



Prince Sultan University

3rd Undergraduate Research Forum URF 2017

Program and Book of Abstracts
February 20 - 21, 2017

<http://info.psu.edu.sa/pscw/urf/>

Scientific Sponsor



مدينة الملك عبدالعزيز
للعلوم والتقنية KACST

Women's Program

Day 1 - February 20, 2017

Registration and Opening

- 8.30 - 9.00** Welcome Desk/Registration:
Outside Large Auditorium
- 9.00 - 10.00** Opening Session:
(Large Auditorium)
- 9.00 - 9.05** Quran Recitation
- 9.05 - 9.10** Welcome
Dr. Dina El-Dakhs
URF Chair
- 9.10 - 9.20** Opening Words
Dr. Rimah Al-Yahya,
Vice-Rector for Women Campus
Dr. Eman Kamal,
Vice-Dean, Graduate Studies & Research
- 9.20 - 9.50** Keynote Speech
Representative of King AbdulAziz city for Science &
Technology, the URF Scientific Sponsor
- 9.50 - 10.00** Questions/Answers

Women's Program
Day 1 - February 20, 2017 Session (W1) 10:20-12:20

Session W1.1 General and Applied Sciences

(Building 2-Room 215)

- 10.20-10.40** Isolation of Acinetobacter Species from Intensive Care Unit of General Hospital Special Reference to Antibiotic Resistance: A Pilot Study Analysis
Tahani Salim Mahddy- Prince Sattam Bin Abdulaziz University
- 10.40-11.00** The Role of Mobile Phones in the Elevated Rate of Surgical Site Infection in the Patients of the Surgical Intensive Care Unit and the Surgical Wards at KFUH
Sarah Ahmed Al Dawood - University of Dammam
- 11.00-11.20** Saudi Arabia 2030 – Ways to Achieve – A Futuristic Approach
Fatima Radi Abushaar - Prince Sattam Bin Abdulaziz University
- 11.20-11.40** Response Interruption and Redirection (RIRD) as Treatment for Stereotypy: A Systematic Review
Rufaida AlKhanji - Dar Al-Hekma University
- 11.40-12.00** Knowledge and Attitude about Epilepsy among the Primary School Teachers
Sarah Abdullah Mubarak - Prince Sattam Bin Abdulaziz University
- 12.00 12.20** Multidrug Resistant Extended Spectrum β -lactamase (ESBL) Detection in Gram-Negative Bacilli of Nosocomial Origin in Wadi Al Dawaser Region of Saudi Arabia
Reem Abulaziz Al Qannam - Prince Sattam Bin Abdulaziz University

Session W1.2 Engineering

(Large Auditorium)

- 10.20-10.40** Humanoid Robot for House Services Controlled by IoT
Razan Abdulwahab Halawani - Taif University
- 10.40-11.00** Passive Cooling System in Hospitals: “King Abdullah Children Hospital of the National Guard”
Hessa Al-Mazrou - Prince Sultan University
- 11.00-11.20** Continuous Monitoring of Patients’ States Using a Non-invasive Comprehensive Framework for Beat-to-Beat Fluctuations of the Heart
Reem Mounzer Almasri – Imam Abdulrahman Alfaisal University
- 11.20-11.40** Early Breast Cancer Detection Using Ultra-Wideband (UWB) Antenna Arrays
Alya Mohammed Aljutay - University of Dammam
- 11.40-12.00** Automated Diagnostic System for Leukemia Detection in Human Blood Sample
Noor alabkari - University of Dammam

Session W1.3 English Language Studies

(Small Auditorium)

- 10.20-10.40** The Attitudes and Motivation of Saudi University Students for Learning English as a Foreign Language: Prince Sultan University Freshmen as a Case Study.
Haifa Saad AlAmmar - Prince Sultan University
- 10.40-11.00** Mother Tongue Attachment & Translation Competence: The Case of Arabic as a TL
Renad Ibrahim Aljadid - Prince Sultan University
- 11.00-11.20** The Use of Translation Technology among Translation Female Students at COLT: a Case study
Hatoon Nasser Almotham - King Saud University
- 11.20-11.40** For the Souls and Butterflies; A Critical Reading of Romanticism as an Example of Eco Poetry
Haifa Saad AlAmmar - Prince Sultan University
- 11.40-12.00** The Problematic Nature of First Language Acquisition
Afnan Abdulrahman Alzeer - King Saud University

