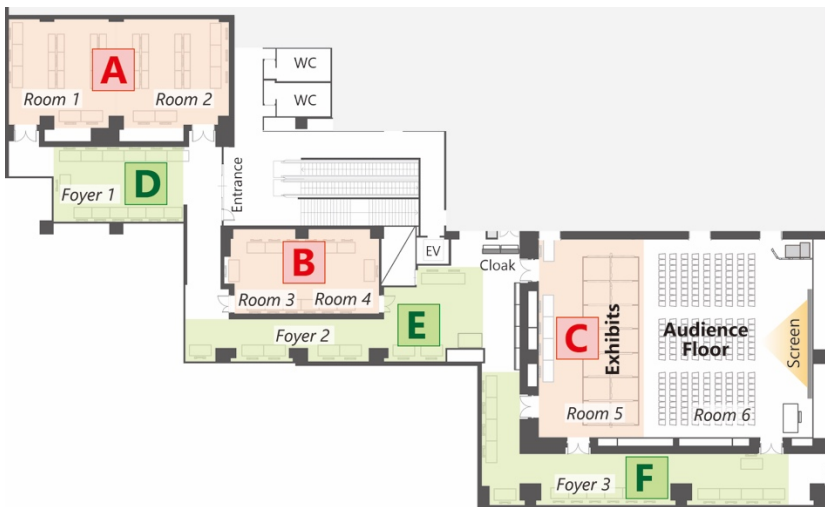


# AsiaHaptics 2016 Demonstration Schedule

DATE	TIME	DESCRIPTION	PLACE
<b>30th, Nov, 2016</b>	10:00-11:30	Live Presentation Session 1	Room 6
	11:30-13:15	Demonstration Core Time Session 1 / Company Exhibition	Zoon A-F
	15:30-17:00	Live Presentation Session 2	Room 6
	17:00-18:45	Demonstration Core Time Session 2 / Company Exhibition	Zoon A-F
<b>1st, Dec, 2016</b>	13:30-15:00	Live Presentation Session 3	Room 6
	15:00-16:45	Demonstration Core Time Session 3 / Company Exhibition	Zoon A-F

## Floor Guide (Zoon A-F)



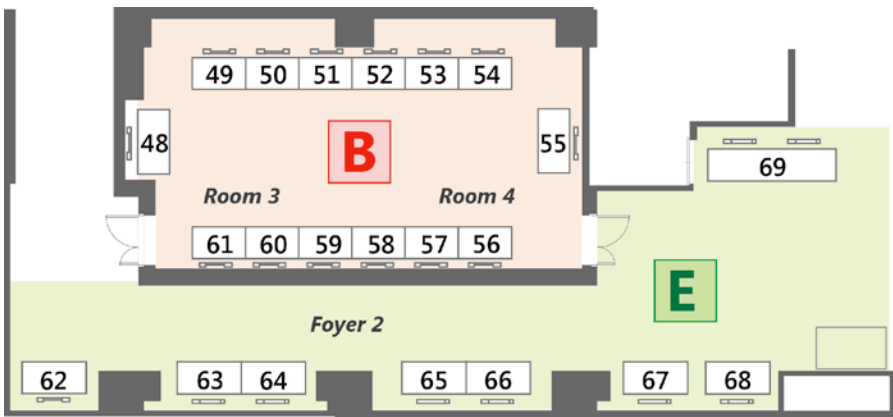
**Kashiwa-no-ha Conference Center, 2<sup>nd</sup> Floor**

