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Welcome to ICCIT 2015

It is our great pleasure to welcome you to ICCIT-2015, The 4th International Conference on Communications and Information Technology, and to the Emirate of Abu Dhabi. The conference aims to bring together leading educators, scientists, academics, practicing engineers, and policy makers from academia and private sectors. ICCIT-2015 seeks to be a forum for the exchange of ideas on the latest development in innovative learning, Communication and Information Technologies.

ICCIT-2015 features a very strong technical program in the area of Education, Information Technology and Communications. The Technical Program Committee (TPC) members have undertaken the challenging job of evaluating the large number of submitted papers. We would like to thank the TPC members for their dedicated and professional work. ICCIT-2015 is sponsored by Emirates College for Advanced Education and in collaboration with the University of Western Ontario - Canada. We have received 75 paper submissions. Only 35 papers were accepted and will appear in the conference proceedings with an acceptance ratio of 47%.

In addition, we are privileged to have excellent Keynote Speeches by Prof. A. Shami, (Western University - Canada), Prof. A. Al-Dweik, (KUSTR) and Guests Speaker Prof. Timothy Reagan, (Dean of Graduate School of Education – Nazarbayev University). Prof. B. Cole, a leading authority in the area of Communication. Prof. M. Karam, an expert in programs and academic accreditations. Prof. Fethi Belgacem, a pioneer in Sumudu Transform and Prof. G. K. Karagiannidis (KUSTR). Moreover, we are honored to have a keynote participation from Prof. A. Nasri (President of Fahd Bin Sultan University - KSA)

Finally, we would like to thank our Honorary Conference Chair Dr. Arif Sultan Al Hammadi, and Prof. Mohammad Banyas and Mr. AbulAziz Al-Raeesi for initiating and supporting this event. We hope that you will find the conference stimulating, informative and enjoyable.

Prof. Jalal Karam
ICCIT-2015 General Co-Chair

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Dr. Ahmed Refaey, Mircom Group, Canada

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Program at Glance

Date	Time	Event	
Day 1 Wednesday - May 20, 2015	08:00am – 9:00am	Registration Open	
	9:00am – 9:30am	Opening Ceremony	
	9:30am – 10:30am	Guest speaker **Prof. Tim Reagan** Language Planning and Language Policy	
	10:30am – 11:00am	Coffee Break	
	11:00am – 1:00pm	Session 1: Guest Speaker **Prof. Barbara Cole** Teaching Management and Research (Ballroom 2)	Session 2: Keynote Speaker **Prof. Ahmad Nasri** Virtual Fitting Room for online Shopping (Ballroom 3)
	1:00pm – 2:30pm	Lunch	
	2:30pm – 4:30pm	Session 3: Guest Speaker **Dr. George Karagiannidis** Wireless communications (Ballroom 2)	Session 4 Keynote Speaker **Dr. Arafat Al Dweik** ICT Next Generation (Ballroom 3)
Day 2 Thursday - May 21, 2015	8:00am – 8:30am	Registration Open	
	8:30am – 10:30pm	Session 1: Guest Speaker **Prof. Marcel Karam** Academic Accreditation (Ballroom 2)	Session 2 Guest Speaker **Dr. Fethi Belgacem** Sumudu Transform (Ballroom 3)
	10:30am – 11:00am	Coffee Break	
	11:00pm – 1:00pm	Session 3: Keynote Speaker **Prof. Abdallah Shami** Networks (Ballroom 2)	Session 4: Internet (Ballroom 3)
	1:00pm – 2:30pm	Lunch	
	2:30pm – 4:00pm	Session 5: Systems (Ballroom 2)	Session 6: Gulf Education (Ballroom 3)
	7:00pm – 10:00pm	Ballrooms 2 and 3	**Social Event/Dinner**

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Technical Program

Day 1, Wednesday May 20, 2015

Time	Event
9:00 – 9:30	Opening Ceremony
9:30 – 10:30	*Invited Speaker: Prof. Timothy Reagan* *Title:* *Language Planning and Language Policy in Education: International Perspectives on National Challenges* *Chair: Prof. Jalal Karam* *Ballrooms: 2 and 3*
10:30 – 11:00	**Coffee break**
11:00 – 1:00	**Session: 1** **Title**: Teaching Management and Research **Chair: Dr. Mary Lynn Woolsey / Dr. Shaljan Areepattamannil** **Ballroom** 2 1. **[Invited Speaker] Prof. Barbara Cole,** Teaching management and research within a science and technology classroom: Why and How? 2. A Digital Story for Digital Natives**: Mouna Abou Assali** (Emirates College for Advanced Education)- UAE 3. Availability and Use of ICT at Home and School: Relations to Adolescents' Mathematics Achievement and Dispositions towards Mathematics in 39 Countries: **Shaljan Areepattamannil** (Emirates College for Advanced Education - UAE) 4. An Exploratory Study of the Lived Experiences of Japanese Undergraduate EFL Students in the Flipped Classroom: **Jeff Mehring** (Ohkagakuen University, Toyoake, Japan)
11:00 – 1:00	**Session: 2** **Title**: Virtual Fitting Room for Online Shopping **Chair: Dr. Salah Al Majeed / Dr. Ieda Santos** **Ballroom** 3 1. **[Keynote Speaker] Prof. Ahmed Nasri**: Virtual Fitting Room for On-line Shopping. 2. Cloud-Based Learning Model Based on Depth Searching in Knowledge Representation: **Osama Al Qadoori** (Emirates College for Advanced Education - UAE) 3. Utilization Elementary Siphons of Petri Net to solved deadlocks in Flexible manufacturing Systems: **Mowafak Hassan Abdul-Hussin** (University of Technology, Baghdad & Central Technical Information's &

