CCTS 2025
2ND INT. CONFERENCE ON CREATIVITY, TECHNOLOGY AND SUSTAINABILITY

دعوة

يسر جامعة دار الحكمة دعوتكم لحضور

CCTS 2025

المؤتمر الدولي الثاني للإبداع والتكنولوجيا والاستدامة

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جدة، المملكة العربية السعودية

جامعة دار الحكمة

CCTS 2025
2ND INT. CONFERENCE ON CREATIVITY, TECHNOLOGY AND SUSTAINABILITY

INVITATION

Dar Al-Hekma University is pleased to invite you to

CCTS 2025

2nd INT. CONFERENCE ON CREATIVITY, TECHNOLOGY AND SUSTAINABILITY

30 April & 1 May 2025
Jeddah, Saudi Arabia

Dar Al-Hekma University

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CONFERENCE OBJECTIVES

01

Sharing multidisciplinary research and innovation to address sustainability challenges

02

Bridging knowledge and practice to address the relationship between academia and relevant industries

03

Fostering the development of essential skills for sustainability

04

Emphasizing the role of cutting-edge technologies in addressing societal issues

05

Promoting creativity, innovation, and entrepreneurship in alignment with Vision 2030

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CONFERENCE OVERVIEW

01

Provide an enlightening platform that presents cutting-edge scientific breakthroughs

02

Keep pace with the rapid developments in the fields of creativity, technology, and sustainability, in line with Saudi Vision 2030 and the sustainable development goals

03

Address global challenges and connect universities with various developmental sectors

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CONFERENCE ACTIVITIES

01
Keynote Sessions

02
Discussion Panels

03
Scientific Papers

04
Scientific Posters

05
Workshops

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CONFERENCE TOPICS

01

Sustainable Technologies and Digital Transformation

02

Sustainability Management, Policies, and Ethics

03

Interdisciplinary Studies in Sustainability and Technology

04

Creativity and Sustainable Design

05

Sustainability Education and Awareness

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130 PAPERS FROM 25 COUNTRIES

337 RESEARCHERS

77 ACCEPTED PAPERS

21 SAUDI UNIVERSITIES AND INSTITUTIONS

55 INTERNATIONAL UNIVERSITIES AND INSTITUTIONS

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CONFERENCE PROGRAM

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CONFERENCE MAIN PROGRAM DAY 1

DATE: APRIL 30, 2025 TIME: 10:00 – 1:00 LOCATION: AUDITORUM

CONFERENCE OPENING CEROMONY

TIME	SESSION
09:00 10:00	REGISTRATION
10:00 10:30	OPENING
10:30 10:40	MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY
10:40 11:00	HONORING
11:00 11:40	MINISTRY OF ENVIRONMENT, WATER AND AGRICULTURE

TIME	SESSION	SPEAKER
11:40 12:00	DISCUSSION PANEL **Entrepreneurship & Leveraging Academic Expertise for National Development**	■ **Panelists:** Dr. Imad Aljahdali, Vice Chairman of the Board of Directors, Wadi Makkah Eng. Anas Alshaaer, Entrepreneurship Director, Misk Foundation Dr. Walaa Alsanie, Dean of Graduate Studies and Scientific Research, Taif University ■ **Moderator:** Dr. Samar Altarteer, Director of the Scientific Research Center, Director of the Innovation Center, Dar Al-Hekma University
12:00 12:30	DISCUSSION PANEL **Driving Digital Transformation in Saudi Arabia**	■ **Panelists:** Mr. Fawaz Alanazi, Director of Digital Consulting and Digital Studies, Digital ,-Government Authority Eng. Zainab Alamin, VP of National Digital Transformation, Microsoft ■ **Moderator:** Dr. Fadwa Aljoud, Manager of Innovation Center, Dar Al-Hekma University
12:30 12:50	DISCUSSION PANEL **Cutting-Edge Technologies and AI: Shaping the Future of Digital Industries**	■ **Panelists:** Dr. Manar Alohaly, RDI Executive, SITE Mr. Enrique Gomicia, Director of Products, SCAI ■ **Moderator:** Dr. Dheyaaldin AlSalman, Assistant Professor, Cybersecurity, School of Engineering, Computing, and Design, Dar Al-Hekma University
12:50 01:00	CLOSING REMARKS	
1:00 2:00	BREAK AND PRAYER	

