



50th Anniversary of the World Congress for the International Society for Biophysics and Imaging of the Skin (ISBS)

Surface and Beneath Skin's Secrets: Quantitative Imaging and Sensing

June ,10th-12th 2026

Lyon, Ecole Centrale de Lyon , France

Registration is open



Prof Hassan Zahouani



Preliminary Agenda

Wednesday June 10th, 2026

**Satellite Workshop co-organized with the French Society of Dermatology
(Imaging Working Group)**

Skin Imaging in Dermatology and Cosmetic Research

Chair: Pr. Zahouani

13:00 – 14:00	Welcome	Registration and Coffee	
14:00 – 14:45	Invited Lecture		TBC
14:45 – 15:00	W-01	Bridging Surface and Subsurface Skin Imaging: Triple Spatial Co-localization of Dermoscopy, Super-Magnified Dermoscopy, and LC-OCT	Dorado Cortez
15:00 – 15:15	W-02	Enhancing Clinical Evaluation of Psoriasis Severity with AI-Based PASI Feature Scoring	Hang
15:15 – 15:30	W-03	The Epidermal and Dermal Microstructure of the Face in different age groups using Line-Field Confocal Optical Coherence Tomography (LC-OCT)	Fanian
15:30 – 16:00	Coffee Break	Exhibits / Poster Hall	

16:00 – 16:15	W-04	Tension Pattern on LC-OCT images: Effect of Age and Hydration on Skin Sublayers.	Zahouani
16:15 – 16:30	W-05	Inclusive Quantitative Analysis of Dermal Fibrous Network Architecture in LC-OCT Images Through Deep Learning Latent Space Exploration Across Diverse Populations	Missodey
16:30 – 17:30	Round Table	TBD	Speakers & Exhibitors
18:30 – 20:30	Welcome Reception		ISBS world congress attendees

Thursday June 11th, 2026

Morning Session

8:00 – 9:00	Welcome	Registration and Coffee	
9:00 – 9:15	Opening Ceremony		Zahouani / Hawkins
9:15 – 12:30	Session 1	New Experimental and Digital Methods for Skin and Hair Characterization	Chair: Fluhr
9:15 – 10:00	Keynote #1	Machine Learning Tools and Applications in Skin Image Analysis	Descombes
10:00 – 10:15	O-01	Evaluation of a Novel Smartphone-Based Method for Accurate Measurement of Skin Color and Personalized Complexion Product Recommendation	Nkengne
10:15 – 10:30	O-02	Development and Validation of a Wearable Skin Bioimpedance Sensor for Real-World Measurements	Sgoluppi
10:30 – 11:30	Coffee Break & Poster Session	Exhibits / Poster Hall	
11:30 – 11:45	O-03	How the Fingertip High Frequency Ultrasound with AI could Help the Aesthetic Doctors in their Daily Activities	Fanian
11:45 – 12:00	O-04	Development and Proof-of-Principle Study of a Simple 1-LED-based HDRS Device for the Non-invasive Estimation of SPF and UVA-PF in vivo	Reble
12:00 – 12:15	O-05	Olfactory Sensing of Cutaneous Malignancies: A Quantitative and Multimodal Approach to Skin Cancer Detection	Dorado Cortez
12:15 – 12:30	O-06	A Novel Integrative Approach to Skin Performance: Combining Digital Image Analysis and Biophysical Measurements	Jomier
12:30 – 13:30	Lunch		

Thursday June 11th, 2026

Afternoon Session

13:30 – 17:45	Session 2	Skin Biomechanics and Ageing	Chair: Querleux
13:30 – 14:15	Keynote #2	Integrated Clinical-Computational Analysis of Facial Sagging: Exploring Possible Mechanisms beneath the Skin Surface	Santoprete
14:15 – 14:30	O-07	“Ring-collagen” produces a skin tensional network that retains facial morphology —Development of digital skin visualizing 4D-physical dynamics—	Ezure
14:30 – 14:45	O-08	Multiscale Anisotropy of Dermal Collagen as a Marker of Ageing and Disease	Bozec
14:45 – 15:00	O-09	Effect of Shear Wave Stimulation on Facial Skin’s Tension and Elasticity	Randrianavony
15:00 – 15:15	O-10	Beyond Imaging: Quantitative Multimodal Sensing of the Skin from Surface Morphology to Subsurface Structure, Metabolism, and Mechanics	Dorado Cortez
15:15 – 15:30	O-11	In vivo Biomechanical Skin Properties Across Ethnicities and Aging	Bonnier
15:30 – 15:45	O-12	Comprehensive in vivo Analysis of Age-related Skin Biomechanical Changes using a Multi-technical Approach	André
15:45 – 16:15	Coffee Break	Exhibits / Poster Hall	
16:15 – 16:30	O-13	Biomechanical Skin Characterization Approach using Impact Analysis: Combined in vitro, in silico and in vivo Studies	Bouffandeau
16:30 – 16:45	O-14	Maximum Collagen Power (MCP) as a New Parameter for Intrinsic and Extrinsic again Investigated with Cutometer® Mode 2	Fluhr
16:45 – 17:00	O-15	Characterization of Biomechanical Properties with a Novel Device and through Evaluation of Tension Lines Index in Very Mature Senescent Skins	Granger
17:00 – 17:15	O-16	Analyzing the Touch Quality of Formulations on Human Hair and Skin	Luengo
17:15 – 17:30	O-17	A Tactile Acuity Index for Quantifying Texture Discrimination and Skin Aging	Bergheau
17:30 – 17:45	O-18	Quantifying Clinical Touch: Objective Assessment of Cutaneous Mechanical Sensing Using the TouchyFinger Device	Dorado Cortez
17:45 – 18:45	General Assembly	ISBS Business Meeting (ISBS Members)	
19:30 – 23:30	Gala Dinner		

