



## **UK/Kuwait Cybersecurity Education & Research Conference**

**11-12 November 2019**

**Venue: Kuwait College of Science & Technology**

The UK Government is collaborating with Kuwait's Communication and Information Technology Regulatory Authority (CITRA), Kuwait University and the Kuwait College of Science & Technology to hold the first UK/Kuwait Cyber Security Education and Research Conference *CERC2019* at the Kuwait College of Science & Technology 11-12 November 2019.

*CERC2019* supports the Kuwait-UK Memorandum of Understanding on Cyber Security signed in 2018, which points to (amongst other areas) engagement in both education and research. *CERC2019* is supported by the UK Government, and through the UK Science and Innovation Network in the Gulf will fund participation from leading UK research and Government institutions to attend the event

*CERC2019* will focus on two key areas directly related to supporting the MoU:

1. To increase bilateral research collaboration between the UK and Kuwait, with a particular focus on the security of critical national infrastructures.
2. To promote increased educational programmes focusing on cybersecurity – in particular, the importance of establishing post-graduate programmes (MSc) in cybersecurity. The UK is keen to aid in the delivery of these programmes via research institutes in the UK in the short term, and locally in partnership with Kuwaiti universities in the medium to long term. This approach would ensure the development of a home-grown pool of Kuwaiti cyber expertise to support the growing need across all key sectors.

*CERC2019* will bring together official, academic and commercial sectors in the field of Cyber Security Research and Education. Working with other Kuwait Education Providers with a focus on computer engineering such as Kuwait University and the Kuwait College for Science and Technology (KCST) and academics having a background in cybersecurity,

CITRA the lead on cyber engagement in Kuwait, supports this event at a Kuwaiti Government level, with the National Cyber Security Centre (NCSC) acting as the body representing UK Government, and the UK Science and Innovation Network, with the support of the British Embassy and British Council in Kuwait.

KCST will provide the venue for *CERC2019* and will work in partnership with Kuwait University in drawing up the Conference Programme. *CERC2019* will seek participation from all the respective higher education institutions in Kuwait, along with research partners, the Kuwait Foundation for the Advancement of Science as the national funding body for research and the Kuwait Institute for Scientific Research.

## CERC2019 Programme

11-12 November 2019  
Kuwait College for Science and Technology



Day 1: Monday, 11 November 2019

Time	Topic	Speaker(s)
08:00-09:00	Registration and Networking	
Opening Ceremony: The Vision for Cybersecurity Development in Kuwait - The Auditorium -		
09:00-09:30	Welcome addresses (facilitator: Eng Tareq Ismail, CITRA) <ul style="list-style-type: none"> <li><b>Professor Khalid Al-Begain</b>, President, Kuwait College of Science and Technology</li> <li><b>Mr Tim Voase</b>, Her Britannic Majesty's Chargé d'affaires to Kuwait</li> <li><b>HE Eng Salim Muthib Al-Ozainah</b>, Chairman of the Board of Directors and CEO of the Communications and Information Technology Regulatory Authority</li> </ul>	
09:30 – 10:00	Keynote: Kuwait's National Cyber Security Strategy <b>Eng Laial AlMansoury</b> , Director of Cyber Security, CITRA, KW	
10:00-10:30	Keynote: UK Strategic Approach to Cyber Security <b>Dr Henry Pearson</b> , UK Cyber Ambassador, National Cyber Security Centre (NCSC), UK	
10:30 – 10:50	Coffee Break	
Session: Security and Privacy for Critical Infrastructure		
10:50 – 11:15	Security Engineering for Cloud & Edge Systems <b>Prof Omer F. Rana</b> , Cardiff University, UK	
11:15 – 11:40	Recent Developments in IoT Security <b>Dr Mamoun Qasem</b> , University of South Wales, UK	
11:40 – 12:05	How to drive better human decisions with artificial intelligence <b>Dr Mary Haigh</b> , BAE Systems Applied Intelligence, UK	
12:05-12:30	Securing your critical infrastructure <b>Abdullah Al-Qattan</b> , Kuwait National Petroleum Company, Kuwait	
12:30 – 1:15	Panel: Security for Critical Infrastructures Moderator: <b>Prof Khalid Al-Begain</b> , KCST CITRA, BAE, USW, CU, NCSC, KNPC	
1:15– 2:00	Lunch Break	
Session: Human Capital and Cybersecurity Training		
2:00 -2:25	Developing cyber capability and capacity through national skills programmes <b>Mr Sebastian Madden</b> , Protection Group International, UK	
2:25 – 2:50	Developing Agile Professionals for a Digital World <b>Mr Ross Harris</b> , Cranfield University, UK	
2:50 – 3:15	Social Engineering in Digital Communication <b>Ms Fatima AlAbdulkareem</b> , PIC – Petroleum, UK	
3:15 – 3:45	Q&A Panel: Developing Human Capabilities in Cybersecurity <b>Mr Madden, Mr Harris, Ms AlAbdulkareem</b>	
3:45 – 4:30	Networking Session w/coffee	

