2018 7th International Conference on Software and Information Engineering *(ICSIE 2018)*

2018 1st International Conference on Network Technology *(ICNT 2018)*

May 2-4, 2018.

Cairo, Egypt

CONFERENCE SUMMARY REPORT

Published by：

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The BUE hosted two international conferences running concurrently from the 2nd to 4th of May 2018. The first event was the 7th International Conference on Software and Information Engineering (ICSIE 2018: www.icsie.org). The Second was the International Conference on Network Technology (ICNT: www.icnt.org). Both conferences offered extensive programs of interest to academia, government and industry, and included several distinguished keynote-speakers. The Faculty of Informatics and Computer Science in The British University in Egypt (BUE) welcomed scientists, researchers, professors, and doctoral students from over 16 countries to share knowledge in software and information engineering and the latest research in Computer Science and Networking **research**. All accepted and presented papers were published either in the ACM proceedings or in the JCM (Journal of Communications), IJMLC (International Journal of Machine Learning and Computing), JAIT (Journal of Advances in Information Technology) and have been submitted to **SCOPUS,** Thomson Reuters, **Ei Compendex,** DBLP; ULRICH's Periodicals Directory and INSPEC for indexation.

International Keynote Speakers were prof. Magne Jorgensen from the Simula Research Laboratory in Norway. Prof. Hesham H. Ali, The Dean of College of Information Science & Technology, University of Nebraska Omaha, USA and Prof. Christopher Nwosisi, the College of Westchester and Pace University, New York, USA.

Prof. Omar Karam, Dean of the Faculty and member of the Advisory Committee confirmed that 45 papers were presented and were published in the conferences' proceedings.

All those who contributed to the conference:

Thank you for all your excellent work!

It is fair to conclude that the conference was a great success! So many people have contributed in so many ways to turn this event into a smoothly running meeting with many very interesting presentations and posters and a very good atmosphere for discussion and networking.

I thank all sponsors and supporters for their generosity and interest in the conference. The staff and students of the Faculty of Informatics and Computer Science are especially thanked for their enormous and high-quality support. You as participants are thanked for all your great scientific input and for many fruitful discussions and scientific interaction.

Professor Ahmed Hamad, President

The British University in Egypt (BUE)

Thank you, everyone, for a successful event!

Dear respective guests, participants, and colleagues,

Your presence helped to make these two events a great success and your enthusiasm and positive spirit helped make our time together both productive and fun

It was certainly a great privilege for the British University in Egypt to host these conferences and to welcome the distinguished attendees. It was also a great opportunity for us all to listen to the outstanding keynote speakers who were kind enough to join us and to share their knowledge and experiences.

91 papers were submitted from different countries including Canada, Spain, USA, UK, Australia, Japan, China, India, Malaysia, Ecuador, Morocco, Algeria, Jordan, Tunisia, and Bangladesh. Of these all papers, only 45 papers were accepted for presentation and publications.

Outstanding work was presented at the conferences and it is certain that successful future editions will follow. Our gratitude is owed to all who made these events such a success especially Professor Ahmed Hamad (BUE President and Conference Honorary Chair), Professor Yehia Bahei Eldin (BUE Vice President for Research), Professor Omar Karam, Dean of the Faculty of Informatics and Computer Science (ICS) and H. E. Mr. M. Farid Khamis (Chair of the BUE Board of Trustees).

I want to express my appreciation to the many individuals and colleagues who contributed to the success of **The 7th International Conference on Software and Information Engineering (ICSIE 2018**) and The **1st International Conference on Network Technology (ICNT 2018)** held The British University in Egypt (BUE) in May 2-4, 2018, Cairo, Egypt.

We wish you all the best and hope that you continue to be engaged with our forthcoming conferences. Stay tuned for upcoming events by visiting http://www.bue.edu.eg/

Conference Chair

Professor Dr. M. Samir Abou El-Seoud

Submitted by

ICNT and ICSIE 2018 Evaluation and Assessment Committee:

Prof. Samir El-Seoud (Chair, BUE), Prof. Omar Karam (Dean of ICS, BUE), Teri Zhang and Mandy J. L. Ming (Conference representatives, Chengdu Zonghang Exhibition & Service Co., Ltd).