# BOOTH LAYOUT

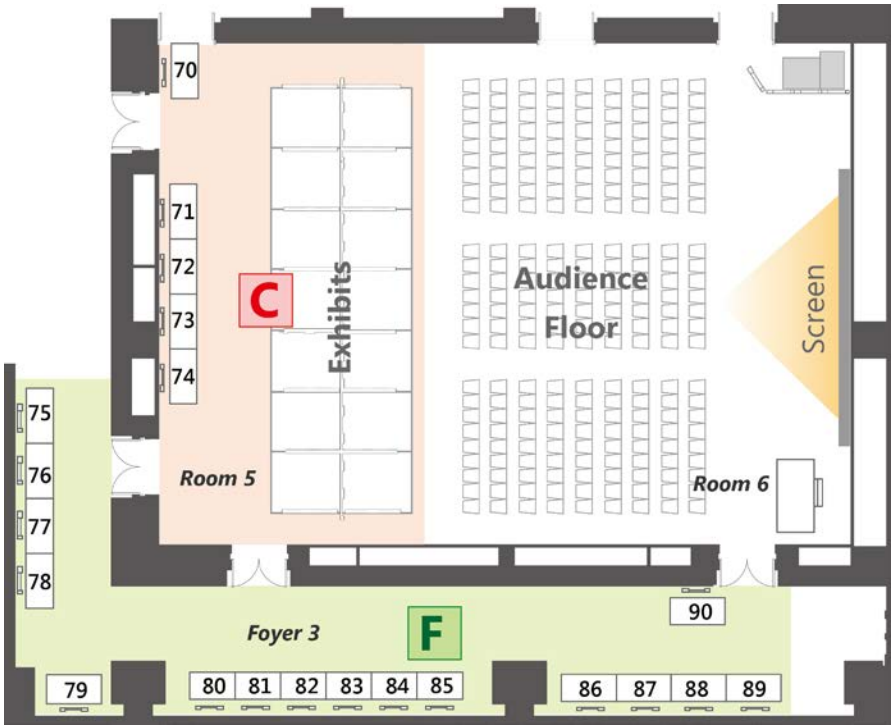
## ZONE A and D (Room 1&2, Foyer 1)



## ZONE B and E (Room 3&4, Foyer 2)



**ZONE C and F (Room 5, Foyer 3)**



# COMMERCIAL EXHIBITORS

## ZONE C (Room 5)



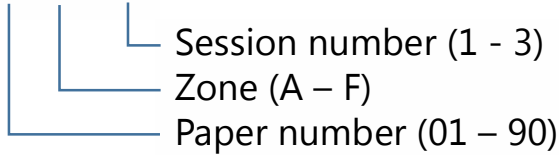
I-01C	I-14C
I-02C	I-13C
I-03C	I-12C
I-04C	I-11C
I-05C	I-10C
I-06C	I-09C
I-07C	I-08C



# LIVE PRESENTATION PROGRAM

## Paper ID rule

01A -1



## Session 1

November 30<sup>th</sup>

10:00-11:30: Live Presentation

11:30-13:15: Core Demonstration Time

Time	ID	Title & Authors
10:00	01A-1	Passive Haptics: Pulsive Damping Brake for Greater Impulse Perception <i>Takumu Okada, Shogo Okamoto, Yoji Yamada</i>
10:03	02A-1	Touching 2D Images Using Haptogram System <i>Georgios Korres, Mohamad Eid</i>
10:06	03A-1	Hybrid Haptic Texture Rendering Using Kinesthetic and Vibrotactile Feedback <i>Sunghwan Shin, Seungmoon Choi</i>
10:09	07A-1	A Cooking Support System with Force Visualization Using Force sensors and an RGB-D Camera <i>Nobuhiro Totsu, Sho Sakaino, Toshiaki Tsuji</i>
10:12	08A-1	Haptic Perception of 2D Digital Images <i>wenzhen yang, zhaona jiang, xing huang, xinli wu, zhichao zhu</i>
10:15	09A-1	Substituted Force Feedback using Palm Pressurization for a Handheld Controller <i>Taku Nakamura, Shota Nemoto, Takumi Ito, Akio Yamamoto</i>
10:18	13A-1	HapStep: A Novel Method to Sense Footsteps while Remaining Seated using Longitudinal Friction on the Sole of the Foot <i>Ginga Kato, Yoshihiro Kuroda, Kiyoshi Kiyokawa, Haruo Takemura</i>

