

# The 1st Joint World Congress of ISBS & ISDIS

May 7-10, 2008

Korea University, Seoul

<http://www.non-invasive2008.org>

## [Scientific Program]

THURSDAY 7 MAY 2008	
15:00	Registration Desk Open
18:00	Welcome Reception
THURSDAY 8 MAY 2008	
08:00	Registration Desk Open
<b>Session 1 : Molecular Imaging of Skin I</b>	
Chairman : Prof. Chilhwan Oh (Korea), Prof. Bob Imhof (UK)	
08:45 (15)	Opening Ceremony
<b>Invited Lecture A</b>	
09:00 (30)	<i>In-vivo</i> non-linear spectral microscopy of mouse skin Hans C. Gerritsen (The Netherlands)
09:30 (60)	The imaging of melanin distribution using multiphoton auto fluorescence decay curves Keiichi Sugata (Japan)
	Quantitative assessment of dermal extracellular matrix components by high resolution multiphoton tomography: in vivo double blind study of a cosmetic product F. Flament (France)
	Infrared spectroscopic imaging of molecular composition and structure during human corneocyte maturation David J. Moore (USA)
	Identification of skin cancers using confocal raman microscopy Jaebum Choo (Korea)
10:30 (30)	Morning Coffee Break / Poster & Exhibition Viewing
<b>Session 2 : Clinical Studies</b>	
Chairman : Prof. Heechul Eun (Korea), Prof. Howard Maibach (USA)	
<b>Invited Lecture B</b>	
11:00 (30)	Asian skin: characteristic of microrelief of photo-protected / photo-exposed sites and the crow's feet wrinkle Li Li (China)
11:30 (60)	OCT imaging of the dermal epidermal junction of perioral skin and lips from French caucasian and Japanese women Laurence Caisey (France)
	Sweat activity measured by skin impedance Christian Tronstad (Norway)
	Imaging of hair cuticle under traction test Fougere Maxime (France)
	Imaging of cellulite: a review Klaus-Peter Wilhelm (Germany)
12:30 (90)	Lunch (Young Il Ahn Hall, 6F) / Board Meeting
<b>Short Communications</b>	
14:00 (70)	Chairman : Prof. Gouyoung Koh (Korea), Dr. Martha Tate (USA)
15:10 (30)	Afternoon Coffee Break / Exhibition Viewing
<b>Session 3 : Cross-sectional Imaging (Confocal Microscopy, OCT and MRI)</b>	
Chairman : Prof. Daegab Gweon (Korea), Prof. Klaus Hoffmann (Germany)	
<b>Invited Lecture C</b>	
15:40 (30)	High resolution cross-sectional imaging of the skin: sonography, optical coherence tomography and magnetic resonance imaging modalities Stephan El Gammal (Germany)
16:10 (60)	New visualization and quantification of the internal skin elasticity by ultrasound imaging Osamu Osanai (Japan)
	B-spline based algorithm for the automatic detection of the dermal-epidermal junction on OCT images B. Querleux (France)
	<i>In vivo</i> and <i>in vitro</i> 4.7T MR Imaging using lenti Ef-1 $\alpha$ hftth transfection in skin tumor model Junhyung Kim (Korea)
	Development of multi-modal in-vivo confocal microscopy capable of reflectance, fluorescence and raman imaging Taejoong Kim (Korea)
17:10	Close of Day 1
18:30	Gala Dinner [Samcheonggak]