ABOUT ICNT and ICSIE 2018 INTERNATIONAL CONFERENCES

The two International conferences ICSIE and ICNT 2018 ware held at the British University in Egypt (BUE), Cairo, Egypt. The two conferences offered three parallel sessions and one poster session. Both conferences have concluded their work successfully in time.

Total of 91 papers were submitted to both conferences from different countries including Canada, Spain, USA, UK, Australia, Japan, China, India, Malaysia, Ecuador, Morocco, Algeria, Jordan, Tunisia, and Bangladesh. Of these all papers, only 45 papers were accepted for presentation and publications.

Total number of 66 papers were submitted for ICSIE conference and only 37 papers were accepted for presentation. Total number of 25 papers were submitted for ICNT conference and only 8 papers were accepted for presentation. Total number of accepted papers for both conferences ware 45.

Both conferences offered an extensive program of interest to academia, government and industry. Both conferences included several distinguished keynote speakers. A series of exciting speeches to develop skills in and advance awareness of requirements engineering practices was of particular interest to academia and industry.

ABOUT ICNT and ICSIE 2018 INTERNATIONAL CONFERENCES

ICNT 2018

ICNT 2018 topics include, but are not limited to, the following research and development areas/fields

1. 3G & 4G Mobile Communication Services
2. Antennas & Propagation
3. Broadband & Intelligent networks
4. Cloud Computing & Big Data Analysis
5. Communication Systems and Networks
6. Complex Systems: Modeling and Simulation
7. Computer Networks and Security
8. Distributed Sensor Networks
9. Emerging Technologies & Applications
10. ICT & Intelligent Transportation
11. ICT in Environmental Sciences
12. Image & Multimedia Applications
13. Intelligent Computing Systems
14. Internet Applications & Performances
15. Internet Technology and Applications
16. Internet of Things (IoT)
17. Mobile Networks & Services
18. Mobile/Wireless Computing
19. Modelling and Simulation
20. Network Management and services
21. Networking Theory & Technologies
22. Next Generation Networks
23. Optical Communications
24. Parallel and Distributed Computing Networks
25. QoS Management
26. Real-Time and Embedded Systems
27. Satellite & Space Communications
28. Security and Cryptography
29. Wireless & Wireline Communications

ICSIE 2018

ICSIE 2018 topics include, but are not limited to, the following research and development areas/fields

1. Artificial Intelligence
2. Bioinformatics
3. Communication Systems and Networks
4. Component-Based Software Engineering
5. Computer Vision & Pattern Recognition
6. Design Patterns and Frameworks
7. Distributed and Intelligent Systems
8. Economic and Financial Systems
9. Embedded Systems
10. Empirical software engineering
11. Formal Methods and Tools
12. Healthcare Engineering
13. Human-Computer Interaction
14. Information Management Systems
15. Information Systems Engineering
16. Internet and information Systems development
17. Knowledge based software engineering
18. Object-Oriented Technology
19. Parallel and Distributed Computing
20. Signal & Image Processing
21. Software Process Models
22. Formal Methods and Tools
23. Software requirements engineering
24. Software testing and analysis
25. Technology Transfer
26. Telecommunications
27. Theory and formal methods
28. Virtual Reality and Computer Graphics
29. Web Engineering