10:21	14A-1	Basic Study on Motor Ability Evaluation and Training System Using Virtual Collision Avoidance <i>Takuya Makishima, Masaki Orimoto, Masamichi Sakaguchi</i>
10:24	15A-1	A Smart Cushion System with Vibrotactile Feedback for Active Posture Correction <i>Karlos Ishac, Kenji Suzuki</i>
10:27	31A-1	Thermal-Radiation-Based Haptic Display - Calibration and Shape display - <i>Satoshi Saga</i>
10:30	32A-1	3DOF Multitouch Haptic Interface with Movable Touchscreen <i>Shun Takanaka, Hiroaki Yano, Hiroo Iwata</i>
10:33	35D-1	Training on muscle palpation using artificial muscle nodule models <i>Kaoru Isogai, Shogo Okamoto, Asuka Noda, Ayumi Matsuzawa, Yoji Yamada</i>
10:36	38D-1	Virtual Two-Finger Haptic Manipulation Method <i>Alfonso Balandra, Virgilio Gruppelaar, Hironori Mitake, Shoichi Hasegawa</i>
10:39	41D-1	A Design of a New Electro Tactile Beat Module <i>Won-Hyeong Park, Sang-Youn Kim, Kunyun Kim, Tae-Heon Yang</i>
10:42	44D-1	Multi-Electrodes-based Electrostatic Tactile Display <i>Hirobumi Tomita, Satoshi Saga, Hiroyuki Kajimoto</i>
10:45	47D-1	Measurement of Stickiness with a Pressure Distribution Sensor <i>Takayuki Kameoka, Akifumi Takahashi, Yem Vibol, Hiroyuki Kajimoto</i>
10:48	48B-1	A Haptic Watch for Presenting Time on the Wrist Using Vibrotactile Cues <i>Naqash Afzal, Dangxiao Wang, Yuru Zhang</i>
10:51	51B-1	A novel 3RRS wearable fingertip cutaneous device for virtual interaction <i>Francesco Chinello, Claudio Pacchierotti, Monica Malvezzi, Domenico Prattichizzo</i>
10:54	54B-1	High-quality texture display: The Use of Vibrotactile and Variable friction Stimuli in Conjunction <i>Ken Ito, Shogo Okamoto, Hatem Elfekey, Yoji Yamada</i>

10:57	57B-1	A fast update approach of a stiffness matrix for a multi-rate finite element deformation simulation <i>Ryo Kuriki, Kazuyoshi Tagawa, Hiromi Tanaka</i>
11:00	60B-1	Touchscreen Interaction on Automultiscopic Display with Electrostatic Vibration <i>Jin Ryong Kim, Seunghyup Shin</i>
11:03	62E-1	Haptic Directional Instruction System for Sports <i>Ryoichiro Shiraishi, Koya Sato, Yuji Sano, Mai Otsuki</i>
11:06	64E-1:	Relax and Tighten - A Haptics-based Approach to Simulate Sphincter Tone Assessment <i>Alejandro Granados, Luc Maréchal, Alastair Barrow, George Petrou, Fernando Bello</i>
11:09	66E-1	Object Manipulation by Hand with Force Feedback <i>Shunsuke Fujioka, Takao Utiyama, Kazuyoshi Tagawa, Koichi Hirota, Takuya Nojima, Katsuhito Akahane, Makoto Sato</i>
11:12	68E-1	Prostate Tumor Palpation Simulator Based on Pneumatic and Augmented Haptics <i>Aishwari Talhan, Seokhee Jeon</i>
11:15	76F-1	Hybrid Focus Using 70 kHz and 40 kHz Ultrasound in Mid-air Tactile Display <i>Mitsuru Ito, Daisuke Wakuda, Yasutoshi Makino, Hiroyuki Shinoda</i>
11:18	79F-1	A Tool for Collecting and Designing Haptic Experiences <i>Mina Shibasaki, Youichi Kamiyama, Kouta Minamizawa</i>
11:21	82F-1	A novel multimodal tactile module that can provide vibro-thermal feedback <i>Masashi Nakatani, Katsunari Sato, Kunio Sato, Yuzuru Kawana, Daisuke Takai, Kouta Minamizawa, Susumu Tachi</i>
11:24	85F-1	An Immersive Visuo-Haptic VR Environment with Pseudo-Haptic Effects on Perceived Stiffness <i>Daichi Matsumoto, Ya Zhu, Yuya Tanaka, Kyosuke Yamazaki, Keisuke Hasegawa, Yasutoshi Makino, Hiroyuki Shinoda</i>
11:27	88F-1	Signal and Power Transfer to Actuators Distributed on Conductive Fabric Sheet for Wearable Tactile Display <i>Yuki Tajima, Akihito Noda, Hiroyuki Shinoda</i>