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CONFERENCE MAIN PROGRAM DAY 1

DATE: APRIL 30, 2025 TIME: 2:00–4:00

TIME	SESSION	LOCATION
2:00 4:00	**Papers Presentation** Track 1	**Lecture Hall 068**
2:00 3:00	WORKSHOP 1 **Creative Session: GenZ Market Disruption** Nestle Academy **Ms. Reem AlTawil,** Cluster Marketing Manager, Nestlé	**Lecture Hall 151**
2:00 4:00	WORKSHOP 2 **AI in Action: Its Impact on Modern Industries and Ethical Considerations** KACST_Academy 32 **Dr. Atheer Almogbil,** Assistant Professor, Cybersecurity Institute, KACST	**Lecture Hall 067**
3:00 4:00	CODE_ MCIT **Startup Stories: Success and Challenges** **Dr. Ahmed AlZubairi,** Founder & CEO, SarSatX **Eng. Mohammed Alghamdi,** Founder & CEO, Dunes Aero	**Code Lab**
9:00 4:00	STUDENTS POSTERS	**Galleries**

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CONFERENCE MAIN PROGRAM DAY 2

DATE: MAY 1, 2025 TIME: 10:00–4:00

TIME	SESSION	LOCATION
09:00 10:00	REGISTRATION	Red-carpet
10:00 11:00	CODE LAB TOUR	Code Lab
10:00 02:00	**Papers Presentation & Research Presentation** Track 1 - 2 - 3 - 4 - 5	Lecture Halls
11:00 01:00	WORKSHOP 3 **Ethical Hacking** KACST_Academy 32 **Eng. Najla Alzakari,** Cyber Security Researcher, Cybersecurity Institute, KACST **Eng. Mada Alhaidary,** Cyber Security Researcher, Cybersecurity Institute, KACST	Lecture Hall 151
2:00 3:00	WORKSHOP 4 **Let's Build AI Agents** SITE **Dr. Abdulaziz Almaslukh,** Senior RDI Executive, Site	Computer Lab 80-82
2:00 4:00	WORKSHOP 5 **From Concept to Creation: A Deep Dive into Additive Manufacturing Techniques** KACST_Academy 32 **Dr. Ahmed Degnah,** Associate Professor, KACST	Lecture Hall 068
10:00 02:00	ELM COMPANY **Legal LLM Challenge**	Lecture Hall 151
1:45 2:00	WINNERS ANNOUNCEMENT Legal LLM Challenge Best Students Presentation	Atrium

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2nd INT. CONFERENCE ON CREATIVITY, TECHNOLOGY AND SUSTAINABILITY

CONFERENCE MAIN PROGRAM DAY 2

DATE: MAY 1, 2025 TIME: 10:00–4:00

TIME	SESSION	LOCATION
3:00 4:00	CODE LAB TOUR	Code Lab
1:00 2:00	SAUDI FOURTH INDUSTRIAL REVOLUTION INITIATIVE SESSION I **Developing Industry and Business Using Cloud Technologies** **Eng. Abdulghani Alkhateeb,** Technical Engineer	Lecture Hall 151
2:00 3:00	SAUDI FOURTH INDUSTRIAL REVOLUTION INITIATIVE SESSION II **The Role of Information Technology as a Pillar in Digital Industrial Transformation** **Eng. Sami Khanfor,** Software and Electronics Engineer	Lecture Hall 151

