yongyuan¹ 1 College of Textiles, Donghua University, Shanghai 200051, China 2 College of Textiles, Xian'an University of Engineer Science & Technology, Xi'an 710048, China</p>
11:00~11:20	<p>Ramin ファイバーの剛性の測定法 The Measurement Method of Ramin Fiber Rigidity <u>ZHANG Shangyong</u> Wuhan University of Science & Engineering, Wuhan, China</p>
11:20~11:40	<p>知的な下着を経て防護衣を通過する危険なガス透過の Colorimetric 識別 Colorimetric Identification of Dangerous Gas Penetration Through Protective Clothes Via Intelligent Underwear <u>Martina Viková</u>¹, Jiří Slabotinský², Michal Vik¹ and Milena Musilová² 1 External Relation of Textile Faculty, Laboratory Colour and Appearance Measurement, Technical University of Liberec, CZ-461 17 Liberec, Czech Republic 2 National Institute Nuclear, Chemical and Biological Protection, Czech Republic</p>
11:40~12:00	<p>織物の Prickle の評価：ラミー繊維における軸圧縮曲げ試験 Evaluation of the Prickle of Fabrics: Axial Compression Bending Tests on Ramie Fibers <u>LIU Yuqing</u> and YU Weidong College of Textiles, Donghua University, Shanghai 200051, China.</p>

May 26th Room B Section 2 Textile Processing and Properties

9:00~9:20	<p>環境走査電子顕微鏡を使用する生体高分子繊維のダイナミック特性 Dynamic Characterisation of Biopolymer fibres Using Environmental Scanning Electron Microscope <u>Q.F. Wei</u>¹², X.Q.Wang¹, R.R.Mather² and A.F.Fotheringham²</p>
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Oral Presentation List

	Anhui University of Technology and Science, Wuhu 241000, China Heriot-Watt University, Galashiels TD1 3HF, UK
9:20~9:40	模擬高度状態の下における繊維材料が影響を及ぼす温度と圧力の組み合わせの微細孔膜とポリエステルを通る水蒸気転送 Water Vapor Transfer through Microporous Membranes and Polyester Textile Materials under Simulated Altitude Conditions- Influence of Combinations of Temperature and Pressure T. Fukazawa ¹ , Y. Tochihara ¹ and T. Tamura ² 1. Takako Fukazawa, Faculty of Design, Kyushu University, Fukuoka, JAPAN 2. Teruko Tamura, Department of Home Economics, Bunka Women's University, Tokyo, Japan
9:40~10:00	繊維集合体とそれらの浮力体のバルク密度 The Bulk Density of Fibrous Assemblies and Their Buoyancy XIAO Hong ¹ , YU Weidong ¹ and SHI Meiwu ² 1. College of Textiles, Donghua University, Shanghai 200051, China 2. The Quartermaster Research Institute of the General Logistics Department of the CPLA, Beijing 100088, China
10:00~10:20	解析紡績法における、Taguchi の方法の有効性 Effectiveness of Taguchi's Method in Analyzing Spinning Process K.R. Salhotra, S.M. Ishtiaque, and Akshay kumar Department of Textile Technology, Indian Institute of Technology, Hauz Khas, New Delhi -110 016, India
10:20~10:40	Coffee break
10:40~11:00	Nu-Torque™ シングルリング精紡糸を使用するのによるデニム織物外観の改良のための方法 A Method for the Improvement of Denim Fabric Appearance by Using Nu-Torque™ Singles Ring Spun Yarns T. Hua, K.P.S. Cheng, X.M. Tao, K.F. Choi, S.K. Wong, K.K. Wong, B.G. Xu, C.M. Murrells, K. Yang and C.L. Leung Institute of Textiles & Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China
11:00~11:20	Polyacrylic サイズの中で正確に残留単量体の量を測定するための滴定法における改正 Revision on the Titration Method for Accurately Measuring the Amounts of Residual Monomers within Polyacrylic Sizes ZHU Zhifeng ¹ , YU Cuiyun ² , YU Jie ¹ and QIAN Kun ¹ The National Test Center for Warp Sizes, Colleges of Textiles and Garments, Southern Yangtze University, Wuxi 214063, China
11:20~11:40	綿と COTTOB/PES 織物のしわ回復 Wrinkle Recovery of Cotton and COTTOB/PES Fabrics J. Frydrych ^{1,2} and M. Matusiak ¹ 1. Institute of Textile Architecture, 90-950 Lodz, Poland 2. Technical University of Lodz, 90-543 Lodz, Poland
11:40~12:00	玄武岩繊維の化学分解 Chemical Degradation of Basalt Fibers J. Militký, J. Zeisbergerová and V. Kovačič Dept. of Textile Materials, Textile Faculty, Technical University of Liberec, Halkova street No.6, 461 17 Liberec, Czech Republic
12:00~12:20	黄麻とケナフの微生物精練のファクターとメカニズム Jute & kenaf Microorganism Degumming Influencing Factors and Mechanism Research ZHENG Lajiu ^{1,2} , DU Bing ² , LIU Jianyu ² and HUANG Xiubao ¹ 1. College of Textiles, Donghua University, Shanghai 200051, China 2. Department of Textile Engineering, Dalian Institute of Light Industry, Dalian 116034, China