## Session 2

November 30<sup>th</sup>

15:30–17:00: Live Presentation

17:00–18:45: Core Demonstration Time

Time	ID	Title & Authors
15:30	04A-2	Perceived Hardness by Tapping: The Role of a Secondary Mode of Vibration <i>Kosuke Higashi, Shogo Okamoto, Hikaru Nagano, Masashi Konyo, Yoji Yamada</i>
15:33	05A-2	Engaging Weight Feedback for Bimanual Interaction <i>Stuart Burmeister, Kimin Kim, Jinah Park</i>
15:36	06A-2	Reconsideration of Ouija Board Motion in Terms of Haptics Illusions (II) -Development of 1-DoF Linear Rail Device- <i>Takahiro Shitara, Yuriko Nakai, Haruya Uematsu, Vibol Yem, Hiroyuki Kajimoto, Satoshi Saga</i>
15:39	10A-2	Simultaneous Representation of Texture and Geometry on a Flat Touch Surface <i>Semin Ryu, Dongbum Pyo, Byung-Kil Han, Dong-Soo Kwon</i>
15:42	11A-2	Tactile Treasure Map: Integrating Allocentric and Egocentric Information for Tactile Guidance <i>Mariacarla Memeo, Victor Adriel de Jesus Oliveira, Luciana Nedel, Anderson Maciel, Luca Brayda</i>
15:45	12A-2	Relationship between Force Sensation and Stimulation Parameters in Tendon Electrical Stimulation <i>Akifumi Takahashi, Kenta Tanabe, Hiroyuki Kajimoto</i>
15:48	19A-2	Hanger Reflex of the Head and Waist with Translational and Rotational Force Perception <i>Yuki Kon, Takuto Nakamura, Michi Sato, Takashi Asahi, Hiroyuki Kajimoto</i>
15:51	20A-2	Towards Universal Haptic Library-- Library-Based Haptic Texture Assignment Using Image Texture <i>Waseem hassan, Arsen Abdulali, Seokhee Jeon</i>
15:54	21A-2	Turning Surfaces into Touch Panels: A Granite-Touch Pad <i>Hatem Elfekey, Shogo Okamoto</i>
15:57	25A-2	High frequency vibration on SAW tactile display <i>Masaya Takasaki, Fumiki Sato, Yuji Ishino, Daisuke Yamaguchi, Masayuki Hara, Takeshi Mizuno</i>



16:00	26A-2	Force your hand - PAM enabled wrist support <i>Swagata Das, Cassie Lowell, Yuichi Kurita</i>
16:03	27A-2	Whole Hand Interaction with Multi-finger Movement-based Vibrotactile Stimulation <i>Shota Iizuka, Hikaru Nagano, Konyo Masashi, Satoshi Tadokoro</i>
16:06	36D-2	PhysVib: Physically Plausible Vibrotactile Feedback Library to Collisions on a Mobile Device <i>Gunhyuk Park, Seungmoon Choi</i>
16:09	39D-2	Colorful tactile stimuli. Association between colors and tactile-display stimuli on Russel's psychological plane <i>Hikaru Hasegawa, Ken Itho, Shogo Okamoto, Hatem Elfekey, Yoji Yamada</i>
16:12	42D-2	Perception of Amputees for Haptic Feedback in 3D Printed Prosthetic Hand <i>Kashan Aqeel, Muhammad Noman Ashraf, Mudassir Ibrahim Awan, Muhammad Nabeel, Muhammad Khurram</i>
16:15	45D-2	Enhancement of Perceived Force from the Hanger Reflex on Head and Ankle by Adding Vibration <i>Takuto Nakamura, Hiroyuki Kajimoto</i>
16:18	49B-2	Proposal and Implementation of Non-Grounded Translational Force and Torque Display Using Two Vibration Speakers <i>Takeshi Tanabe, Hiroaki Yano, Hiroo Iwata</i>
16:21	52B-2	Initial progress toward surface morphable tactile interface <i>Seongcheol Mun, Sungryul Yun, Saekwang Nam, Seung Koo Park, Ki-Uk Kyung</i>
16:24	55B-2	Prototype Kinesthetic Illusory Device Using Combination of Active and Passive Motion <i>Hirokazu Minowa, Kentaro Baba, Masamichi Sakaguchi</i>
16:27	58B-2	An Empirical Study of Haptic-Audio Based Online Shopping System for the Blind <i>Eu Jin Wong, Kian Meng Yap, Jason Alexander, Abhijit Karnik</i>
16:30	61B-2	Natural Human Movements in Geometrically Constrained Haptic Environments <i>Igor Goncharenko, Mikhail Svinin, Victor Kryssanov</i>
16:33	67E-2	Development of a Sole Pressure Display <i>Tetsuhiro Okano, Keigo Hiki, Koichi Hirota, Takuya Nojima, Michiteru Kitazaki, Yasushi Ikei</i>