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DISCUSSION PANEL

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DISCUSSION PANEL

Entrepreneurship & Leveraging Academic Expertise for National Development

Dr. Imad Aljahdali

شركة وادي مكـــة للتقنية
Wadi Makkah Company For Technology

PANELIST
Vice Chairman of the Board of Directors

Eng. Anas Alshaaer

Misk مسك
مؤسسة محمد بن سلمان
Mohammed Bin Salman Foundation

PANELIST
Entrepreneurship Director,

Dr. Walaa Alsanie

جامعة الطائف
TAIF UNIVERSITY TU

PANELIST
Dean of Graduate Studies and Scientific Research

Dr. Samar AlTarteer

MODERATOR
Director of the Scientific Research Center, Director of the Innovation Center.

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DISCUSSION PANEL

Driving Digital Transformation in Saudi Arabia

Mr. Fawaz Alanazi

Digital Government Authority
هيئة الحكومة الرقمية

PANELIST
Director of Digital Consulting and Digital Studies

Eng. Zainab Alamin

Microsoft

PANELIST
VP of National Digital Transformation

Dr. Fadwa Aljoud

Moderator
Manager of Innovation Center

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DISCUSSION PANEL

Cutting-Edge Technologies and AI: Shaping the Future of Digital Industries

Dr. Manar Alohaly

Site

PANELIST
RDI Executive

Mr. Enrique Gomicia

SCAI

PANELIST
Director of Products

Dr. Dheyaaldin AlSalman

Moderator
Assistant Professor
Cybersecurity, School of Engineering, Computing, and Design

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CONFERENCE WORKSHOPS

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Nestlé

Workshop 1

Creative Session: GenZ Market Disruption

Ms. Reem AlTawil

For Registration:

Cluster Marketing Manager
Nestlé

Day:
Wednesday

Date:
April 30, 2025

Time:
2:00 - 3:00

Location:
Lecture Hall 151

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KACST
مدينة الملك عبدالعزيز للعلوم والتقنية

ACADEMY 32
أكاديمية ٣٢

Workshop 2

AI in Action: Its Impact on Modern Industries and Ethical Considerations

Dr. Atheer Almogbil

Assistant Professor
Cybersecurity Institute at KACST

For Registration:

Day:
Wednesday

Date:
April 30, 2025

Time:
2:00 - 4:00

Location:
Lecture Hall 067

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KACST مدينة الملك عبدالعزيز للعلوم والتقنية

ACADEMY 32 أكاديمية ٣٢

Workshop 3

Ethical Hacking

For Registration:

Eng. Najla Alzakari

Cyber Security Researcher
Cybersecurity Institute at KACST

Eng. Mada Alhaidary

Cyber Security Researcher
Cybersecurity Institute at KACST

Day:
Thursday

Date:
May 1, 2025

Time:
11:00 - 01:00

Location:
Lecture Hall 151

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DAR AL-HEKMA UNIVERSITY

SITE

Workshop 4

Let's Build AI Agents

Dr. ABDULAZIZ ALMASLUKH

Senior RDI Executive
SITE

For Registration:

Day:
Thursday

Date:
May 1, 2025

Time:
2:00 - 3:00

Location:
Computer Lab 80-82

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KACST
مدينة الملك عبدالعزيز للعلوم والتقنية

ACADEMY 32
أكاديمية ٣٢

Workshop 5

From Concept to Creation: A Deep Dive into Additive Manufacturing Techniques

For Registration:

Dr. Ahmed Degnah

Associate Professor
KACST

Day:
Thursday

Date:
May 1, 2025

Time:
2:00 - 4:00

Location:
Lecture Hall 068

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Saudi 4IR
مبادرة التوعية بتقنيات الثورة الصناعية الرابعة

Soudi Fourth Industrial Revolution Initiative Session I

The Role of Information Technology as a Pillar in Digital Industrial Transformation

Eng. Sami Khanfor

Software and Electronics Engineer
Saudi 4IR

For Registration:

برنامج تطوير الصناعة الوطنية والخدمات اللوجستية

رؤية VISION 2030 المملكة العربية السعودية KINGDOM OF SAUDI ARABIA

وزارة الاتصالات وتقنية المعلومات MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

Day:
Thursday

Date
May 1, 2025

Time:
2:00 - 3:00

Location:
Lecture Hall 151

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Saudi 4IR
مبادرة التوعية بتقنيات الثورة الصناعية الرابعة

Soudi Fourth Industrial Revolution Initiative Session II

Developing Industry and Business Using Cloud Technologies

Eng. Abdulghani Alkhateeb

برنامج تطوير الصناعة الوطنية والخدمات اللوجستية

رؤية VISION 2030 المملكة العربية السعودية KINGDOM OF SAUDI ARABIA

وزارة الاتصالات وتقنية المعلومات MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

For Registration:

Technical Engineer
Saudi 4IR

Day:
Thursday

Date
May 1, 2025

Time:
1:00 - 2:00

Location:
Lecture Hall 151

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DAR AL-HEKMA UNIVERSITY
وزارة الاتصالات وتقنية المعلومات
MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY
مركز ريادة الأعمال الرقمية
Center of Digital Entrepreneurship

STARTUP STORIES:
Success and Challenges

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MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

مركز ريادة الأعمال الرقمية
Center of Digital Entrepreneurship

Startup Stories:

Success and Challenges

Eng. Mohammed Al-Ghamdi

DUNES AERO

Focused on developing drone systems and offering innovative solutions through their application across various industries.

Founder & CEO

For Registration

Date:
April 30, 2025

Time:
3:00 - 4:00 PM.

Location:
CODE Lab

Day:
Wednesday

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Center of Digital Entrepreneurship

Startup Stories:
Success and Challenges

Dr. Ahmed Alzubairi

Focused on providing satellite imagery analytics to support key sectors such as environmental protection, agriculture, and energy.

Founder & CEO

For Registration

Date: April 30, 2025

Time: 3:00 - 4:00 PM.