May 26th Room C Section 2 Textile Processing and Properties

9:00~9:20	中国西部牧草地域の原毛の繊維直径プロフィールの特性 Characteristics of Fibre Diameter Profiles of Raw Wool in China Western Pasturing Area WEI Li, HUANG Xiubao College of Textiles, Donghua University □ Shanghai 200051, China
9:20~9:40	陰イオン系織物の測量法と新製品の開発 Study on the Measurement Method of Anion Textile and Development of New Products Yuehua Chen, Xianhong Meng, Shibin Yang College of Textiles, Donghua University, Shanghai, 200051, China
9:40~10:00	異なった紡績システムを表すステープルヤーンについて歪速度と標点距離の歪 応力特性への影響

	<p>The Influence of Strain Rate and Gauge Length on the Stress-Strain Characteristics of Staple Yarns Representing Different Spinning Systems S. M. Ishtiaque, <u>R. S. Rengasamy</u>, Anindya Ghosh and A. Patnaik Department of Textile Technology, Indian Institute of Technology, Hauz Khas, New Delhi-110016, India</p>
10:00~10:20	<p>中国からの商業カシミア織物と生産の他の起源の柔軟性その他の繊維属性 Softness and Other Fibre Attributes of Commercial Cashmere Textiles from China and Other Origins of Production B. A. McGregor¹ and R. Postle² 1 Dept of Primary Industry, Melbourne, Australia 2 School of Chemistry, University of New South Wales, Sydney 2052 Australia</p>
10:20~10:40	Coffee break
10:40~11:00	<p>ロールドラフトのバンドル流れ力学の原理とバンドル肉厚の不規則 Fundamentals of Bundle Flow Dynamics in Roll Drafting and Irregularities of Bundle Thickness You Huh, <u>Jong S. Kim</u> Department of Mechanical and Industrial Systems Engineering, College of Advanced Technology, Kyung Hee University, Yongin-Si, Korea</p>
11:00~11:20	<p>PTT と他の弾性繊維の弾性の比較 Comparison of Elasticity of PTT and Other Elastic Fibers <u>Fumei Wang</u>, Jingge Li, Xiongying Wu, Hui Li College of Textiles, Donghua University□Shanghai 200051, China</p>
11:20~11:40	<p>輪郭のための保形の材料の塗布への調査 ボディシェイプコントロールとサポートを提供することができる衣類 An Investigation into the Application of Shape Retention Materials for Contour Garments that can Provide Bodyshape Control and Support <u>Xiaomeng Liang</u>¹, David Morris¹, Robert Chen² and Jinsong Shen³ 1. The Department of Contour Fashion, Art & Design Faculty, The Gateway, De Montfort University, Leicester, LE1 9BH□UK 2. Design and Manufacture, Graduate Centre, Art & Design Faculty, The Gateway, De Montfort University, Leicester, LE1 9BH□UK 3. Textile Engineering and Manufacture Research Group, Art & Design Faculty, The Gateway, De Montfort University, Leicester, LE1 9BH□UK</p>
11:40~12:00	<p>シロスパン系の機械的性質 Mechanical Properties of Sirospun Yarn <u>He Jihuan</u>¹, Yu Jianyong², Pan Ning³, Li Weiru², Wang Shanyuan² 1 Center of Physics of Fibrous Materials, College of Science, Donghua University, Shanghai 200051, China 2 College of Textiles, Donghua University, Shanghai, 200051, China 3 California University, Davis, USA</p>

