Texas Health Informatics Alliance

TEXAS HEALTH INFORMATICS ALLIANCE
ANNUAL CONFERENCE
SEPTEMBER 15, 2023
INFORMATIONAL PACKET

Welcome to the Texas Health Informatics Alliance (THIA) Annual Conference

On the following pages, you will find important information about your arrival. If you require any assistance, do not hesitate to contact Latricia Wallace at (713) 500-3632 or laatricia.e.wallace@uth.tmc.edu.

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Event Information

The Texas Health Informatics Alliance (THIA), led by the McWilliams School of Biomedical Informatics (MSBMI), University of Texas-Arlington (UTA), and University of Texas-Southwestern (UTSW), is pleased to announce the Third Annual THIA Conference. This summit will bring together health informatics students, professionals, and academic institutions, to learn about the ongoing work and impact of this state-wide initiative.

Speakers

Welcome Address
Jiajie Zhang, PhD
Dean and Professor, The Glassell Family Foundation Distinguished Chair in Informatics Excellence, McWilliams School of Biomedical Informatics
Director, National Center for Cognitive Informatics and Decision Making (NCCD)

Opening Keynote
Eduardo Sanchez, M.D., M.P.H., FAAFP
Chief Medical Officer for Prevention for the American Heart Association
"High Tech/High Touch: The Possibilities of a New Duality"

Closing Keynote
Maria E. Fernández, PhD
Lorne Bain Distinguished Professor in Public Health and Medicine, Director, Center for Health Promotion and Prevention Research, UTHealth Houston School of Public Health)

Agenda

Time	Topic and Speaker
8:00 - 8:30 AM	**Registration and Breakfast**
8:30 - 9:00 AM	**Welcome and Opening Remarks** Jiajie Zhang, PhD Dean and Professor, The Glassell Family Foundation Distinguished Chair in Informatics Excellence, McWilliams School of Biomedical Informatics Director, National Center for Cognitive Informatics and Decision Making (NCCD) UTHealth - Houston Introduced by: Dr. Susan Fenton, UTHealth - Houston
9:00 - 10:00 AM	**Opening Keynote** Eduardo Sanchez, M.D., M.P.H., FAAFP Chief Medical Officer for Prevention for the American Heart Association "High Tech/High Touch: The Possibilities of a New Duality" Introduced by: Dr. Susan Fenton, UTHealth - Houston
10:00 - 10:15 AM	**Break**
10:15 - 12:00 PM	**Focus Session: Leveraging Data for Health Care Insights** Dr. Jorge Rodriguez Fernandez, University of Texas Medical Branch & Dr. Mari Tietze, UT Arlington Our Battle Against Technostress, Burnout, and Documentation Proliferation in Healthcare Ana Aleksandric & Anisha Dangal, UT Arlington Analyzing the Stance of Social Media Posts on Abortion Considering State-level Health and Social Compositions Serenity Fanene, UT Arlington Addressing Overdose Cases with Relation to Drug Use and Mental Health in Harris County, TX Morgan Foreman, UTHealth - Houston Applying Socio-Ecological models: Digital Development for Black Pregnant Moms Dr. John Robert Bautista, UT Austin Teaching Data Analysis, Visualization, and Reporting in Public Health Informatics Dr. David Gibbs, Texas State University, Dr. Parvinder Parmar, Baylor Scott &

	White Health & Dr. Mari Tietze, UT Arlington Get'em While They're Young: Kick-starting the health informatics student pipeline in high schools Dr. Robert Turer, UT Southwestern Trends of Real Time Patient Portal Use Among Emergency Department Patients: An SAEM Informatics Collaborative Report Moderated by: Dr. Chris Lehmann, UT Southwestern
12:00 - 1:15 PM	**Lunch and Networking** **Birds of a Feather Session** Dr. Mikyoung Lee & Dr. Laurie Long, Research Working Group Discussion Topic: Unveiling Pathways: Collaborative Exploration of Social Determinants for Health in Health Informatics Dr. OluwaKayode Olupinyo, Policy & Standards Working Group Discussion Topic: Barriers to Electronic Health Information in Texas Hosted by: THIA Working Groups
12:00 - 1:15 PM	**Poster Session** Hannah Affleck, UT Arlington Examining perspectives of mHealth intervention methods in racially minoritized women Aarti Darji, UT Arlington Multimodal Pathology Image Search Dr. Estefanie Garduno-Rapp, UT Southwestern Building and Deploying a Cloud Environment for Hosting Custom Application Development Services within an Academic Tertiary Center Dr. Melody Greer, University of Arkansas for Medical Sciences Measuring Social Determinants of Health Data Quality in the Electronic Health Record Rakshita Kota, UT Austin Promoting the Field of Health Informatics Through the Health Informatics Organization Sun Won Min, UT Southwestern Combatting "deaths from a thousand clicks" one workflow at a time Jhoceline Moza, UT Arlington A geolocation analysis of Hispanic women who participated in an online survey study about digital health. Jorge Zamora, Methodist Healthcare Healthcare-Associated Infections (CAUTI and CLABSI) Prevention Using QR Code for Bundle Audits