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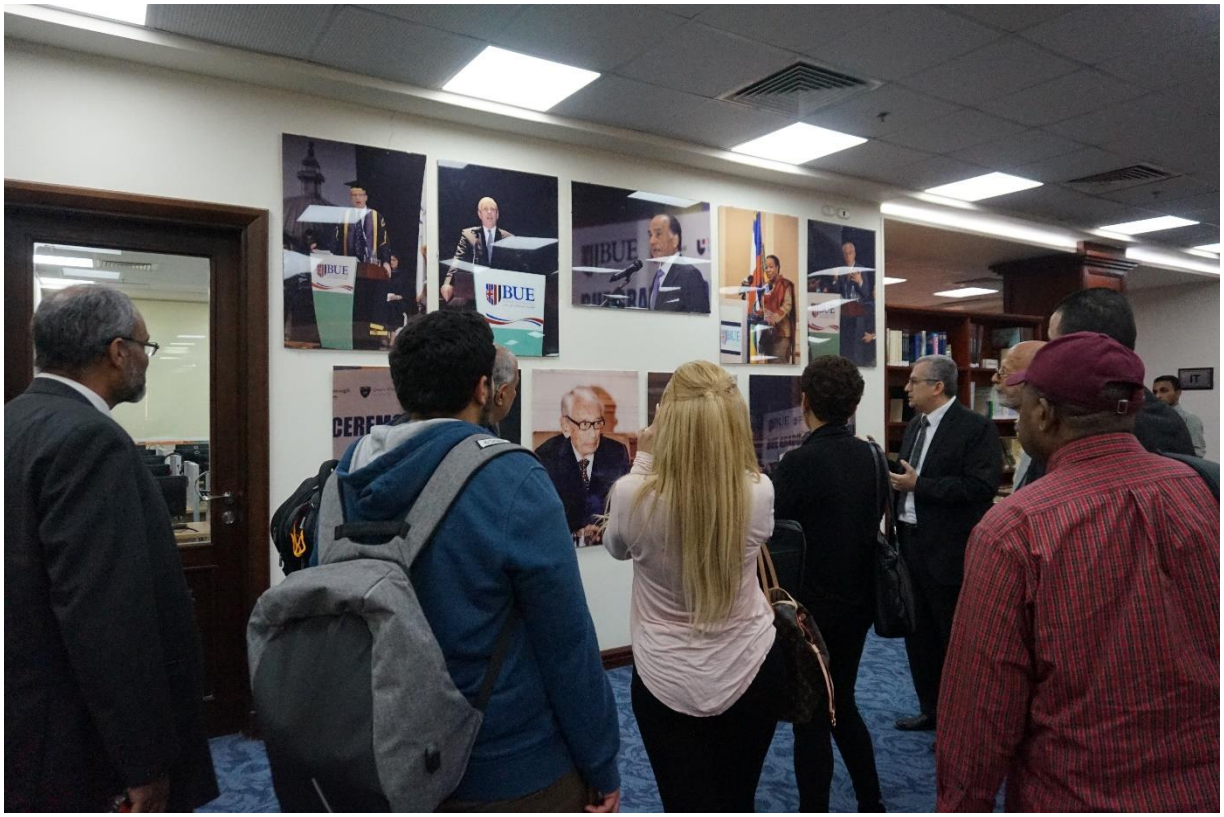
Supported by
ICPS
Journal of Communications
IGIP
BUE
IAOE.
JSPS


Best Presentation Award

REGISTRATION AND BUE TOUR

The first day of the 2 conferences Wednesday, May 2, 2018 started with conference check-in and material collection (10:00 - 14:00), followed by a BUE tour including the library and Faculty of Dentist (14:00 – 16:00).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BUE

WELCOMING AND OPENING CERENOMY

The first day of the conference started with Welcoming and Opening Ceremony at the Auditorium of BUE. The opening Ceremony shared by Professor Samir Abou El-Seoud (Conference chair).

The following representatives of BUE addressed to participants with short welcoming speeches.

Prof. Samir Abou El-Seoud,
Conference chair

Professor Omar Karam,
Dean of ICS at BUE

Professor Yahia Bahei El-Din
Vice-President of Reseach and Graduate Studies, BUE

Professor Ahmed Mohamed Hamad,
President of BUE

H.E. Mr. Farid Khamis, Chairman of the Board of Trustees, BUE

Professor Ahmed Hamad, BUE President and Professor Naoko Fukami, Director of Research Station, Cairo; the Japan Society for the Promotion of Science (JSPS). Welcome meeting to discuss possible cooperation with BUE