Session W1.4 Computer and Information Sciences

(Building 2-Room 315)

- 10.20-10.40** Smart Identification and Recognition of Unidentified People Using Biometric Measures
Sahar Abdullah Al-harhi - Taif University
- 10.40-11.00** Human-Glove Sensors for Sign Language Translation Using Arduino
Anwar Abdullah Alazwari - Taif University
- 11.00-11.20** Smart Blood Bank Refrigerators and Donation System Using the Internet of Things Technology
Nouf Khamis Althobaiti - Taif University
- 11.20-11.40** Intelligent Tutor Application to Learn Python
Reem DaifAllah Aloufi - Taif University
- 11.40-12.00** Smart Irrigation System using the Internet of Things Technology
Tghreed Salem Al-harhi - Taif University

Session (W2)

1:00-2:20

Session W2.1 General & Applied Sciences

(Building 2-Room 215)

- 1.00-1.20** الموارد الجغرافية لنشأة السياحة في محافظة الزلفي
وضحى عبيد المظيري - جامعة الأميرة نورة
- 1.20-1.40** فصل مركب اللينالول من درنات الزنجبيل الخضراء و تحضير مشتقات حراريه و ضوئيه له
جامعة أم القرى - مريم محمد لافي الصاملي
- 1.40-2.00** كيمياء البناء الحديث
رحمة احمد ابراهيم البوشقراء - جامعة الملك فيصل
- 2.00-2.20** Ameliorative Effect of Exogenous Nitric Oxide on Oxidative
Metabolism in NaCl Treated Maize Seedling
جامعة أم القرى - مها شداد رزق الله العمري

Session W2.2 Business Administration

(Small Auditorium)

- 1.00-1.20** The Role of Business Plans for Successful Entrepreneurs in Saudi Arabia
Dena Mohanad Alhaloul - Dar Al-Hekma University
- 1.20-1.40** Impact of Brent Crude Oil Prices on the Saudi Stock Exchange
Shroug AlOtaibi - Dublin City University - Princess Nora University
- 1.40-2.00** Saudi Government 1st Bond Issue and the Long Term Effect on the Economy
Rajwa Mohammed Althobaiti - Dublin City University - Princess Nora University
- 2.00-2.20** Attaining Sustainable Growth through Diversification: Evidence from Food Industry
Abeer Nabil Sabielalish - Prince Sultan University

Session W2.3 ID and Architecture

(Large Auditorium)

- 1.00-1.20** Proper Lighting for Healthy, Productive Environment.
Mashaal Al-Nouri - Prince Sultan University
- 1.20-1.40** Riyadh: Architectural Guide
Dima Muhsen - Prince Sultan University
- 1.40-2.00** The Typology of the Dwelling, from the Village to the Metropolitan Area
Demah Kaf Alghazal - Prince Sultan University
- 2.00-2.20** Hospitals' Lighting
Salam Murad - Prince Sultan University

Session W2.4 Computer and Information Sciences

(Building 2-Room 315)

- 1.00-1.20** Friday's Khutba Application
Fajer AlMudaires - King Faisal University
- 1.20-1.40** Academic Course Equivalence System Using Information Retrieval Methods
Munirah Saleh AlKharji - Prince Sattam Bin Abdulaziz University
- 1.40-2.00** Human Safety System
Fatimah Ahmed Abbas AlMatar - King Faisal University
- 2.00-2.20** Technovestor: A Web-based Entrepreneur Matchmaking Tool
Amal Abdulrahman AlMukhlal- King Faisal University

Day 1 February 20, 2017

Poster Session (W) 2:30-3:30

Main Lobby, Building 2, PSU Women's Campus

Measuring Blood Glucose Level Non-Invasively Using Bio-Impedance Technique
Tahani M. Alfareed - University of Dammam

Design of a System to Measure Blood Glucose Level
Fatima alkaabi - University of Dammam

Healthcare Units for Slums in Egypt
Fatema Salama - Prince Sultan University

Culinary Arts Academy
Shroog Moahmmed - Taibah University

TEIM: Awareness against Smart Devices' Addiction among Children
Somayya Milibari - King Abdulaziz University

دراسة أثر الأنشطة المنهجية الجامعية على تنمية المهارات العملية والشخصية
Asma Idris Fatani - Effat University