12:00 - 1:15 PM	**Exhibitor Hall** UT Southwestern Medical Center - Clinical Informatics Center UT Health Houston - D. Bradley McWilliams School of Biomedical Informatics University of Texas at Arlington - College of Nursing and Health Innovation University of Texas at Arlington - Multi Interprofessional Center for Health Informatics
1:15 - 2:15 PM	**Panel Session: Artificial Intelligence and Machine Learning: The Health Disparities Dilemma and Practical Solutions** **Panelists & Topics:** Monica Coley, DHI, MPH, Health Informaticist and Sr. Business Development Manager for Amazon Web Services The Health Disparities Dilemma with Artificial Intelligence and Machine Learning Xiaoqian Jiang, PhD, Associate Vice President of Medical AI and Christopher Sarofim Family Professor, The University of Texas Health Sciences Center at Houston, D. Bradley McWilliams School of Biomedical Informatics Technology Solutions for Mitigating Algorithmic Unfairness and New Challenges Kirk Roberts, PhD, Associate Professor, The University of Texas Health Sciences Center at Houston, D. Bradley McWilliams School of Biomedical Informatics Organizational Bias and Federated Learning for Machine Learning Models Michael Conward, PhD, Chief Technology Officer and Founder, MyLUA Health Advancing Health Equity: Real World Application of AI/ML for Maternal Care Moderated by: Dr. Monica Coley, Amazon Web Services
2:15 - 2:30 PM	**Break**
2:30 - 3:30 PM	**Lightning Talks: Health Data in Action: A Look at Six Innovative Projects** Shannon Shiffer, UT Southwestern Worth the Weight: Improving Insight into Surgical Weight Loss Dr. Sudeepa Bhattacharyya, Arkansas State University Addressing Colorectal Cancer Prevalence and Screening Disparities in Arkansas: A Computational Framework Towards Targeted Personalized Jorge Zamora, Methodist Healthcare Health Data Literacy Advancement: Leveraging Education, Informatics Partners, and Technology Elizabeth Gonzalez, UT Southwestern Reducing Nursing Documentation and Empowering Patients Through the Use of Patient Entered Questionnaires Dr. Prerna Dua, Louisiana Tech University A Machine Learning Approach for Prediction of Cancer Outcomes with Determined Smoking Status Tanvi Ingle, UT Southwestern

