

MONDAY, MARCH 25

9:00 - 9:30 am	Registration
9:30am - 9:40 am	Welcome Remarks
9:40am - 10:40am	Keynote Presentation: Jeanne Tan, Ph.D. Artificial Intelligence in Design (AiDLab), The Hong Kong Polytechnic University Intuitive Surfaces with Artificial Intelligence and Knitted Textiles
10:40am - 11:00am	Coffee Break
11.00am -12:00pm	Session 1, Moderator: Anne Toomey Design considerations for the creation of electronic yarns for wearable health monitoring devices Arash Shahidi, Kalana Marasinghe, Carlos Oliveira, Nishadi Perera, Amanda Briggs-Goode, Tilak Dias and Theo Hughes-Riley Nishijin weaving and pleating to create textile sensors Bine Roth and Kaori Ueda Developments and Implications of Flexible E-textile Kits for Transdisciplinary Design Education Yumin Cho, Yeji Cho, Mingyo Song, Sophie Yang, Ryan Ko, Ju-Young Kang and Sumin Helen Koo Session 1 Q&A
12.00pm - 1:00pm	Lunch Break
1:00pm - 2:10pm	UC Davis College of Letters&Science Dean Estella Atekwana, PhD Keynote Presentation: Cindy Hsin-Liu Kao, Ph.D. Hybrid Body Lab, Cornell University Designing Hybrid Skins

2:10pm - 2:50pm

Session 2, Moderator: Simon Sadler

ChromaLipSense: Lipstick-Based Biosensors for Metabolic Monitoring
Shuyi Sun, Howard Ku, Ali Yetisen and Katia Vega

Intention vs. Reality: Managing the Sensory Language of Soft Robotic Skin Stretch Wearables
Robert Pettys Baker and Brad Holschuh

Session 2, Q&A

2:50pm-3:10pm

Coffee Break

3:10pm - 4:10pm

Session 3, Moderator: Marie O'Mahony

Data acquisition and analytics methods for e-textiles enabling medical & wearable markets
Eisuke Tsuyuzaki, Bayflex Technologies

Quantitative Analysis of Circuitry for Wearable Force Myography Systems used in Hand Gesture Classification
Giancarlo K. Sagastume, Peyton R. Young, Marcus A. Battraw and Jonathon S. Schofield

Haptic Perception Interaction Effects Between Vibrotactile and Compressive Stimuli in Wearable Devices
Niharikha Subash and Brad Holschuh

Session 3, Q&A

4:10pm - 5:30pm

Exhibition Show and Tell &Networking

Development of a Wearable Non-Pharmaceutical Countermeasure to Space Adaptation Sickness
Casey L. Miller and Stephen K. Robinson, Ph.D

Social Wearables Edularp and Familiars Exercise
James Fey

Differential Cardiopulmonary Monitoring for Artifact-canceled Physiological Tracking of Athletes
Jeong Research Group

Nishijin Weaving and Pleating to Create Textile Sensors

Bine Roth and Kaori Ueda

E-textile Testing Equipment

Bayflex

Cocoon: A Smart Hospital Gown for Toddler Patients

Hafsa Akter and Gozde Goncu-Berk

Dancing Fabrics

Rose Hinami Sakai

Moving Creatures

Kaitan Cong Cong

Interdisciplinary Metamorphosis

Galina Mihelava and Shawn Jordan

Soft Wearable for Muscle Activity Monitoring: Integrating EMG and FMG Sensors in a Wearable Sleeve

Diego Martinez Fernandez ,Peyton R. Young, Jonathon S. Schofield and Gozde Goncu Berk

UC Davis Interactive Organisms Lab

Katia Vega Research Group

UC Davis WearLab

Gozde Goncu-Berk Research Group

TUESDAY, MARCH 26

9:00 am - 9:30 am

Registration

9:30am - 10:30am

Keynote Presentation: Weaving and Counterfactual Narratives of Technical Progress

Laura Devendorf, PhD, Unstable Design Lab, University of Colorado, Boulder, ATLAS Institute

10:30am - 10:50am

Coffee Break

10:50am - 11:50am

Session 1, Moderator: Susan Avila

Intelligent E-Wicking Activewear

Dahua Shou and Erin Cho

Cocoon: A Smart Hospital Gown for Toddler Patients

Hafsa Akter and Gozde Goncu-Berk

Intelligent Wearable Hip Protector for Elderly Populations

Dahua Shou and Erin Cho

Session 1 Q&A

Lunch Break

11:50am - 1:00pm

1:00pm - 2:00pm

Session 2, Moderator: Katia Vega

Wearing GPT: Asking Questions about Human-AI Augmentation

Avital Meshi

Measuring thermal characteristics of wearable robotics using thermal manikin: challenges and opportunities

Konrad Rykaczewski

Developing a Textile Virtual Reality Experience

Helen Trejo

Session 2 Q&A

2:00pm - 2:30pm

Coffee Break

Panel Discussion, Moderator: Anne Toomey

2:30pm - 3:00pm

Wearables Research in Academia: Interdisciplinary Challenges and Opportunities
Panelists: Erin Cho, Jeanne Tan, Marie O'Mahony, Elif Ozden Yenigun, Katia Vega & Gozde Goncu-Berk

3:00pm - 3:45pm

Networking Mixer

4pm - 6:00pm

Workshop: Making Biobased materials for Tangible Interfaces

Eldy Lazaro, University of Colorado Boulder, ATLAS Institute