Development of 3D Bioprinters for Tissues and Organ Printing
Zainab Khan - Effat University

Remote Flash Memory using Li-Fi Technology
Norah Ali AlJallal - King Faisal University

أداة شحن ذاتية لجهاز الهاتف الجوال
جامعة الأمير سطام – ريماء عبدالله طارد الدوسري

Green Smart Library Station
Nojood Almayouf - Effat University

Automatics Battery Charger Using Solar Energy
Nouf Alzanbagi - Effat University

Ultra-low Cost Electronics Using Inkjet Printing and Cellulose Materials
Nouf Alzanbagi - Effat University

Smart Attendance for University Students Using Fingerprint Identifier, Dynamic QR
Code and Location Determination
Alhanadi Gazi Alotaibi - Taif University

E- Diabetes Expert system
Soha Abdullah Aldosarry - Prince Sattam Bin Abdulaziz University

Socio-Technical Systems for Saudi Heritage: Crowd-Sourcing Applications
Wejdan saad al-duaij - Princess Nora bint Abdul Rahman University

Day 2 – February 21, 2017

Registration

8.30 - 9.00

Welcome Desk/Registration
Outside Large Auditorium

Panel Discussion: 9.00 - 10.00
(Large Auditorium)

9.00 - 9.10

Welcome & Remarks
Dr. Dina El-Dakhs, URF Chair

9.10 - 10.00

Panel Discussion

Moderator:

Dr. Romana Aziz
Chair, URF Scientific Committee

Panelists :

Dr. Maha Alsenan
College of Arts & Design
Princess Noura University

Dr. Hind AlOtaibi
College of Languages & Translation
King Saud University

Dr. Rehab AbuRas
College of Engineering
Prince Sultan University

Ms. Jalila Zouhair
College of Computer & Information Sciences
Prince Sultan University

Session W3.1 Law

(Small Auditorium)

- 10.20-10.40** تقويم قانون جاستا في ضوء مبدأ سيادة الدول
جامعة الملك فيصل – أثير وليد الدوغان
- 10.40-11.00** دراسة مقارنة لحوافز القيادة الآمنة في ظل نظام النقاط المرورية
جامعة طيبة - فاطمة عبدالرحمن العنيزي
- 11.00-11.20** جريمة الاستغلال الجنسي الإلكتروني ضد الأطفال
جامعة الأمير سلطان - الهنوف عبد العزيز النافع
- 11.20-11.40** وعد بلفور و صك الانتداب البريطاني من وجهة نظر القانون الدولي
جامعة الملك فيصل - هلا صالح عبد العزيز التيسان
- 11.40-12.00** Impact of Corporate Governance on Economic Growth in the Kingdom
of Saudi Arabia
Rawabi Abdullah Ahmad Bin Humeed - Prince Sultan University
- 12.00-12.20** إجارة الرحم
جامعة الامير سلطان - نوره جهاد الفاخري

Session W3.2 Interior Design and Architecture

(Large Auditorium)

- 10.20-10.40** مشروع تصميم ازياء مستقبلية تواكب الرؤية السعودية 2030
جامعة الأميرة نورة - لبنى عبدالرحمن عبدالله الصيخان
- 10.40-11.00** التعبير عن الذات من خلال فن رسم الوجوه
جامعة الأميرة نورة - نوف محمد الحربي
- 11.00-11.20** المسكوكات كمصدر رؤية في الفنون المعاصرة
جامعة الأميرة نورة - العنود بنت عبدالهادي العجمي
- 11.20-11.40** توظيف الخامات الطبيعية باللوحة التشكيلية بشكل مبتكر
جامعة الأميرة نورة - سمية محمد سعد المشوح
- 11.40-12.00** فن القط كمنير بصري لإنتاج اعمال فنية ثنائية وثلاثية الأبعاد
جامعة الأميرة نورة - سارة محمد سعد المشوح
- 12.00-12.20** ذاتية الرمز للتعبير في الفنون البصرية
جامعة الأميرة نورة - فاطمة راشد آل عيسى

Session W3.3 General and Applied Sciences

(Building 2-Room 215)