May 26th Room D Section 3 Chemical Treatment & Technology

9:00~9:20	<p>Poly(エチレンテレフタレート)のエキシマレーザー誘起表面移植修飾 Excimer Laser-Induced Surface Graft Modification of Poly (ethylene terephthalate) <u>ZHU Min</u>¹, ZHOU Xiang¹ and LOU Qihong² 1. College of Chemistry and Chemical Engineering, Dong Hua University, 1882 West Yan'an Rd., Shanghai 200051, China 2. Shanghai Institute of Optics and Fine Mechanics, The Chinese Academy of Sciences, Shanghai 201800, China</p>
9:20~9:40	<p>布仕上のためのペルフルオロアルキルを含む化合物と多機能のグループの合成 Synthesis of Compounds Containing Perfluoroalkyl and Multifunctional Groups for Textile Finishing <u>Shao Hui</u>, Meng Weidong, Zuo Liangbin, Zheng Xing and Qing Fengling College of Chemistry and Chemical Engineering, Donghua University, Shanghai 200051, China</p>
9:40~10:00	<p>環境に優しい織物染色のためのバクテリアの顔料 Bacterial Pigments for Eco-Friendly Textile Dyeing <u>Vigneshwaran, N.</u>, Saxena, S., Kathe, A.A., Gayal, S.G., Balasubramanya and R.H. Chemical and Biochemical Processing Division, Central Institute for Research on Cotton Technology, Matunga Mumbai - 400019, India</p>
10:00~10:20	<p>織物溶出液 Decolourisation の現状と将来の見解 Current Situation and Future Perspectives of Textile Effluent Decolourisation <u>G.M.B. Soares</u>¹, T.M. Miranda¹, A.M.F. Oliveira-Campos², R. Hrdina⁴, M. Costa-Ferreira³ and M.T. Pessoa Amorim¹ 1. Department of Textile Engineering, University of Minho, 4800- Guimarães, Portugal</p>

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	<p>2. IBQF, Departement of Chemistry, University of Minho, 4710-320 Braga, Portugal 3. Bioengineering and Bioprocessing Unit, Department of Biotechnology, National Institute for Industrial Engineering and Technology (INETI) Est., Lisbon, Portugal 4. Department of Organic Technology, University of Pardubice, Pardubice, Czech Republic</p>
10:20~10:40	Coffee break
10:40~11:00	<p>様々な状態の臨界超過二酸化炭素の普通の重合体類の形態的变化 Morphological Changes of Usual Polymers in Supercritical Carbon Dioxide under Various Conditions <u>K. Hirogaki</u>, I. Tabata, and T. Hori Graduate School of Engineering, UNIVERSITY OF FUKUI, Fukui 910-8507, Japan</p>
11:00~11:20	<p>蒸気爆砕による羊毛繊維の修飾 Modification of Wool Fiber by Steam Explosion <u>XU Weilin</u>, <u>KE Guizhen</u> Wuhan Institute of Science and Technology, Wuhan 430073, China</p>
11:20~11:40	<p>超臨界炭酸ガス流状からのファイバーへの官能性化合物の吸着/固定 Sorption/Fixation of Functional Compounds into Fibers from supercritical carbon dioxide fluid <u>Teruo Hori</u>, Shinobu Miyagawa, Xi Zhao and Isao Tabata Graduate School of Engineering, University of Fukui, Fukui 910-8507, Japan</p>
11:40~12:00	<p>鑄鉄分散青 79 が媒質として臨界超過二酸化炭素を使用しているベットの織物の染め Dyeing of PET Fabric with C.I. Disperse Blue 79 Using Supercritical Carbon Dioxide as the Medium <u>HOU Aiqin</u> and DAI Jinjin National Engineering Research Center for Dyeing and Finishing of Textiles, Donghua University, Shanghai 200051, China</p>
12:00~12:20	<p>水の中の TiO₂ ナノ粒子の分散 Study on the Dispersivity of TiO₂ Nanoparticles in Water <u>Hongying YANG</u>, <u>Sukang ZHU</u> College of textiles, Donghua University, Shanghai, 200051, China</p>