Location: CODE Lab

Day: Wednesday

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DAR AL-HEKMA UNIVERSITY STUDENTS RESEARCH COMPETITION

BEST PAPER

2 Awards

BEST POSTER

3 Awards

BEST PAPER PRESENTATION

1 Award

Dar Al-Hekma University Students Only

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elm

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Register in

LEGAL LLM CHALLENGE

Presented By Elm In Collaboration
with Dar Al-Hekma University

Law and Sharia Students and Graduates
For All Saudi Universities

Registration Required

Day:	Date:	Location:
Thursday	May 1, 2025	Dar Al-Hekma University Hall 151

DAR AL-HEKMA UNIVERSITY

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AWARD

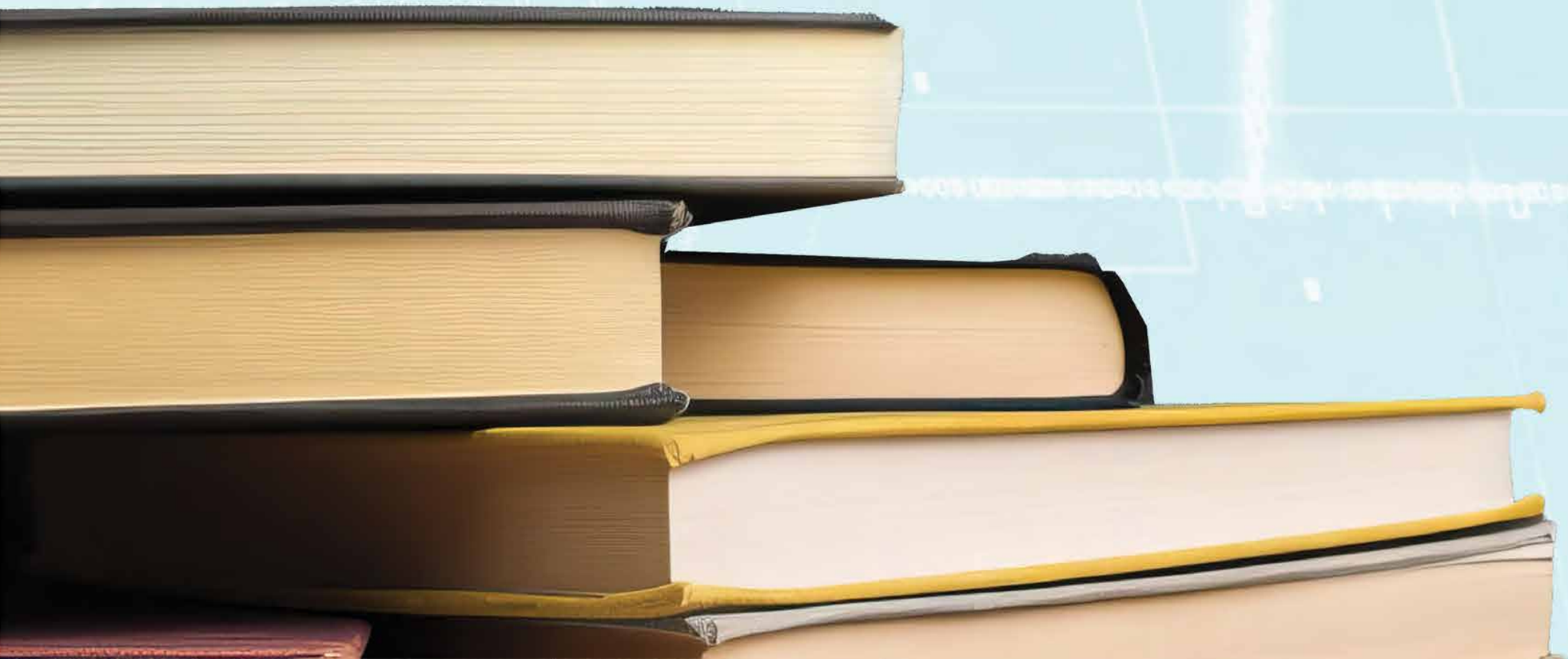
BEST PAPER AWARD

Honoring Outstanding Research Paper

Day:
Wednesday

Date:
April 30, 2025

Location:
Dar Al-Hekma University



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وزارة البيئة والمياه والزراعة

Ministry of Environment Water & Agriculture

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KACST
مدينة الملك عبدالعزيز للعلوم والتقنية

ACADEMY 32
أكاديمية ٣٢

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RDI

هيئة تنمية البحث والتطوير والابتكار

Research, Development & Innovation Authority

STRATEGIC PARTNERS

مركز ريادة الأعمال الرقمية
Center of Digital Entrepreneurship

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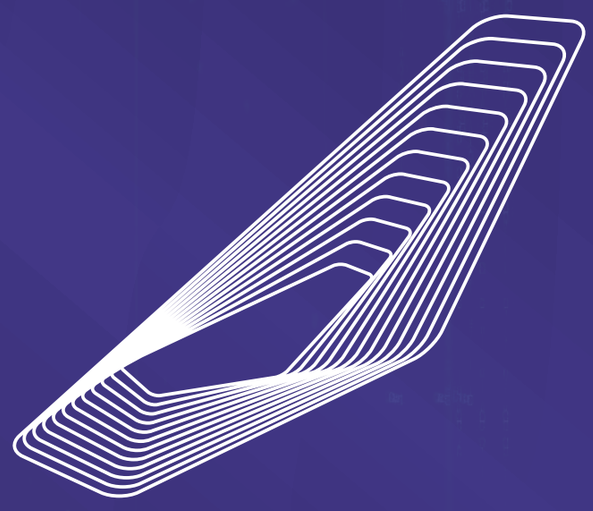

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