



# Organizing Committee

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Andrew Marrington, Zayed University (UAE)

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May AlTaei, Zayed University (UAE)

## Program Co-Chairs

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Marwa AlHarbi, Zayed University (UAE)

## Awards Co-Chairs

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## Local Arrangements Co-Chairs

Huwida Said

Nagaraj Chandrashekar

Alia Sulaiman

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Ehsan Ahmad, Saudi Electronic University (KSA)

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Kauser Hameed, King Faisal University (KSA)

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Vinod Pangracious, American University in Dubai (UAE)

Tanzila Saba, Prince Sultan University (KSA)

Huwida Said, Zayed University (UAE)

Wafaa Shalash, King Abdulaziz University (KSA)

Abdallah Tubaishat, Zayed University (UAE)

Imran Usman, Saudi Electronic University (KSA)

Jalila Zouhair, Prince Sultan University (KSA)



# Evaluators for Best Awards

Dr. Walid Hussein, British University in Egypt

Dr. Hazaa Alshareef, Saudi Electronic University

Dr. Zouhaira M. Zain, Princess Nourah Univ, KSA

Dr. Evi Mansor, Prince Sultan University, KSA

Nora Alturayef, Imam Abdulrahman Bin Faisal Univ

Dr. Patrick Hung, UOIT, Canada

Laura Rafferty, UOIT, Canada

## **Zayed University:**

Dr. Huwida Said

Dr. May Al Taei

Dr. Anoud Bani-Hani

Dr. Basel Almourad

Dr. Mohamad Badra

Dr. Anthony Rhodes

Dr. Mathew Nicho

Dr. Andrew Leonce

Dr. Zakaria Maamar

Fatima AlHarbi

Muna Bader

Dr. Hakim Hacid

Izzeddin Asad

Dr. Farhi Marir

Dr. Farkhund Iqbal

Dr. Asad Khattak



# Participating Universities

- Ajman University
- American University in Dubai
- American University of Kuwait
- British University in Egypt
- Higher Colleges of Technology
- Imam Abdulrahman Bin Faisal University
- Al-Imam Mohammad Ibn Saud Islamic University
- King Abdulaziz University
- King Faisal University
- King Khalid University
- King Saud University
- Palestine Ahlyia University
- Palestine Technical University - Kadoorie
- Price Sattam Bin Abdulaziz University
- Prince Sultan University
- Princess Nourah bint Abdulrahman University
- Saudi Electronic University
- Taibah University
- United Arab Emirates University
- University of Jordan
- Yarmouk University
- Zayed University





# Day 1

## Vehicle Black Box

Mouad Hanane, Ahmad Moh'd, Maher Omar, Amr Salahedin Abdulelah

Ajman University, UAE



# Day 2

## Designing a Robotic Hand for Arabic Sign Language Teaching and Translation

Ebtsam AlShammari, Faten AlSunaid, Hessa  
AlMonif, Sadeem AlMarri

Supervised by:

Dr. Maha Sulaiman Alrabiah

Al Imam Muhammad Ibn Saud Islamic  
University, KSA







# Police Smart Wristband

Fahad Al-Shaer, Abdelkhalig  
Mohammed, Saif Alawar, Hamad  
Alsharqy, Omar Abdul Kareem, Cesar  
Esperanza, Nabil Afifi

HCT Sharjah



# EEG-Robotic Exoskeleton System

Mohamed Yacine Lezzar, Anas Chokri Al  
Bakri, Mohammed N. A. Alzinati, Khaled  
Abdolrazaq Mortazavi

Supervisors: Ms. Tazeen Sharif and Engr.  
Wessam Shehieb

Ajman University, UAE



## *Honourable Mention*

# **Sentimentic: A Mobile Application for Public Opinion Evaluation Using Sentiment Analysis of Saudi Social Media Posts**

Hanane Zlitni, Norah AlDughaiyem, Lama  
AlRashed, Nora AlDahash, Waad Bin Faris

Supervised by:

L. Asma Alhussayen

King Saud University, KSA



## *Honourable Mention*

# **WalkME: An Autonomous Navigating Aiding Gadget for the Visually Impaired**

Anthony Trad, Fatemeh Tavakoli, Omar  
Emare, Samaa Dweek

American University in Dubai, UAE





# Invisible Touch: An Obstacle Detection and Warning System with Haptic Feedback

Rahaf AlOtaibi, Abrar AlWayel, Nouf AlMutairi, Reem Judah, Detlef Hummes

American University of Kuwait, Kuwait



# MPD: Marine Pollution Level Detector

Haneen Al-Ssaggaff, Mai Alharbi,  
Somaya Aljohi, Jumana Bukhari, Lujain  
Shafi

Supervised by: Dr. Wafaa Shalash

King Abdulaziz University, KSA



# A Novel Approach to Chronic Pain Relief Using Fixed-Site Transcutaneous Electric Nerve Stimulation

Rand Shehadeh, Malak Damdoum,  
Maha Tamimi

Supervised by  
Prof. Mustahsan Mir & Eng. Monther Al  
Shehabi

Ajman University, UAE





# Best Poster Presentation Awards



# EDC: An Emergency and Disasters Application

Dalal Aloliani, Rahaf Aljuaid, Asma'a  
Almalki, Suhair Alshehri

King Abdulaziz University, KSA



# Q.ee: VR Game that Aims to Test and Enhance the Player's Knowledge of Tajweed

Joud Albarazi, Haya Alkateeb, Zainab Alsamel

Supervised by:

Dr. Evi Indriasari Mansor

Prince Sultan University, KSA



# Guide Me

Basma Abdullah Alsowailmi, Khloud  
Hassan bin Hassan, Maimona Ebrahim  
Alhwaymil

Supervised by  
Ms. Rawia M. Bin Sheha

Al Imam Mohammad ibn Saud Islamic  
University



# cQUAL: A Framework for Collaborative Quality Assurance and Enhancement in Higher Education Institutes

Abdullah Hassan, Fahad Almohammadi,  
Salem Aljahdali

Supervised by  
Dr. Ehsan Ahmad

Saudi Electronic University, KSA



# **Brain-Thought to text Emulation from Detecting Mental States using Electroencephalography (EEG) and Brain-Computer Interface (BCI)**

Amir Tarek El-Sayyad

The British University in Egypt, Egypt



# Alzheimer Smart Watch

Shehana Aljaloud, Noura Aljaloud,  
Meznah Alkholaifi, Amal Aldossari  
Supervised by: Dr. Fahad Alayed

Al Imam Mohammad ibn Saud Islamic  
University, KSA



# Erad: Mobile Point of Sale System

Raghad Almojel, Tarfah AlSabi, Reema  
AlHussini, Afnan AlAqeel, Najla  
Abaalkhai

Supervised by:  
Dr. Aljoharah Algwaiz

King Saud University, KSA





# Drivable Airport Luggage Cart

Hesah F. AlEnezi

Supervised by  
Dr. Seyed Ebrahim Esmaeili

American University of Kuwait, Kuwait



*Honourable Mention*

# The Cyber Currency and Blockchain

Amna Y. Almarzooqi

Supervised by:

Fatima Al-Harbi

Zayed University



## *Honourable Mention*

# **Saudi Mood: Real-Time Visualization of Saudi Emotions Through Sentiment Analysis of Twitter Data**

Alanoud Aldayel, Ghaida Alkanhal, Lama  
Alesmail, Manal Almutlaq, Ruba Al  
Thunayan

Supervised By:

L.Tahani Almanie

King Saud University, KSA