- 10.20-10.40** اللقضاء والأيتام، تأثير المجتمع عليهم وتأثيرهم على المجتمع
جامعة الأمير سلطان - بيان محمد خالد حلوم
- 10.40-11.00** جاستا بين الحصانة السيادية والتقدم
جامعة الأمير سلطان – ريهام نصر الله
- 11.00-11.20** دور بر الأبناء في صحة الوالدين
جامعة الملك فيصل – فاطمة الخلف
- 11.20-11.40** Design of a Stable Biocompatible Surface of Grafted Thermo-Responsive Polymers
Randa Ayub Khan - University of Dammam
- 11.40-12.00** Design of a Low Cost and Robust Computer-Based ECG System for Automatic and Remote Diagnosis and Monitoring
Shaykhah Abdulaziz Almaghrabi - University of Dammam
- 12.00-12.20** Inhibition of Escherichia Coli Growth Using Extremely Low Frequency
Ghaida Abu Shawarib - Princess Nora University

Session W3.4 Computer and Information Sciences

(Building 2-Room 315)

- 10.20-10.40** Smart Mobility Crowd-Sourcing Applications
Alanoud Alhmoud - Princess Nora University
- 10.40-11.00** Brain-Computer Interfaces in Serious Gaming Applications for Children with ADHD
Tahani Alfawzan - Princess Nora University
- 11.00-11.20** Hear Me: an EEG-based Non-Verbal Communication System
Maryam Abdulaziz Boudy - King Faisal University
- 11.20-11.40** Education Strategies Application (ESA)
Noura Hilal Alanzi - King Faisal University
- 11.40-12.00** Saudi Heritage Mobile Application
Bedour Razgan Almutairi - Princess Nora University
- 12.00-12.20** Real Time Blind Source Separation Based on Independent Component Analysis
Arwa Ahmed Al-ghamdi - Umm Al-Qura University

Session (W4)

1:00 - 2:20

Session W4.1 Computer and Information Sciences

(Building 2-Room 215)

- 1.00-1.20** An Investigation about User Preference in Smartphone Free Applications
Abeer Albadri - Prince Sultan University
- 1.20-1.40** Requirements for Big Data Analytics
Rawan alrajhi - Prince Sultan University
- 1.40-2.00** Using Cloud Computing in Higher Education
Sara Alsulaiman - Prince Sultan University
- 2.00-2.20** Thin and Thick Clients in Desktop Virtualization
Buthaina AlWahbi - Prince Sultan University

Session W4.2 Interior Design and Architecture

(Large Auditorium)

- 1.00-1.20** Heritage Hotel
Shahad Abdullah Alshalhoob - Prince Sultan University
- 1.20-1.40** Healthy Interiors – Now and Then in Saudi Arabia
Yasmeen Aldaour - Prince Sultan University
- 1.40-2.00** Human Body in Visual Arts
Sarah Marwan Ahmed Rokun - Effat University
- 2.00-2.20** Natural Ventilation to Improve IAQ in Hospitals in Hot and Dry Climate
Banan Aldamouni - Prince Sultan University

Session W4.3 English Language Studies

(Small Auditorium)

- 1.00-1.20** Apology Strategies of Advanced English Foreign Language Learners:
Does the Foreign Language Influence the First Language Performance?
Noura Mohamed AlJafar - Prince Sultan University
- 1.20-1.40** Women's Poetry Thematic and Technical Comparison between Nizar
Qabbani's Between Love and Love and Elinor Wylie's Valentine
Alia Al-Zabibi - Prince Sultan University
- 1.40-2.00** Translation of Stream of Consciousness
Rawan Bassam Ibrahim Alzubaidi - Prince Sultan University
- 2.00 - 2.20** The Development of Two Languages Simultaneously
Rawan Bassam Ibrahim Alzubaidi - Prince Sultan University

Session W4.4 Computer and Information Sciences

(Building 2-Room 315)

- 1.00-1.20** Provenance Detection of News Articles
Ruba Ali Alsuhaymi - Prince Sultan University
- 1.20-1.40** Implementing a Virtual Mouse Based on Hand Gesture Recognition
Alaa Khayer - Prince Sultan University
- 1.40-2.00** An investigation About Thin Client in Education
Abeer Albadri - Prince Sultan University