**Day 2: Tuesday, 12 November 2019**

Time	Topic	Speaker(s)
08:00-09:00	Registration and Networking	
09:00-09:10	Opening Remarks	
<b>Session: Security and Privacy for Corporations and Users</b> - Lecture Theatre C1 -		
09:10-9:35	Privacy in Participatory Sensing Applications: The Road Ahead <i>Dr Tassos Dimitriou, Kuwait University, Kuwait</i>	
9:35 – 10:00	Mobile malware detection with machine learning: state of play and emerging challenges <i>Dr Suleiman Yerima, De Montfort University, UK</i>	
10:00 – 10:25	Cyberstalking: A Crime Script Analysis <i>Dr Hashem Dehghanniri, Oxford Brookes University, UK</i>	
10:30 – 11:00	Q&A Panel: The Cybersecurity Landscape in Emerging Technologies <i>Moderator: Eng Tareq Ismail, CITRA</i>	
11:00-11:15	Coffee Break	
<b>Session: Developing Academic Programs in Cybersecurity</b> - Lecture Theatre C1 -		
11:00 – 11:25	Cybersecurity research, education and innovation at the University of Kent <i>Prof Gareth Howells, University of Kent, UK</i>	
11:25 – 11:50	Cybersecurity Research and Academic Activities at the University of Birmingham <i>Dr Rami Bahsoon, University of Birmingham, UK</i>	
11:50 – 12:15	Cybersecurity Research Focus of CUL <i>Prof Muttukrishnan Rajarajan, City University of London, UK</i>	
12:15 – 12:40	Cyber Technology Institute at De Montfort University <i>Dr Ali Al-Bayati, De Montfort University, UK</i>	
12:40 – 1:15	Discussion Panel: Integrating Cybersecurity in Kuwait Academic/Research Programs Moderator: <i>Dr Ammar AlHusaini (CAIT)</i> <i>Dr Hussain Almohri, Mr Mohammad AlSanousi (PAAET), Dr Pradeep, Prof. Muttukrishnan Rajarajan, Prof Khalid Al-Begain</i>	
1:15 – 2:00	Lunch Break	
<b>Session: Cybersecurity in Local and National perspective</b> - Lecture Theatre C1 -		
2:00-2:20	The Effects of Human Factor Dynamics in Cyber Security in Kuwait <i>Dr Safaa Zaman, Kuwait University, Kuwait</i>	
2:20 – 2:40	National Level Red Team <i>Mohammed AlMansour, Cybersecurity Consultant, Kuwait</i>	
2:40 – 3:00	Reputation Systems and the Economics of Outsourcing <i>Dr Jassim AlJuraidan, Kuwait University, Kuwait</i>	
3:00 – 3:15	Q&A : Cybersecurity in Local and National perspective	
3:15 – 3:30	Closing Remarks	