



**WORLD CONGRESS OF THE International Society for Biophysics  
and Imaging of the Skin (ISBS)  
Emerging Measurements Meets The Cutting Edge In Medicine  
JUNE 2-4, 2014  
FOXWOODS PEQUOT RESORT  
MYSTIC, CT USA  
SCHEDULE OF EVENTS**

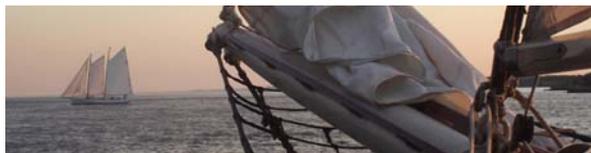
	June 2, 2014	Title	Presenting Author
Pre-Conference Workshop	8:30 AM	W01: Basics on mechanical and optical evaluation of the skin	Randy Wickett
	9:15 AM	W02: Non invasive methods for skin surface properties	Gary Grove
	10:00 AM	Coffee Break	
	10:30 AM	W03: Cross-sectional imaging methods	Bernard Querleux
	11:15 AM	W04: Guidelines for cosmetic studies	Klaus Wilhelm
	12:00 PM	Lunch	
	1:15 PM	Opening ceremony	
	1:30 PM	Invited Talk: Ethnicity and Aging	Howard Maibach
Session 1: Skin Physiology  Co-chairs: H. Maibach, S. Hawkins	2:20 PM	O01: Gender, Skin Type and Age Classification using Skin Reflectance-Based Descriptor	Wei Chen
	2:40 PM	O02: Dynamic response of human hair to a non-contact impact for different water contents according to ethnic origin	Juliette Jamart
	3:00 PM	O03: Epidermal barrier function in dogs: normal vs dermatologic disease	Charles Bradley
	3:20 PM	Coffee Break	
	3:50 PM	Invited Talk: Review on OCT of the Skin	Jannick Rolland
Session 2: Cross-sectional Imaging  Co-chairs: J. Rolland, KP Wilhelm	4:40 PM	O04: Human skin morphology monitoring with 22 and 75 MHz high frequency ultrasound in aesthetic dermatology practice	Artur Bezugly
	5:00 PM	O05: High-resolution OCT as a tool to measure stratum corneum thickness: development and validation	Elsa Jungman
	5:20 PM	O06: Non-invasive assessment by optical technology of human acellular dermal matrices processing	Frans Dhaenens
	5:40 PM	O07: Non-invasive in vivo imaging of dynamic inflammatory processes in the skin by reflectance confocal microscopy	Malou Peppelman
	7:00 PM	Welcome Reception	



	June 3, 2014	Title	Presenting Author
	8:30 AM	Invited Talk: Biophysics Basis of Laser Treatments	Stacy Hawkins
Session 3: Medical Applications - Dermatology and Beyond  Co-chairs: S. El Gammal, CH Oh	9:00 AM	O08: A human skin model of laser-ablated epidermis applied to the assessment of skin repair creams using instrumental methods	David Black
	9:20 AM	O09: Polymeric micellar nanocarriers: Improved chemical stability and enhanced skin deposition of anti-acne drugs	Sevgi Güngör
	9:40 AM	O10: Integrating Non-Invasive Biophysical Analysis and Multivariate Statistical Modeling into a Comprehensive Framework for Cutaneous Injury, Wound Healing, and Treatment Efficacy Analysis	John Azeke
	10:00 AM	O11: Multimodal Skin Imaging To Quantify Treatment Response in Infantile Hemangiomas	Marty Visscher
	10:20 AM	Break	
Poster Session	10:50 AM	Poster session Odd numbers: 10:50 - 11:40 AM Even numbers: 11:40 - 12:30 PM	
	12:30 PM	Lunch	
Session 4: Clinical Studies  Co-chairs: E. Braue, M. Tate	1:30 PM	O12: How to unravel the pathomechanism of sensitive skin. A systematic literature review	Renée Richters
	1:50 PM	O13: Polidocanol inhibits cowhage- but not histamine-induced itch in humans – further characterization of an experimental model of histamine-independent itch	Joachim Fluhr
	2:10 PM	O14: Modification of Skin Discoloration by Topical Treatments: the Effect of an Anti-oxidant	Neelam Muizzuddin
	2:30 PM	O15: Improved skin penetration and distribution of two antifungal compounds using new topical carriers	Meryem Sedef Erdal
	2:50 PM	Break	
	3:20 PM	Invited Talk: Tribology of Skin Adhesion	Hassan Zahouani
Session 5: Skin Surface Properties  Co-chairs: H Zahouani, B. Querleux	4:10 PM	O16: Assessment of skin surface roughness of 24 body sites - a validation study of a rapid in-vivo roughness measurement technique based on laser speckles	Tim Lee
	4:30 PM	O17: Development and Organization of Human Stratum Corneum After Birth	Joachim Fluhr
	4:50 PM	O18: Simultaneous measurement of epidermal barrier function with the new Triple-Tewameter Probe in healthy and atopic human volunteers	Joachim Fluhr
	5:10 PM	O19: Dynamic Drying Mechanics of Human Stratum Corneum and the Effects of Moisturization	Xue Liu
	5:30 PM	General Assembly	