	Communications, Iraq)
	4. Reliability Prediction Modelling for Wireless Communication Networks: **Lela Mirtskhulava** (Iv. Javakhishvili Tbilisi State University, Department of Computer Sciences, Tbilisi, Georgia) **Salah Al-Majeed** (Military Technological College - MTC, Oman)
1:00 – 2:30	**Lunch**
2:30 – 4:00	**Session: 3** **Title**: Wireless Communications **Chair: Prof. Mohamad Fahim / Dr. Mouna Abou Assali** **Ballroom** 2 1. **[Invited Speaker] Prof. George Karagiannidis:** Wireless Communications: What is next? 2. A Model for Smart Class System to Enhance Educational Management: **Marcel Karam** (American University of Beirut, Lebanon); **Mehdi Masoud** (Taif University, Saudi Arabia); **Ahmad Siddiqui** (College of Computers and Information Technology, Taif University, Taif, Saudi Arabia) 3. Basic Programming Constructs - A Real-Time Monitoring Approach: **Marcel Karam**, **Ibrahim El Rube**, **Sultan Aljahdali** and **Mehdi Masoud** (Taif University, Saudi Arabia) 4. A framework for developing intrusion detection system using data mining algorithm: **Solane S. Duque** (Universiti Utara Malaysia, Oman) 5. Spectral Efficiency Optimized MIMO Transmission using AMC and Power Assignment based on SNR Ordering: **Mehrdad Taki**, **Sina Jorjani** and **Ramin Bagheri** (University of Isfahan, Iran)
2:30 – 4:00	**Session: 4** **Title**: ICT Next Generation **Chair: Dr. Osama Al Qadoori / Dr. Salah Al Majeed** **Ballroom** 3 1. **[Keynote Speaker] Dr. Arafat Al - Dweik**: The Role of ICT in Next Generation Highways Infrastructure 2. Introduction to control theory and stability of one-dimensional Bresse system: **Abdelaziz Soufyane** (AlHosn University, College of Engineering and Applied Sciences, UAE) 3. Computational Inverse Techniques in Nondestructive Evaluation Using Neural Networks for detection of cracks: **Salaheddine Harzallah** and Mohamed Chabaat (University of Sciences and Technology HouariBoumediene, Algeria); **Fethi B. M. Belgacem** (Faculty of Basic Education, Public Authority for Applied Education and Training (PAAET)

| | & Tunisian Think Tank for Strategic Mathematics (T3SM), Kuwait); **Sekoura Benissad** (University of Sciences and Technology **Houari Boumediene**, Algeria) |
| | 4. Weighted Water-Filling Algorithm with reduced computational complexity: **Naidu Kalpana** (Indian Institute of Technology Hyderabad & Hyderabad, India); **Mohammed Zafar Ali Khan** (Indian Institute of Technology, Hyderabad, India) |

Day 2, Thursday May 21, 2015

	Session: 1 **Title**: Academic Accreditation **Chair: Dr. Nagla Ali / Mr. Anthony Hill** **Ballroom** 2 1. [**Invited Speaker**] **Prof. Marcel Karam** Can We Get Accreditation (Abet or Local Accreditation) Right the First Time? 2. Reflection on Students' Final Grades within a Digital Literacy Course: **Patricia Fidalgo** (Emirates College for Advanced Education, UAE); **Ieda M. Santos** and **Anthony Hill** (Emirates College for Advanced Education, UAE) 3. Impact of a training activity using a systemic pedagogical innovative tool: Pre-service teacher trainers' e-learning culture at the center of the process: **Genny Villa** (Université de Montréal, Canada) 4. The Use of Quick Respons (QR) Codes at ECAE: **Naglaa Ali** (Emirates college of advanced education, UAE); **Ieda M. Santos** (Emirates College for Advanced Education, UAE)
8:30 – 10:30	
	Session: 2 **Title**: Sumudu Transform **Chair: Dr. Rida Blaik Hourani / Dr. Farouq Almeqdadi** **Ballroom** 3 1. [**Invited Speaker**] **Dr. Fethi Belgacem** Investigations and Applications Aspects of the Real Order Sumudu Transform in Science and Technology 2. Statistical Study To Measure Overall Student's Progress In The Foundation Program At The University of Buraimi: **Ihab Abdelwahed**, IA (Higher Colleges of Technology, UAE) 3. The effect of ALEKS on Students' Mathematics achievement compared to Traditional Classes at Higher Colleges of Technology (HCT): **Ihab Abdelwahed**, IA and **Janeeshla Jugmohan** (Higher Colleges of Technology,
8:30 – 10:30	