KEYNOTE SPEACHES

Speaker I

Prof. Magne Jørgensen, Simula Research Laboratory, Norway

Speech Title: From Myths and Fashions towards Evidence-Based Software

Abstract: The software engineering discipline contains numerous myths and over-simplifications. Some of them may be harmless, but others may lead to inefficient practices and contribute to a fashion- and myth-based software engineering discipline. In this presentation I give examples of software engineering myths and over-simplifications, discuss how they are created and spread and illustrate how it is possible to base important software engineering decision and practice on available evidence from research, practice and own empirical studies. A move towards evidence-based software engineering requires that software professionals become more critical towards claims, know how to formulate answerable questions, collect and evaluate evidence and use evidence to guide important decisions. This requires training and, not least, a change in mindset. Results on how to do this are presented.

Biography: Magne Jørgensen received the Diplom Ingeneur degree in Wirtschaftswissenschaften from the University of Karlsruhe, Germany, in 1988 and the Dr. Scient. degree in informatics from the University of Oslo, Norway, in 1994. He is a professor of software engineering at the University of Oslo and a member of the software engineering research group at the Simula Research Laboratory. He has 10 years industry experience as a consultant and manager. His research interests include software estimation, uncertainty assessments in software projects, expert judgment processes, and learning from experience.

Magne Jørgensen works as a researcher at Simula Research Laboratory and a professor at the University of Oslo. Previously, he worked with software development, estimation, and process improvement in the telecom and insurance industry. He is one of the founders of evidence-based software engineering and teaches this to students and software professionals.

His current main research interest is effort estimation, bidding processes, outsourcing, and software development skill assessments

Speaker II

Prof. Hesham H. Ali, The Dean of College of Information Science & Technology, University of Nebraska Omaha, USA

Speech title: Wireless Sensors and Big Data Analytics in Continuous Health Monitoring

Abstract: The last several years have witnessed major advancements in the development of sensor technologies and wearable devices with the goal of collecting various types of useful data in many application domains. Based on such technologies, many wireless devices have swamped the market and found their way on the wrists and belts of many users Although these developments are certainly welcomed, so much left to be done to take full-advantage of the data gathered by such devices. The most critical missing component is the lack of advanced data analytics. In the case of health monitoring, like many aspects of healthcare, the focus has been primarily on producing devices with data collection capabilities rather than developing advanced models for analyzing the available data. There is much needed balance between data gathering and data analysis. In this talk, we attempt to fill this gap by proposing various data integration and analysis models. We are interested in gathering mobility data that can be used to classify the daily activities of each individual, which in turn can be used to build a mobility pattern associated with that individual for a given time period. We utilize a graph-theoretic mechanism to zoom in and out of the networks and extract different types of information at various

granularity levels. The proposed approach can potentially be used to assess health levels of individuals as well as to predict health hazards in various medical applications. It can also serve as the core of a decision support system to help healthcare professionals provide more advanced healthcare support.

Biography: Hesham H. Ali is a Professor of Computer Science and the Lee and Wilma Seaman Distinguished Dean of the College of information science and Technology (IS&T), at the University of Nebraska at Omaha (UNO). He currently serves as the director of the UNO Bioinformatics Core Facility that supports a large number of biomedical research projects in Nebraska. He has published numerous articles in various IT areas including scheduling, distributed systems, data analytics, wireless networks, and Bioinformatics. He has also published two books in scheduling and graph algorithms, and several book chapters in Bioinformatics.

He is currently serving as the PI or Co-PI of several projects funded by NSF, NIH and Nebraska Research Initiative (NRI) in the areas of data analytics, wireless networks and Bioinformatics. He has been leading a Research Group at UNO that focuses on developing innovative computational approaches to classify biological organisms and analyze big bioinformatics data. The research group is currently developing several next generation data analysis tools for mining various types of large-scale biological data. This includes the development of new graph theoretic models for assembling short reads obtained from high throughput instruments, as well as employing a novel correlation networks approach for analyzing large heterogeneous biological data associated with various biomedical research areas, particularly projects associated with aging and infectious diseases. He has also been leading two funded projects for developing secure and energy-aware wireless infrastructure to address tracking and monitoring problems in medical environments, particularly to study mobility profiling for healthcare research.