16:36	69E-2	Synesthesia Suit <i>Yukari Konishi, Nobuhisa Hanamitsu, Benjamin Outram, Youichi Kamiyama, Kouta Minamizawa, Ayahiko Sato, Tetsuya Mizuguchi</i>
16:39	71C-2	Basic Study of Scalable Autostereoscopic Display for Haptic Interaction in Mixed-Reality <i>Tadatoshi Kurogi, Hideaki Nii, Kazuya Yanagihara, Kouta Minamizawa, Susumu Tachi</i>
16:42	73C-2	Computer-created interactive 3D image with midair haptic feedback <i>Yuta Kimura, Yasutoshi Makino, Hroyuki Shinoda</i>
16:45	77F-2	Character Recognition by Flick Movements Presented on Fingers. <i>Kentaro Yoshida, Koji Tanaka, Keisuke Hasegawa, Yasutoshi Makino, Hiroyuki Shinoda</i>
16:48	81F-2	A finger sensor for sharing visual and tactile experience <i>Haruki Nakamura, Nobuhisa Hanamitsu, Junichi Kanebako, Kouta Minamizawa</i>
16:51	84F-2	Visuo-tactile Interaction with Virtual Objects that Yields Kinetic Effects on Real Objects <i>Kyosuke Yamazaki, Keisuke Hasegawa, Yasutoshi Makino, Hiroyuki Shinoda</i>
16:54	87F-2	Scalable Architecture for Airborne Ultrasound Tactile Display <i>Seki Inoue, Yasutoshi Makino, Hiroyuki Shinoda</i>
16:57	89F-2	Rubber hand illusion using tactile projector <i>Yuuki Horiuchi, Kazunori Odani, Yasutoshi Makino, Hiroyuki Shinoda</i>

## Session 3

December 1<sup>st</sup>

13:30–15:00: Live Presentation

15:00–16:45: Core Demonstration Time

Time	ID	Title & Authors
13:30	16A-3	Haplug: A Haptic Plug for Dynamic VR Interactions <i>Nobuhisa Hanamitsu, Ali Israr</i>
13:33	17A-3	Data-Driven Rendering of Anisotropic Haptic Textures <i>Arsen Abdulali, Seokhee Jeon</i>
13:36	18A-3	Hapbeat : Tension-based Wearable Vibroacoustic Device <i>Yusuke Yamazaki, Hironori Mitake, Minatsu Takekoshi, Yuji Tsukamoto, Tetsuaki Baba, Shoichi Hasegawa</i>
13:39	22A-3	Unplugged powered suit with pneumatic gel muscles <i>Chetan Thakur, Kazunori Ogawa, Kazunori Ogawa, Toshio Tsuji, Yuichi Kurita</i>
13:42	23A-3	A wearable haptic ring for the control of extra robotic fingers <i>Irfan Hussain, Giovanni Spagnoletti, Claudio Pacchierotti, Domenico Prattichizzo</i>
13:45	24A-3	An Adaptive Visuo-Haptic Game within the immersive environment <i>Cong Peng, Xiaoxiao Yang, Yuru Zhang, Dangxiao Wang</i>
13:48	28A-3	Stable Haptic Feedback Generation during Mid air Interaction Using Hidden Markov Model based Motion Synthesis. <i>Dennis Babu, Hikaru Nagano, Masashi Konyo, Hamada Ryunosuke, Satoshi Tadokoro</i>
13:51	29A-3	Motion-Based Augmented Broadcasting System with Haptic Feedback <i>Yeongmi Kim, Davud Sadikhov, Kaspar Leuenberger, Beomseuk Choi, Youngho Jeong, Matthias Harders, Roger Gassert</i>
13:54	30A-3	Encountered-type Visual Haptic Display Using MR Fluid <i>Hiroki Ohnari, Satoko Abiko, Teppei Tsujita</i>
13:57	33A-3	Perceiving Physical Attributes of Objects using an Electrostatic Tactile Display <i>Xiaoying Sun, Jian Chen, Guohong Liu, Hui Long</i>
14:00	34A-3	Comparison of Tactile Signals for Collision Avoidance on Unmanned Aerial Vehicles <i>Stefan Spiss, Yeongmi Kim, Simon Haller, Matthias Harders</i>