	June 4, 2014	Title	Presenting Author
	8:30 AM	Invited Talk: Update in Multiphoton Microscopy of the Skin	Karsten König
Session 6: Microscopy Co-chairs: K König, J. Serup	9:20 AM	O20: Confocal Microscopy and Characterization of Mechanical Properties of Human Skin	Simon Tupin
	9:40 AM	O21: Control of nuclear deformability by lamins: implications for cancer cell invasion into skin-like tissue environments	Marina Krause
	10:00 AM	O22: Evaluation of RSDL and measurement of VX depth profiles in hairless guinea pig skin using confocal Raman microspectroscopy	Ernest Braue
	10:20 AM	O23: Nanoscale Infrared Spectroscopy and Imaging of Structural Lipids in Human Stratum Corneum Cross Sections	Curtis Marcott
	10:40 AM	Break	
Session 7: Clinical Studies II Co-chairs: N. Muizzuddin, J. Fluhr	11:10 AM	O24: The development and validation of Skin Damage Area and Severity Index to assess sliding induced skin injuries on artificial turf	Wilbert van den Eijnden
	11:30 AM	O25: A Retrospective Study Evaluating the Use of a Probiotic Combined with Zeaxanthine on Acne Lesions and Post Inflammatory Hyperpigmentation	Robert Frumento
	11:50 AM	O26: Effect of a Test Cream on Irritant Hand Dermatitis in Health Care Workers	Ward Billhimer
	12:10 PM	Lunch	
Session 8: Emerging Methods Co-chairs: R. Wickett, M. Visscher	1:30 PM	O27: Using the digital camera as a transducer for assessment of the skin	Gert Nilsson
	1:50 PM	O28: Multi-Scaling 3D measurement of the skin Face & body	Jean-Jacques Servant
	2:10 PM	O29: Clinical application of refractive index radiology	Jae-Young Kim
	2:30 PM	Break	
	3:00 PM	Invited Talk: New Insight in Skin Biomechanics	Bernard Querleux
Session 9: Skin Biomechanics Co-chairs: G. Grove, E. Braue	3:50 PM	O30: Skin stiffness assessed in vivo using 20 MHz ultrasound shear wave elastography: age-related effects	Bernard Querleux
	4:10 PM	O31: Assessment of Human Skin Mechanical Tension by Local No Contact impact and Surface Wave Propagation Analysis: Ageing and Gender effect	Djaghloul Mehdi
	4:30 PM	O32: Biomechanical Properties of Pediatric Skin and Infantile Hemangiomas	Randy Wickett
	4:50 PM	O33: Internal stress and tension forces of human skin during aging	Hassan Zahouani
	5:10 PM	Poster Prize and Closing Ceremony	
	6:30 PM	Gala Dinner - Buses Depart for Mystic Seaport	



## POSTER SESSIONS

Poster #	Title	Presenting Author
P01	Gender, Skin Type and Age Classification using Skin Reflectance-Based Descriptor	Wei Chen
P02	A Photonumeric Crow's Feet Grading Scale	Tim Houser
P03	Comparative Efficacy of Skin Lightening Technologies in Multiple Country Populations	Valentina Kazlova
P04	Distribution of corneodesmosomes on superficial corneocytes differs between infants and adults: a new look at the stratum corneum maturation	Nadège Lachmann
P05	Surface Isotropy as a Marker for Epidermal Maturation in Infancy: Development and Validation of the Electron Microscopy Isotropy (E.M.I) Score	Joachim Fluhr
P06	Regulation of skin water flow: evaluation of a vegetable extract, from in vitro efficacy to clinical evidence using Raman Spectroscopy	Nadège Lachmann
P07	What is different in skin physiology in neonates and young children of different age groups compared to adults? A randomized in vivo study	Nadège Lachmann
P08	Vascular inflammation and innate immunity modulation: ways for skin blemishes correction	Nadège Lachmann
P09	The skin analysis system based on image pattern for both simple and multi-meaning evaluation; Hydration pattern, and skin texture pattern	Joon Oh Myoung
P10	Applications of Reflectance Confocal Microscopy in Skin Penetration Efficacy Testing and Ingredient Screening	Rong Kong
P11	Improved quantification of skin erythema pattern by color analysis of highly standardized photographic images	Klaus-P. Wilhelm
P12	SPHINGANINE - The hair cycle balancer	Annika Schrader
P13	In vivo Imaging of superficial suction blister wounds by confocal reflectance microscopy	Klaus-P. Wilhelm
P14	A Novel Cosmetic Formulation for Photo-Rejuvenation	Alexander Zemtsov
P15	Does topically applied ceramides permeate into stratum corneum and constitute skin barriers?	Guangru Mao
P16	Quantitative analysis of engineered skin regeneration using 3D optical coherence tomography	Youjin Ahn
P17	A clinical tool to identify subjects with sensitive skin	Renée Richters
P18	Photoacoustic molecular imaging of ferritin as reporter gene in SK-MEL-24	Seunghan Ha
P19	Quantitative Analysis of Multiple Photoaging Features using Image Analysis of Digital Photographs	Lily Jiang
P20	Infantile Hemangiomas: Progression and Dynamic Infrared Thermography	Marty Visscher
P21	Non-invasive contrast enhanced fluorescent imaging	Jaeyoung Kim
P22	Integrating Non-Invasive Biophysical Analysis and Multivariate Statistical Modeling into a Comprehensive Framework for Cutaneous Injury, Wound Healing, and Treatment Efficacy Analysis	John Azeke
P23	Surface Isotropy as a Marker for Epidermal Maturation in Infancy: Development and Validation of the Electron Microscopy Isotropy (E.M.I) Score	Nadège Lachmann