Day 2 February 21, 2017

Poster Session (W) 2:30-3:30

Main Lobby, Building 2, PSU Women's Campus

The Relationship between Stock Returns and Crude Oil Prices

Afnan Almarzoqi - Prince Sultan University

KFU Events and Activities

Amjad Saeed Almutairi - King Faisal University

The Necessity of Using Thin Client Computing in Education

Basmah Alduwayan - Prince Sultan University

Mobile Application for Assisting People with Short-Term Memory Loss

Maiys Al Doghan - King Faisal University

Intention to Use Health Mobile Service

Reem AlFowzan - Prince Sultan University

Children's Acquisition of English Language Vocabulary by Using TV

Noura Hilal Alanzi - King Faisal University

Bottle Wall

Eman Akram - Prince Sultan University

Burnout, Humor Coping Mechanism and Grade Point Average (GPA):

Academic Performance Outcome among Female Students in Saudi Arabia

Al Jawharah Abdulrahman Al-Muqrin - Princess Nora University

Evaluate the Patients Adherence to the Recommended Drug Doses
Dua'a saleh almulhim - King Faisal University

مشروع ثقافي:نادي القراء النسائي
جامعة الأميرة نورة – زينب جابر حسن آل داوود

How to Save the Heritage Buildings
Abrar Omar AL-Mazloun - Prince Sultan University

Fashion Design Association
Nouf Alarifi - Prince Sultan University

Entertainment Center for senior citizens
Shatha Altoyah - Prince Sultan University

Wireless Multi-Parameter Biopotential Measurement System
Maram Yahia Faris - University of Dammam

Men's Program

Day 1 – February 20, 2017

Registration and Opening

- 8.30 - 9.00** Welcome Desk/Registration:
Outside Prince Sultan Hall
- 9.00 - 10.00** Opening Session:
(Prince Sultan Hall)
- 9.00 - 9.05** Quran Recitation
- 9.05 - 9.10** Welcome by
Dr. Mourad Rizk
Associate Director, Research & Translation Center
- 9.10 - 9.15** Opening Words
Dr. Musaed Bin Muqbil,
Dean, Graduate Studies & Research
- 9.15 - 9.45** Keynote Speech
Representative of King AbdulAziz city for Science &
Technology, the URF Scientific Sponsor
- 9.45 - 10.00** Questions/Answers

Day 1

February 20, 2017

Session (M1)

10:20-12:00

Venue for Technical Sessions:

Prince Sultan Hall, Old Building, PSU Men's Campus Session M1
Engineering

- 10.20-10.40** A Fast, Non-destructive Technique for Measurements of Concrete Density in Existing Structures for Lab and Field Work
Aban AlWaznah - King Abdulaziz University
- 10.40-11.00** B.W. Enhancement for Helical Antenna
Suliman Khalil Hashash - Prince Sultan University
- 11.00-11.20** Design of High Performance Composites
Abdulrahman Alfawzan - King Saud University
- 11.20-11.40** انتاج اسمنت المبلمرات الجيولوجية من موارد طبيعية محلية ذات خصائص مميزة في التطبيقات الهندسية و البيئية
جامعة الأمير سطام بن عبد العزيز - عبدالعزيز بن احمد ال قريشان القحطاني
- 11.40-12.00** Multi-layers 5G MIMO antenna with High Gain
Tariq Mohammed Omayrah - Prince Sultan University
- 12.00-12.20** Dual Band Helical Antenna 24 GHz, 60 GHz
Abdulrahman Moahmmmed - Prince Sultan University

Session M2 General Sciences

- 1.00-1.20** التصنيف الهدي لاسخلاص الأراضي الفضاء من صور الأقمار الصناعية عالية الوضوح:
دراسة تطبيقية على مدينة الرياض
جامعة الملك سعود - فيصل بن سليمان المجلي
- 1.20-1.40** قياس المعرفة للمرشدين الصحيين عن حوادث الأسنان في منطقة الباحة
جامعة الباحة - حامد عيد علي الخلف
- 1.40-2.00** تحسين خصائص اسمنت العظم الفيزيائية باستخدام النانو هيدروكسي اباتايت
جامعة الأمير سطان بن عبد العزيز - عبدالله بن فهد بن عبدالعزيز الحقباني

Day 1
February 20, 2017
Poster Session (M) 2:00-3:00

Venue for Poster Session (M):

Student Hall, Old Building, Opposite Student Affairs Office, PSU Men's
Campus

Real Estate Investment Trusts (REIT's): An Alternative Investment in the Saudi Market
Suliman Abdulrahman AlMukairin - Prince Sultan University