Friday June 12th, 2026

Morning Session

8:00 – 9:00	Breakfast		
9:00 – 12:30	Session 3	Skin Imaging	Chair: Stamatas
9:00 – 9:45	Keynote #3		TBC
9:45 – 10:00	O-19	Generative Artificial Intelligence Enables Synthetic Polarization Contrast in Optical Coherence Tomography Imaging of Skin in vivo	Lee
10:00 – 10:15	O-20	Quantitative 3D Imaging of Photoprotective Homogeneity via LC-OCT to access microstructural gaps in sunscreen films	Singh
10:15 – 10:30	O-21	Multiphoton Microscopy-based Characterization of Sunscreen Formulations: Structural Organization, Particle Distribution and Correlation with Optical Performance	Infante
10:30 – 11:00	Coffee Break	Exhibits / Poster Hall	
11:00 – 11:15	O-22	Enhanced Deep-tissue Imaging using Micromirror-based Light Modulation Techniques in Microscopy	Darvin
11:15 – 11:30	O-23	Automated Multi layer Classification and Quantitative Analysis of Skin Two Photon Microscopy Images via Deep Learning	Wang
11:30 – 11:45	O-24	AI-Driven Visual Skin Imaging Reveals Region-Specific Facial Aging Patterns in Korean Participants: Wrinkles and Hyperpigmentation	Park
11:45 – 12:00	O-25	Optical Super-High Magnified Dermoscopy colocalized with LC-OCT: a new understanding of pigmented skin lesions	Kalifa
12:00 – 12:15	O-26	Multimodal Micrometric in vivo Assessment of Barrier Repair combining 3D Line-Field Confocal Optical Coherence Tomography Imaging and Confocal Raman Spectroscopy	Assi
12:15 – 12:30	O-27	Dual-frequency Virtual H&E Staining for Skin Histopathology: Enhancing Nuclear Detail with Frequency-Decoupled Translation	Kim
12:30 – 13:30	Lunch		

Friday June 12th, 2026

Afternoon Session

13:30 – 17:45	Session 4	Skin Studies: From Physiology Knowledge to Product Evaluation	Chair: Zahouani
13:30 – 14:15	Keynote #4		TBC
14:15 – 14:30	O-28	The Neuroscience of Cleansing: an Integrative Approach, from Stratum Corneum Biomechanics and Mechanoreceptor Activation Modeling to Mild Cleanser Design	Potter
14:30 – 14:45	O-29	In Vivo Confocal Raman Spectroscopy as a Sensitive Tool to Evaluate Skin Barrier Integrity and Topical Product Performance Using Caffeine Penetration	Hennighausen
14:45 – 15:00	O-30	In vivo Molecular Imaging of the Skin Barrier and Topically Applied Product	Nico
15:00 – 15:15	O-31	Recovery of SLS-Induced Skin Barrier Damage Assessed by Multimodal Biophysical Measurements Including Optical Coherence Tomography	Shin
15:15 – 15:30	O-32	In vivo Raman Confocal Microscopy Characterization of the Skin Barrier Influenced by Application of Fragrances	Khattignavong
15:30 – 15:45	O-33	Locally-resolved Visualization of the Skin Barrier Function	Stamatas
15:45 – 16:15	Coffee Break	Exhibits / Poster Hall	
16:15 – 16:30	O-34	Spectroscopic Clinical Evaluation of Next-Generation Sunscreen Performance: Assessing UV Filter Beyond SPF in Realistic Global Warming Conditions	Gourion-Arsiquaud
16:30 – 16:45	O-35	Capturing the Night Effect: Remote Standardized Photography Quantifies Sleep-Related Facial Skin Changes	Rigal-Dachaud
16:45 – 17:00	O-36	Short-term Effects of an Avocado Oil-enriched Organogel on Skin Hydration Assessed by Reflectance Confocal Microscopy	Maia Campos
17:00 – 17:15	O-37	Transcriptomic Signatures of Infant Skin Development and Maturation	Visscher
17:15 – 17:30	O-38	Modeling Infant Skin Vulnerability: Evaluating Allergen Peptides Penetration in Barrier-Compromised Ex-Vivo Human Skin	Turner
17:30 – 17:45	O-39	Maintaining Infant Skin Microbiome Integrity While Enhancing Stratum Corneum Hydration: Effects of an Acidic Emollient	Fluhr
17:45 – 18:15	Closing Session	Best Poster Award	