	UAE); **Ziad Traish** (HCT, UAE)
	4. Reflections on Pre-service Teachers' Performance Standards: **Rida Blaik Hourani** (Emirates College for Advanced Education, UAE)
10:30 – 11:00	**Coffee Break**
11:00 – 1:00	**Session: 3** **Title**: Networks **Chair: Prof. Jalal Karam / Prof. Mohamad Fahim** **Ballroom** 2 1. [**Keynote Speaker**] Prof. Abdallah Al Shami 2. Online Exams For Better Students' Performance: **Salah Al-Majeed** (Military Technological College - MTC, Oman); **Sarim Naji Al-Zubaidy** (Heriot-Watt University, Dubai campus, UAE); **Sumaiya Al Salmi** (MTC, Oman) 3. Non-Invasive Occupant Density Tracking using Wi-Fi Fingerprint Matching Algorithm: **Eros Gulo**, **Amaneh Jadidi**, **Gunho Sohn** and **Regina Lee** (York University, Canada); **Jason Falbo** (Mircom Group, Canada) 4. Improvising Technique of Privacy Preservation in Outsourced Transaction Database: **Jinal Parmar** (Hasmukh Goswami Collage Of Engineering & GTU, India); **Vinit Gupta** (Hasmukh Goswami Collage Of Engineering, India)
11:00 – 1:00	**Session: 4** **Title**: Internet **Chair: Dr. Ieda Santos / Dr. Mouna Abou Assali** **Ballroom** 3 1. Cyber Education Systems: **Imran Mukhtarov** and **Arif Garashov** (International Education and Innovations Center under the Ministry of Education of Azerbaijan & International Education and Innovations Center under the Ministry of Education of Azerbaijan, Azerbaijan) 2. Internet of Things: Features, Challenges, and Vulnerabilities: **Ebraheim Alsaadi** (Zayed University & Abu dhabi Police, UAE**); Abdallah Tubaishat** (Zayed University, UAE) 3. A Reliable Redundancy Management Mechanism for AFDX End System**: Shyoram Gurjar** (Vignans University for Science Technology and Research, India) 4. A Comparative Performance Study of Objective function of RPL in Low-power and Lossy Networks (LLN): **Azza Mohammed** (DJILALI LIABES University, Algeria)
1:00 – 2:30	**Lunch Break**
2:30 – 4:00	**Session: 5**

	Title: Systems **Chair: Dr. Nagla Ali / Dr. Mary Lynn Woolsey** **Ballroom** 2 1. Store and Forward Fax over IP for Multicast Systems**: Abdul Haseeb** (Institute of Space Technology, Pakistan) 2. Enhancing Privacy Preservation of Stature System Through HomomorphicSystem: **Ankita Thadani** and **VinitKumar Gupta** (Gujarat Technoligical Tniversity, India) 3. Innovative Learning by Doing using Microcontroller Embedded DIY Kits: **Said Kafumbe** (Higher Colleges of Technology, UAE) 4. Cluster Formation and Low Control Overhead for Cluster Maintenance in Wireless Network: **Nilesh Goriya and Indr Jeet Rajput** (Hasmukh Goswami College of Engineering, India); **Mehta Mihir** (Gujarat Technological University, India) **5.** Random Forest Ensemble Learning for Object Recognition Using RGB Features Along Object Edge: **Prajowal Manandhar**, **Zeyar Aung**, **Wei Lee Woon** and **Prashanth Marpu** (Masdar Institute of Science and Technology, UAE)
	Session: 6 **Title**: Gulf Education **Chair: Dr. Nagla Ali / Dr. Farouq Almeqdadi** **Ballroom** 3 1. Pre-Service Teachers' Acceptance of Technology-Rich Learning Environments in Abu Dhabi: **Scott Parkman** (Emirates College for Advanced Education - UAE) 2. Participative Decision Making and Job Satisfaction for Teachers in UAE: **Samira Al Nuaimi** (Emirates College for Advanced Education - UAE) 3. A Case Study of Student Smartphone App Use in Saudi Arabia: **Mark Olson** (Prince Sultan University, Saudi Arabia) 4. Instructor Modelling Social Presence: The Implications for Learning Communities: **Myint Khine** and **Ieda M. Santos** (Emirates College for Advanced Education, UAE)
2:30 – 4:00	
	Session: 7 **Title**: Closing Session **Chair: Prof. Abdallah Al Shami / Prof. Jalal Karam** **Ballrooms 2 and** 3
4:00 – 4:30	

| 7:00 – 10:00 | Social Event/Dinner |

THANK YOU FOR SHARING YOUR RESEARCH WITH US