14:03	37D-3	Tactile Display Based on Skin-Propagated Vibration <i>Yasutoshi Takekawa, Tatsuya Hasegawa, Yoshihiro Tanaka, Kouta Minamizawa, Akihito Sano</i>
14:06	40D-3	Multi Degree-of-Freedom Successive Stiffness Increment Approach for High Stiffness Haptic Interaction <i>Harsimran Singh, Aghil Jafari, Jee-Hwan Ryu</i>
14:09	43D-3	On a Haptic Phenomenon by Combined Use of the Rubber Artificial Skin Layer with a Strain Gauge and the Tactile Contact Lens <i>Mitsuhito Ando, Motiyama Hiromi, Toshinobu Takei, Hideo Fujimoto</i>
14:12	46D-3	Experiments on Two-handed Localization of Impact Vibrations <i>Daniel Gongora, Hikaru Nagano, Masashi Konyo, Satoshi Tadokoro</i>
14:15	50B-3	Ferro-Fluid based Lightweight and Portable Tactile Display for Persuasive Tactile Cues including Orientation and Texture <i>Harsimran Singh, HyeonSeok Seong, Jee-Hwan Ryu</i>
14:18	53B-3	Haptic Perception of Macro Texture <i>Tao Zeng, Wenjing Chen, Nan Li, Liangzong He, Lantao Huang</i>
14:21	56B-3	Visual Haptic Interface by Using 2-DOF Indirect Haptic Interface <i>Takayuki Ishikawa, Hiroaki Yano, Hiroo Iwata</i>
14:24	59B-3	Development of a One-dimensional Lateral Tactile Display for the Sensation of Texture Using a Speaker Array <i>Seitaro Kaneko, Hiroyuki Kajimoto</i>
14:27	63E-3	Bimanual Haptic Simulator for Training Hand palpation and Lumbar puncture <i>Jose James, Bhavani Rao R</i>
14:30	65E-3	Sole Tactile Display using Tactile Illusion by Vibration on Toenail <i>Keisuke Sakai, Taku Hachisu, Yuki Hashimoto</i>
14:33	70C-3	HaptoCloneAR (Haptic-Optical Clone with Augmented Reality) for Mutual Interactions with Midair 3D Floating Image and Superimposed 2D Display. <i>Kentarō Yoshida, Takaaki Kamigaki, Seki Inoue, Keisuke Hasegawa, Yasutoshi Makino, Hiroyuki Shinoda</i>
14:36	72C-3	HapTONE: Haptic Instrument for Enriched Musical Play (II) - System Detail- <i>Kenta Tanabe, Akifumi Takahashi, Keisuke Hoshino, Daichi Ogawa, Taku Hachisu, Hiroyuki Kajimoto</i>

14:39	74C-3	Magnification-Changeable Haptic-Optical Clone <i>Ryota Arai, Yasutoshi Makino, Hiroyuki Shinoda</i>
14:42	75F-3	Simulating Texture Sensation of Textile using Thermal and Vibrotactile Stimulations <i>Katsunari Sato</i>
14:45	78F-3	Tactile Presentation using Mechanical and Electrical Stimulation <i>Vibol Yem, Sugarragchaa Khurelbaatar, Erika Oishi, Hiroyuki Kajimoto</i>
14:48	80F-3	Inducing Wrist Twist during Arm Swing by using Gyro Effect <i>Hirokazu Miyahara, Yasutoshi Makino, Hiroyuki Shinoda</i>
14:51	83F-3	VibGrip++ : haptic device allows feeling the music for hearing impaired people <i>Junichi Kanebako, Kouta Minamizawa</i>
14:54	86F-3	Mobile HapticAid: Wearable Haptic Augmentation System Using a Mobile Platform <i>Tomosuke Maeda, Keitaro Tsuchiya, Roshan Peiris, Yoshihiro Tanaka, Kouta Minamizawa</i>
14:57	90F-3	Expression of 2DOF Fingertip Traction with 1DOF Lateral Skin Stretch <i>Vibol Yem, Mai Shibahara, Katsunari Sato, Hiroyuki Kajimoto</i>