Social Networking Sites Privacy Issues
Badr Jarjarah - Prince Sultan University

Ethics in Software Design
Mohamed Abdul Ghani- Prince Sultan University

Effect of Heat Treatment on Mechanical Properties of A-TIG Welded Aluminum Alloy
Mohammed Ali Al Ghamdi - Prince Sattam Bin Abdulaziz University

Self-Balancing Robot
Meshari AlHartni- Prince Sattam Bin Abdulaziz University

Exploratory Research of 3D Scanners
Abdullah Almuqrin - Prince Sattam Bin Abdulaziz University

XY Plotter

Saleh Fahad AL-Eid - Prince Sattam Bin Abdulaziz University

Green Building for Our Environment

Yahya Jamal - Prince Sultan University

The Accident of Flight 8460 at King Khalid Airport; Case Study, Causes, and Recommendations

Mohammad Saad Alzahrani - Prince Sultan University

Visualization of the Sliding Friction Heat during the Skid Resistance and its Effect on Road Accidents

Abdulmalk and Fahad Abdulwhab - Prince Sultan University

Prevalence and Pattern Pediatric of Forearm Fractures in a Tertiary Health Care Center Over 8 Years

Mishary Aldakhail - Alfaisal University

Interactive & Immersive Lectures using Virtual Reality

Mansour Ameer Alathan - King Faisal University

Day 2 – February 21, 2017

Registration

8.30 - 9.00

Welcome Desk/Registration:
Outside Prince Sultan Hall

9.00 - 10.00

Panel Discussion:
(Prince Sultan Hall)

9.00 - 9.10

Welcome & Remarks
Dr. Mourad Rizk
Associate Director, Research & Translation Center

9.10 - 10.00

Panel Discussion

Moderator:

Dr. Morad Rizk
Associate Director, Research & Translation Center

Panelists :

Prof. Mohamed AlAffendi
College of Computer & Information Sciences
Prince Sultan University

Dr. Ihab Katar
College of Engineering

Prince Sultan University

Dr. Mohammad Al-Rabayah
College of Engineering
Prince Sultan University

Dr. Zainurin Dahari
College of Business Administration
Prince Sultan University

February 21, 2017
Session (M3) 10:20-12:00

Venue for Technical Sessions:

Prince Sultan Hall, Old Building, PSU Men's Campus Session M3 CIS,
Business Administration & Engineering

- 10.20-10.40** KSA's Automated Automotive Future
Talha Shahid Ali - Prince Sultan University
- 10.40-11.00** Transport Monitoring System for School Kids Safety
Abdulrahman Mohammed Alomar - King Faisal University
- 11.00-11.20** Effect of Socially Intelligent Robots on Society
Omar Khalid Haj Ibrahim - Prince Sultan University
- 11.20-11.40** Brainwaves Authentication System
Anas Yousef Alsaqer - King Faisal University
- 11.40-12.00** REITs in Saudi Arabia
Abdulaziz AlSahil - Prince Sultan University

URF 2017 Team

URF Chair

Dr. Dina El-Dakhs, Research & Translation Center

Scientific Committee

Chair

Dr. Romana Aziz, College of Computer & Information Sciences

Members

Dr. Morad Rizk, College of Engineering

Dr. Wafa Labib, College of Engineering

Dr. Rafida Obaid, Deanship of Educational Services

Dr. Tanzila Saba, College of Computer & Information Sciences

Dr. Hala Dalbani, College of Humanities

Dr. Najia Saqib, College of Business Administration

Dr. Zbida Atim, College of Law

Marketing Committee

Co-Chairs

Dr. Dina El-Dakhs, Research & Translation Center

Dr. Morad Rizk, Research & Translation Center

Members

Mr. AbdulRahman Yassin, Research & Translation Center

Ms. Sara Al-Skait, Prince Salman Research & Translation Center

Ms. Mona Al-Yemni, Research & Translation Center

Logistics Committee

Co-Chairs

Ms. Arooj Yaswi, Deanship of Educational Services

Dr. Morad Rizk, College of Engineering

Members

Ms. Sara AlSkait, Research & Translation Center

Ms. Mona AlYemni, Research & Translation Center

Mr. AbdulRahman Yassin, Research & Translation Center



The Research & Translation Center

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Scientific Sponsor



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للعلوم والتقنية
KACST