May 26th Room E Section 5 Technical Textiles

9:00~9:20	<p>ポリエチレン/ポリエチレン複合材積層の損傷伝搬の数値シミュレーションのための準三次元モデル A Quasi-3-dimensional Model for Numerical Simulation of Damage Propagation in PE/PE Composite Laminates <u>ZHUANG Xingmin</u>, <u>YAN Xiong</u> College of Textiles, Donghua University, Shanghai 200051, China</p>
9:20~9:40	<p>ノンウーブンベースの手術衣のエイジング特性 The Influence of Ageing over the Properties of Nonwoven-based Surgical Gowns <u>M. J. Abreu</u>¹, <u>M. E. Cabeco-Silva</u>¹, <u>L. Schacher</u>² and <u>D. C. Adolphe</u>² 1. Universidade do Minho, Department of Textile Engineering, Campus de Azurem 4810-058 Guimarães, Portugal 2. Ecole Nationale Supérieure des Industries Textiles de Mulhouse, 11 rue Alfred Werner - 68093 Mulhouse Cedex - France</p>
9:40~10:00	<p>大きい一軸変形下でのステンレスのワイヤメリヤスの伝導メカニズムのモデリング Modeling of Stainless Wire Knitted Fabric Conducting Mechanism Under Large Uniaxial Deformation <u>ZHANG Hui</u>¹, <u>TAO Xiaoming</u>² and <u>WANG Shanyuan</u>¹. College of Textiles, Donghua University, Shanghai 200051, China Institute of Textile and Clothing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong China</p>
10:00~10:20	<p>疎水性の繊維を含む不織布の液体浸透への織物構造の影響 The Influence of Fabric Structure on Liquid Penetration in Nonwoven Fabrics Containing Hydrophobic Fibres <u>N. Mao</u>□<u>S. J. Russell</u> Nonwovens Research Group□Department of Textile Industries□University of Leeds, Leeds LS2 9JT, UK</p>

May 26th Room E Section 2 Textile Processing and Properties

10:20~10:40	Coffee break
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10:40~11:00	62E のコーマにおけるプロセス特性のニッパーの駆動機構の研究 Research of Process Characteristics on Driving Mechanisms of Nipper on E62 Comber <u>Ren Jiazhi</u> ¹ , Yu Chongwen ² and He Jianxin ¹ 1. Department of Textile Technology, Zhongyuan Institute of Technology, Zhengzhou 450007, China 2. College of Textiles, Donghua University, Shanghai 200051, China
11:00~11:20	静電気の梳毛技術の研究：静電気の影響 繊維への負荷と変形による電気特性 Study of Electrostatic Carding Technology: Influence of the Electrostatic Electricity on Fiber Loading and Fiber Transformation <u>Kuo-Ting Kao</u> , Wen-Hao Hsing, Jia-Horng Lin, Yi-Ting Shu and Ching-Wen Lou Laboratory of Fiber Application and Manufacturing, Institute of Textile Engineering, Feng Chia University, Taichung 40724, Taiwan, China
11:20~11:40	上腕部ですり減った織物の査定 Assessment of Fabrics Worn on the Upper Limbs <u>John Williams</u> and Angela Davies TEAM Research Group, De Montfort University, The Gateway, Leicester LE1 9BH, UK
11:40~12:00	超音波/H2o2 の組み合わせを使用する反応染料の脱色 Decoloration of Reactive Dyes Using Combination of Ultrasound/H2o2 SIMONA VAJNHANDL, ALENKA MAJCEN LE MARECHAL, BOJANA VONČINA University of Maribor, Faculty of Mechanical Engineering, Smetanova 17 2000 Maribor, Slovenia