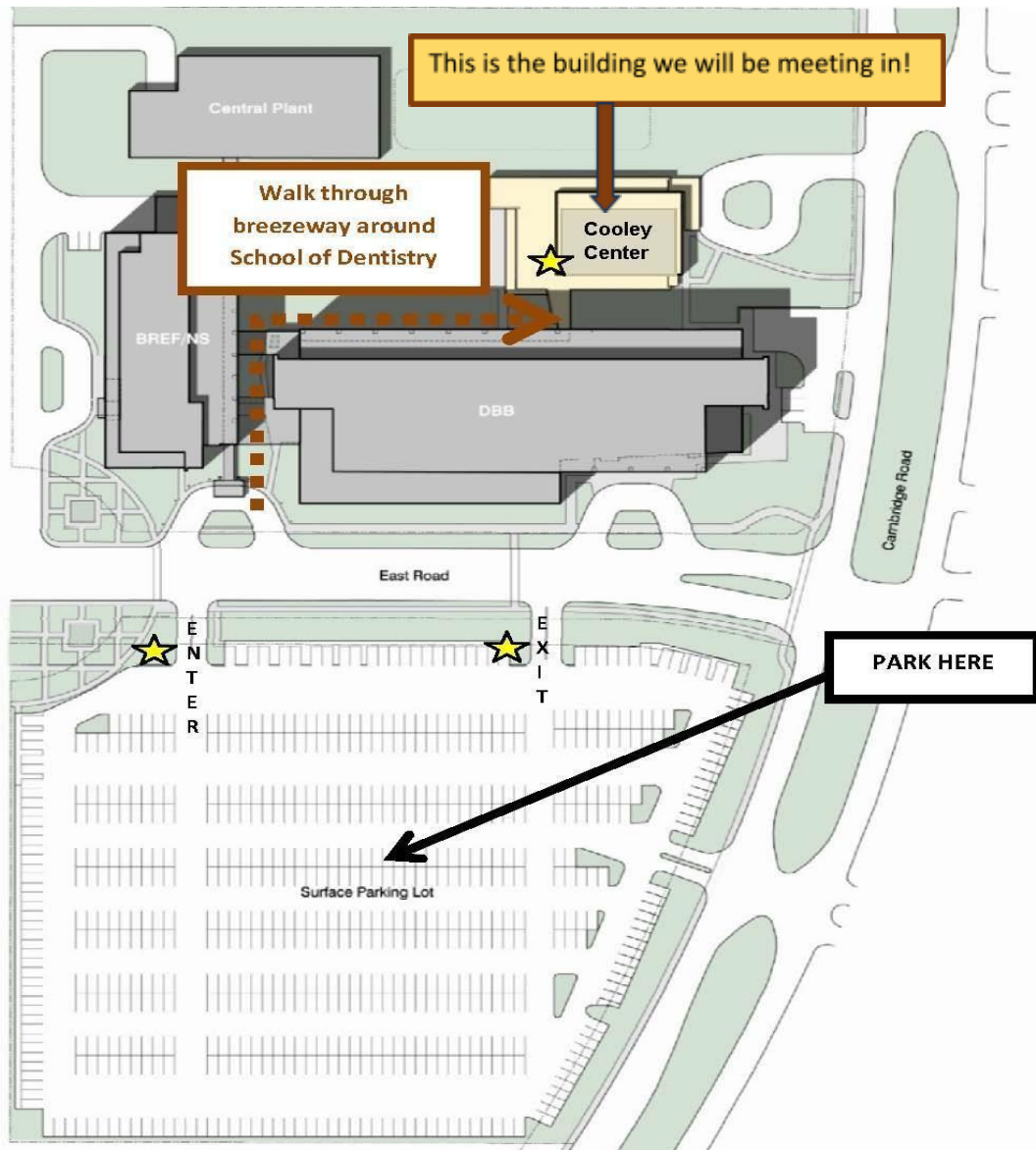|	
	Early Detection of Sepsis Model to Broadly Predict Patient Mortality Dr. Shakera Moreland, HIM Concierge Services & Dr. Mari Tietze, UT Arlington Progress on Evidence-based Recruiting for AI and ML Talent: Career Identification Moderated by: Dr. Gabriela Wilson, UT Arlington
3:30 - 4:30 PM	**Closing Keynote** Maria E. Fernández, PhD, Vice President of Population Health and Implementation Science Co-Director, UTHealth Houston Institute for Implementation Science Lorne Bain Chair of Public Health and Medicine Professor, Department of Health Promotion and Behavioral Sciences Director, Center for Health Promotion and Prevention Research UTHealth - Houston School of Public Health "Implementation science and Health Informatics: Partnership for promoting equity" Introduced by: Dr. Susan Fenton, UTHealth - Houston
	Closing Remarks Dr. Susan Fenton, UTHealth - Houston.
4:30 - 5:00 PM	**Reception**

The Cooley University Life Center Map

Location: The Cooley University Life Center at UTHealth Houston
7440 Cambridge St.
Houston, Texas 77054

Facility Contact Information		
Contact Name	**Email**	**Phone Number**
Susan Fenton	susan.h.fenton@uth.tmc.edu	(713) 500-3931
Latricia Wallace	latricia.e.wallace@uth.tmc.edu	(713) 500-3632

The Cooley University Life Center Parking

The **Cooley Center** is located at 7440 Cambridge Street, Houston, Texas 77054.
Cooley Center Parking is located at 1941 East Road Houston, Texas 77054.

The Cooley University Life Center Parking

PARKING INSTRUCTIONS

Please park in RPC lot on 1941 East Road (across from UTHealth Dental Bldg). Pull parking ticket upon entrance and keep with you. Walk-up payment kiosks are located in the Cooley Center and in the parking lot. Payment may be made by cash, debit card, or credit card. If parking validations have been purchased for your event they may be picked up at your guest registration.

ENTRANCE TO COOLEY CENTER

Return to the parking entrance and cross over East Road. Proceed straight through breezeway, bear right and walk through the courtyard to enter through the Cooley Center patio entrance.

PARKING INSTRUCTIONS FROM BLOSSOM HOTEL

Complimentary parking is available on-site at Blossom Hotel. Blossom Hotel offers a complimentary shuttle service to the Cooley Center on a first-come, first-serve basis. Parking at the Cooley Center is also available at a cost of $10/day.

Registration

Guest registration will occur in the University Life Center Lobby. This is where the THIA Conference begins. Our staff will be stationed to assist you with the registration process.

Please plan to arrive at the University Life Center Lobby a bit early to allow ample time for registration. This will help us kick off the event on time and enable you to fully enjoy all the exciting activities we have planned for you.

WIFI Instructions

Access the UTHealth Houston WIFI via the following website:
https://cloud.securew2.com/public/21553/Wireless_Configuration-Production/

The website will detect your configuration and then connect by selecting the JoinNow icon. If your device detected is incorrect, then select the correct device from the drop-down list.

Meals Included

Breakfast and lunch will be catered and served in the main event space. There will also be coffee breaks and a brief reception immediately following closing remarks in the main event space.

Emergency Information

Emergency information is available at https://www.uthealthhoustonemergency.org/.