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FRIDAY 9 MAY 2008	
<b>Session 4 : Skin Color, Blood Flow and Vascular Functions</b>	
Chairman : Prof. <i>Mingi Kim</i> (Korea), Dr. <i>Nick Kollias</i> (USA)	
9:00	(30) <b>Image-based control of skin appearance</b> <i>Norimichi Tsumura</i> (Japan) <span style="float: right; background-color: #ff00ff; color: white; padding: 2px;">Invited Lecture D</span>
9:30	(60) <b>Obtain skin pigment concentration map from single color image</b> <i>Shuchang Xu</i> (China)
	<b>Study for matching method based on independent component analysis of skin using stereo images</b> <i>Jangseok Oh</i> (Korea)
	<b>Measurement of skin ashiness</b> <i>Zhi-xing Jiang</i> (USA)
	<b>Use of digital photography and image analysis techniques to quantify erythema in health care workers</b> <i>R. Randall Wickett</i> (USA)
10:30	(30) <b>Morning Coffee Break / Exhibition Viewing</b>
11:00	(90) <b>Poster Session</b>
12:30	(90) <b>Lunch</b> ( <i>Young Il Ahn Hall, 6F</i> )
<b>Session 5 : Molecular Imaging of Skin II</b>	
Chairman : Prof. <i>Jaebum Choo</i> (Korea), Dr. <i>Joachim Fluhr</i> (Germany)	
14:00	(30) <b>Confocal microscopy of skin cancers</b> <i>Milind Rajadhyaksha</i> (USA) <span style="float: right; background-color: #ff00ff; color: white; padding: 2px;">Invited Lecture E</span>
14:30	(60) <b>In vivo three-dimensional skin imaging for early cancer detection with a handheld dual-axes confocal fluorescence microscope</b> <i>W. Piyawattanametha</i> (USA)
	<b>In vivo molecular imaging of skin cancer with thymidine kinase-transfected cell in mice using nuclear medicine imaging system</b> <i>Jaeyoung Kim</i> (Korea)
	<b>Cosmetics applications of confocal raman microscopy</b> <i>Christophe Hadjur</i> (France)
	<b>Confocal raman studies of stratum corneum biochemistry as a function of age</b> <i>David Koenig</i> (USA)
15:30	(30) <b>Afternoon Coffee Break / Exhibition Viewing</b>
<b>Session 6 : Claims Support in Cosmetology and Pharmacology</b>	
Chairman : Prof. <i>Cheolheon Lee</i> (Korea), Prof. <i>R. Randall Wickett</i> (USA)	
16:00	(60) <b>The innovator's dilemma: biophysics and imaging of the skin. The CRO perspective</b> <i>Klaus-Peter Wilhelm</i> (Germany)
	<b>Non invasive strategies for claim substantiation of various antiaging skin care products</b> <i>Ward L. Billhimer</i> (USA)
	<b>SENSOSKIN : a reference frame for evaluating skin relief modifications</b> <i>Bervas Stéphanie</i> (France)
	<b>Sensory perception pattern is altered in sensitive skin</b> <i>Seong-Jin Kim</i> (Korea)
17:00	<b>Close of Day 2</b>
18:30	<b>Cruise Dinner [Han River]</b>

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SATURDAY 10 MAY 2008		
<b>Session 7 : Mechanical Properties (Friction and Elasticity)</b>		
Chairman : Prof. <i>Seunghun Lee</i> (Korea), Dr. <i>Bernard Querleux</i> (France)		
9:00	(30)	
<b>Invited Lecture F</b>		
<b>Biomechanics and tribology of the skin from nanoscale to macroscale</b> <i>Hassan Zahouani</i> (France)		
9:30	(60)	
		<b><i>In-vivo</i> exploration of the mechanical properties of human dermis with 2D high resolution elastography at 50 Mhz</b> <i>S.Gahagnon</i> (France)
		<b>Measurement of mechanical skin parameter by an air-flow device</b> <i>Eduardo Ruvolo</i> (USA)
		<b>In vivo viscoelasticity measurement of skin using dynamic indentation</b> <i>Boyer Gaëtan</i> (France)
<b>Skin friction and elasticity in young and aged persons</b> <i>Lutz-Christian Gerhardt</i> (Switzerland)		
10:30	(30)	
<b>Morning Coffee Break / Exhibition Viewing</b>		
<b>Session 8 : Skin Function (Barrier and Hydration)</b>		
Chairman : Prof. <i>Hachiro Tagami</i> (Japan), Prof. <i>P. Humbert</i> (France)		
11:00	(60)	
		<b><i>In-vivo</i> stratum corneum thickness and water diffusion coefficient measurements using opto-thermal radiometry and condenser-chamber TEWL method</b> <i>P Xiao</i> (UK)
		<b>Functional characteristics of the skin surface of children approaching puberty: age and seasonal influences</b> <i>H. Tagami</i> (Japan)
		<b>Kinetics of barrier reformation in stratum corneum following thermal perturbation: IR studies of lipid structural reorganization</b> <i>David J. Moore</i> (USA)
<b>A comparative study on the efficacy and safety of 308-nm excimer laser and targeted UVA/UVB phototherapy (Dualight®) in the treatment of vitiligo</b> <i>Ji-Hye Park</i> (Korea)		
12:00	(15)	
<b>Closing Remarks</b>		
12:15		
<b>Close of Day 3</b>		