May 26th Room F Section 8 IT Application in Apparel & Textiles

9:00~9:20	染め問題の自動化された診断 An Automated Diagnosis of Dyeing Problems R. Shamey ¹ and T. Hussain ² 1. Polymer & Color Chemistry Program, Textile Engineering, Chemistry & Science Department, North Carolina State University, Raleigh NC 27695-8301, USA 2. School of Textiles and Design, Heriot Watt University, Netherdale Galashiels, Selkirkshire, TD1 3HF, UK
9:20~9:40	光映像分析に基づく織物ベースのピリングの評価 Evaluation of Fabric Pilling Based on Light Projected Image Analysis <u>CHEN Xia</u> , HUANG Xiubao College of Textiles, Donghua University, Shanghai 200051, China
9:40~10:00	織物しわの品位のコンピュータビジョン査定 Computer Vision Assessment of Fabric Wrinkle Grade <u>YANG Xiaobo</u> , BU Honggang, HUANG Xiubao College of Textiles, Donghua University, Shanghai 200051, China
10:00~10:20	ソフトコンピューティングのテクニックを使用することによって、ノンウブンの構造パラメータと特性との関係のモデル化 Modeling the Relationship between the Structural Parameters and Properties of Nonwovens by Using Soft Computing Techniques <u>Ting CHEN</u> ¹ , Ludovic KOEHL ² , Philippe VROMAN ² and Xianyi ZENG ² 1. College of Textiles, Donghua University, Shanghai 200051, China 2. Ecole Nationale Supérieure des Arts et Industries Textiles, Roubaix, 59100, France
10:20~10:40	Coffee break
10:40~11:00	ニット品の Open Width Processing--挑戦と解決 Open Width Processing of Knit Goods – Challenges and Solutions <u>Jürgen Ströhle</u> ¹ , C.N. Guruprasad ² 1. Benninger Co. Ltd., Switzerland 2. Benninger Co. Ltd., India
11:00~11:20	シミュレーションの衣服の動的な機械挙動のためのデジタル技術設計システム A Digital Engineering Design System for Simulating Clothing Dynamical Mechanical Behavior <u>WANG Ruomei</u> , LI Yi, DAI Xiaoqun and ZHOU Xiaoning Institute of Textile and Clothing, Hong Kong Polytechnic University, Hung Hom, kowloon, Hong Kong, China
11:20~11:40	温度敏感なポリウレタンのミクロ組織と水蒸気透過性 Microstructure and Water Vapor Permeability of Temperature-Sensitive Polyurethane <u>X. M. Ding</u> ¹ , J. L. Hu ² , X. M. Tao ² , C. P. Hu ³ and G. Y. Wang ³ 1. Fashion Art & Design Institute, Donghua University, Shanghai 200051, China 2. Institute of Textiles and Clothing, The Hong Kong Polytechnic University, Hong Kong, China 3. Institute of Material Science and Engineering, East China University of Science and Technology, Shanghai

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	200051, China
11:40~12:00	人工神経回路網との糸ブレンド比の計測と処理のための研究 Research for the Measurement and Treatment of Yarn Blend Ratio with Artificial Neural Network B.J Xu and B. Dong College of Textile and Garment, Southern Yangtze University, Wuxi 214063, China

May 26th Room G Section 7 Trade, Economics, Management and Education

9:00~9:20	台湾衣料産業における、製造実行システムの応用 The Application of Manufacturing Execution System in Taiwan Apparel Industry G.T. Jou, F.L. Chen, K.W. Huang and M.C. Hu Department of Testing and Evaluation, Textile Institute of Taiwan, Taipei County 236, Taiwan China
9:20~9:40	衣服品質の消費者評価への原産国情報の効果 Effect of Country of Origin Information on Consumer Evaluation of Clothing Quality H.D. Rowe and J.E. Ruckman Department of Clothing Design and Technology, Manchester Metropolitan University, Manchester M14 6HR, UK
9:40~10:00	イギリスの織物の路線変更--教育はどのように応じるべきですか? The Changing Face of the UK Textiles – How Should Education Respond? John Pearson and P L Squires Department of Textiles, University of Huddersfield, Queensgate, Huddersfield, HD1 3DH, UK
10:00~10:20	ソックス編み機保守費の一般生産費への効果 Effect of Sock Knitting Machine Maintenance Costs on General Production Costs Erkan ISGOREN and Mehmet AKALIN Marmara University, Turkey
10:20~10:40	Coffee break
10:40~11:00	米国織物と衣服セクターにおける戦略の変態 Strategic Transformation in the US Textile and Apparel Sector Peter Kilduff, Yonghai Hou and Carl Priestland Department of Textile Products Design & Marketing, University of North Carolina at Greensboro, Greensboro NC 27402, USA
11:00~11:20	繊維シフト--傾向として現れること Fibre Shift – Emerging Trends Bharat Desai Polyester Sector, Reliance Industries Limited, India