Speaker III

Prof. Samir A. El-Seoud, British University in Egypt, Egypt

Speech Title: Mixed Reality in minimally invasive surgeries

Abstract: In orthopedic surgery, it is important for physicians to completely understand the three-dimensional (3D) anatomical structures for several procedures. With the current revolution in technology in every aspect of our life, mixed reality in the medical field is going to be very useful. However, medicine has a visualization problem hindering how surgeons operate. The surgeons are required to imagine the actual 3D structure of the patient by looking at multiple 2D slices of the patients' body. This process is time consuming, exhausting and requires special skill and experience. Moreover, patient and surgeon are exposed to extra x-ray doses.

Therefore, it is important to provide the surgeon with a better way to diagnose the patient; a way that is more accurate and locates where the problem is in a faster and more efficient manner. Medical imaging systems usually provide 3D images that can guide interventional clinical procedures. However, it is difficult to map the 3D anatomical structure with real objects. This project investigates and solves this problem by providing a mixed reality technology solution that merges the 3D image with real objects to facilitate the work progress of the surgeon. The proposed solution is an interactive mixed reality (MR) system for minimally invasive surgeries. The system is based on mapping the patient volume scan using computed tomography (CT) or Magnetic Resonance Imaging (MRI) to a 3D model of the patient's body. The rendered model can be used in MR system to view 3D human structures through a set of wearable glasses.

Biography: Professor Samir Abou El-Seoud received his BSc degree in Physics, Electronics and Mathematics from Cairo University in 1967, his Higher Diplom in Computing from Technical University of Darmstadt (TUD- Germany) in 1975 and his Doctor of Science from the same University (TUD) in 1979.

Professor El-Seoud helds different academic positions at TUD Germany. Letest Full-Professor in 1987. Outside Germany Professor El-Seoud spent different years as a Full-Professor of Computer Science at SQU – Oman, Qatar University, and PSUT-Jordan and acted as a Head of Computer Science for many years.

At industrial institutions, Professor El-Seoud worked as Scientific Advisor and Consultant for the GTZ in Germany and was responsible for establishing a postgraduate program leading to M.Sc. degree in Computations at Colombo University / Sri-Lanka (2001 – 2003). He also worked as Application Consultant at Automatic Data Processing Inc., Division Network Services in Frankfurt/Germany (1979 – 1980). Professor El-Seoud joined The British University in Egypt (BUE) in 2012. Currently, he is Basic Science Coordinator at the Faculty of Informatics and Computer Science (ICS) at BUE. Professor El-Seoud has more than 130 publications in international proceedings and international reputable journals.

Speaker IV

Prof. Naoko Fukami, Director of Research Station, Cairo, Japan Society for the Promotion of Science Promotion Society (JSPS)

Speech Title: Japan Society for the Promotion of Science (JSPS); Functions, Structures and Strategies

Abstract: JSPS's funding strategies to support basic research and scientific breakthroughs, focusing on international research collaborations between Egypt and Japan and to invite researchers to Japan.

The former is consisting of:

1. Bilateral Cooperation and
2. Core to Core program,

and the latter is consisting of

1. Hope Meeting,
2. Fellowship Program and
3. Ronpaku program.

For Bilateral Cooperation with Egypt: Based on MoUs, JSPS concluded the agreement with Ministry of Higher Education / Ministry of Scientific Research to implement joint research projects and seminars. In addition to our traditional bilateral programs, we have launched a scheme that allows bilateral cooperation with agencies that do not have MOUs with JSPS. It provides funding to the Japanese researchers, and their counterpart researchers are expected to secure matching funds on their own from any funding agencies.

In the Core-to-Core Program, we fund multilateral initiatives by universities and research institutions in order to create a consortium of world class research hubs.

