

CONFERENCE

ICAISC 2023 SMART CITIES

Conference Opening Agenda | أجنـدة افتتاح المؤتمر

السلام الملكي National Anthem	11:00
القرآن الكريم Quran Recitation	11:10
فيديو تعريفى عن كلية جدة العالمية Jeddah Intrnational College induction video	11:20
كلمة العميد د. طارق حمدي Remarks by Dean Dr. Tarik Himdi	11:25
كلمة نائب رئيس IEEE في المملكة د. عدنان البار Remarks by the Vice President of the IEEE in Saudi Arabia of Dr. Adnan Al-Bar	11:30
كلمة مدير شركة هواوي بالمنطقة الغربية أ. سيد علي Remarks by the Director of Huawei in the Western Region, Mr. Syed Ali	11:35
كلمة سعادة نائب رئيس مجلس أمناء الكلية / رئيس مجلس الإدارة د. صالح ملائكة Remarks by his Excellency Vice Chairman of the Board of Trustees of the College, Chairman of the Board of Directors Dr.Salih Malaikah	11:40
تكريم (الرعاية ، المتعاونين ، رؤساء لجان المؤتمر) Honoring (Sponsors , Collaborators , Chairmen of Conference Committees)	11:45

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Workshops | ورش العمل

23 - 25 JAN
202309:00 AM
12:00 PM

Day1

- Participants Registration
- Program Presentation
- Break
- Industrial Application of Drones
- Flight Principles
- Multi-rotor Drone Components
- Lunch
- Intro Flight Simulator
Flight Simulator Practice
- Intro to Tello
- Tello Practices
- Intro to Challenges
- Break
- NXP Drone Kits Presentation
Downloading Software
- Manuals – Installing
- toolchains

Day2

- Building NXP system
- Software – Pixhawk
Groundcontrol
- Break
- Safety Guidelines
- Initializing NXP System
- Ground Control Station
- Lunch
- FPV Camera & Sensors
- Drone Settings & Coding
- Rules and Regulations
- Break
- Pre-flight Checklist
- Checkup Session and
Assembled Drones
Checking

Day3

- Drone flight
- Break
- Troubleshooting – Q&A
- Lunch
- Evaluation
- Break
- Ceremony

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Workshops | ورش العمل

23 - 25 JAN
202311:00 AM
05:00 PMتك مصباح
TECH MISBAH

Day1

- Electrical Signals
- Serial Communication
- Transducer
- Sensors
- ESP Wi-Fi Platform
- Arduino IDE
- Build Your First ESP - 01 Programs

Day2

- I/O interfaces
- PMW signals, I2C and other protocols
- Transistors and Relays
- Drivers
- Actuators
- Build your ESP - 01 device to control actuators

Day3

- IoT devices
- Wi-Fi connection types
- Pass data with an HTTP connection
- Read the state of your IoT device
- Control your IoT device
- Log data in a remote web server
- DHT sensor
- Build a DHT ESP-01 IoT device
- Build your custom ESP-01 IoT