Collaborations that include Egypt is eligible for both type A, Advanced Research Networks and type B, Asia-Africa Science Platform. Each project is required to have two or more partner countries. 3) To foster future scientific leaders in the Asia-Pacific as well as to build networks among them, JSPS has been holding HOPE Meetings since 2008. These meetings provide excellent PhD students in the region with opportunities to engage in interdisciplinary discussions with Nobel laureates and with their peers from other countries and areas. 4)JSPS fellowship programs are the main instruments for inviting foreign researchers to the Universities and other research institutions in Japan. JSPS carries out a variety of invitation fellowship programs that are designed to coincide with the researchers' various career stages and purposes for coming to Japan. For example, JSPS's postdoctoral fellowships invite promising young researchers from overseas to Japan for a period of 1-2 years. JSPS supports their roundtrip international airfare, monthly maintenance allowance, and a settling-in allowance. Basically, fellows are selected based on the scientific value of their research plans, irrespective of their fields or nationalities. 5) JSPS Ronpaku Program is quite unique. This allows selected fellows to usually stay in their own country, and to visit Japan to prepare for their dissertation with their Japanese supervisors for a certain days a year till they receive PhD degree within 3 years. The Japanese supervisors are also allowed to visit the fellow in return. Before introducing the topic, the lecture will start with a brief introduction of JSPS and our mission, what we do. The lecture will also touch upon JSPS Cairo Station's activities.

Biography: Naoko Fukami is a Director of Research Station, Cairo, Japan Society for the Promotion of Science Promotion Society (JSPS) since 2015. She makes a project of Revitalization and Sustainability of Communities in Historic Cairo, supported by TOYOTA Fund from 2016 to 2018. She obtained her M.Sc from Tokyo Metropolitan University in 1981 about Islamic Architecture in Daccan from the 14th to 17th century, and Ph.D. from Yokohama National University in 1998 about Muqarnas, its origin and development. She was a Visiting Professor Institute of Oriental Culture from 1999 to 2001, University of Tokyo, making the Digital Archive: by the Mission for Indian History and Archaeology, University of Tokyo in 1959-1962. She was a Professor, Organization for Islamic Area Studies, Waseda University from 2012 to 2014, she joined the project of Islam and Multiculturalism. Her books are NHK Project of Asian Historical Cities, Recollected Isfahan, "Isfahan-The Dream of Oasis", pp169-199, NHK Publication, 2002, "The World of Islamic Architecture", Kodansha Genndai-Shinsho, 2005 "World history in Islamic Architecture", Iwanami Shoten, 2013, etc.

Speaker V

Prof. Christopher Nwosisi, The College of Westchester & Pace University New York, USA

Speech Title: Extended Study of the Flipped Classroom and Its Effectiveness

Abstract: The traditional pattern of teaching has been to assign students to read textbooks and work on problem sets outside of school, while listening to lectures and taking tests in the classroom. With the introduction of Flipped instruction or a flipped classroom, the students learn new content online by watching video lectures, usually at home. What used to be homework (assigned problems) is now done in class with teachers offering more personalized guidance and interaction with students, instead of lecturing. In our study, thirty to fifty percent of the course content was flipped. Results on six of the courses used will be presented and discussed.

Biography: Dr. Nwosisi graduated with a Bachelors Degree in Computer Science from Hunter College of CUNY, a diploma of Application Design from Columbia University, an M.S. degree in Management of Technology from Polytechnic University, and a D.P.S. in Computing from Pace University. At all of these institutions, he was awarded a number of honors for academic excellence and for unusual achievement in basic research. Currently, he is a senior member of the Institute of Electrical Electronic Engineer Computer Society (IEEE).

He has served as Research Chair, Education Chair, Membership Chair, Certification Systems Professional Coordinator, and a member of the Board of Directors for the Association for System Management (ASM) - New York Chapter. He has also served as a member of the Planning Committee, Treasurer, Secretary and a member of the executive committee for the Institute of Electrical Electronic Engineer Computer Society (IEEE) - New York Chapter.

Dr. Nwosisi was an outstanding communicator in his over 20-year tenure in vascular surgery at Montefiore Medical Center and Albert Einstein College of Medicine in New York (USA). He was an outstanding research coordinator as a result of his outstanding ability to communicate with various members of the research team at all levels within the organization. Much of this research dealt with the underlying mechanisms of computing to predict bypass graft patency, abdominal aortic aneurysm rupture, deep venous thrombosis, vascular laboratory workflow and patient centered care in healthcare systems.

During his tenure at Montefiore Medical Center and the several years immediately following it, Dr. Nwosisi engaged in a large number of clinical research projects, numbering more than 250+. Almost all of these projects resulted in presentations at important international, national and regional meetings. Most of these projects resulted in the publication of over 200 articles in major peer-reviewed journals.

To date, Dr. Nwosisi has been the foundation for allowing the research team at Montefiore Medical Center to author or co-author various vascular textbooks, review articles, book chapters, and new research ideas changing the treatment options of patients afflicted with vascular disease.

In addition, Dr. Nwosisi is a charismatic teacher and mentor who is admired and respected by his trainees/colleagues at the college level, medical/nursing/administrative level, medical/surgical resident level and physician level. He is a most articulate speaker who presents extremely well at international, national and regional conferences. He is a talented researcher and computer technologist who is commonly asked to tackle complex research problems in members of our faculty and by other physicians.

Program at a Glance

Wednesday, May 2, 2018		
10:00 -14:00	**Conference Check in and Materials Collection**	Basement Building E
14:00-16:00	**BUE Tour**	
Thursday, May 3, 2018		
8:30 – 9:00	**Conference Check in and Materials Collection**	Auditorium Entrance
Opening Ceremony		
9:00-9:15	Prof. Samir A. El-Seoud The British University in Egypt, Egypt (Conference Chair)	Auditorium
9:15-9:25	Prof. Omar Karam (Dean of Informatics and Computer Science, The British University in Egypt, Egypt)	
9:25-9:45	Prof. Yehia Bahei ElDin (Vice President of BUE, The British University in Egypt, Egypt)	
9:45-9:55	Prof. Ahmed Mohamed Hamad (President of The British University in Egypt, Egypt)	
9:55-10:15	H. E. Mr. Farid Khamis (Chairman of the Board of Trustees, The British University in Egypt, Egypt)	
Speeches		
10:15-10:45	**Speech I** Prof. Magne Jørgensen Informatics at University of Oslo, Norway	Auditorium
10:45-11:30	**Coffee Break & Group Photo**	Auditorium Entrance

11:30-12:00	**Speech II** Prof. Hesham H. Ali The Dean of College of Information Science & Technology, University of Nebraska Omaha, USA	Auditorium
12:00-12:30	**Speech III** Prof. Samir A. El-Seoud The British University in Egypt, Egypt	
12:30-13:30	**Lunch**	Party Room
13:30-14:00	**Speech IV** Prof. Naoko Fukami Director of Research Station, Cairo, Egypt, Japan Society for the Promotion of Science (JSPS)	Auditorium
14:00-14:30	**Speech V** Prof. Christopher Nwosisi, The College of Westchester & Pace University New York, USA.	
Parallel Sessions		
14:30-16:15	**Session 1.1**: **Data Mining and Cloud Computing** ***7 Presentations*** **IE048 IE010 IE011 IE021 IE038 IE053 IE060**	Seminar Room 1
14:30-16:15	**Session 2.1**:**Computer Science and Information Engineering** ***7 Presentations*** **IE001 IE006 IE016 IE044 IE002 IE004 IE029**	Ibrahim Badran Hall
14:30-16:15	**Session 3.1**:**Communication Engineering and Image Processing** ***7 Presentations*** **IE009 IE026 IE033 NT001 NT005 NT016 NT018**	Board Room
16:15-16:30	**Coffee Break**	Auditorium Entrance
16:30-18:15	**Session 1.2**: **Data Mining and Cloud Computing** ***7 Presentations*** **IE061 IE003 NT021 IE034 NT006 NT1003 IE043**	Seminar Room 1
16:30-18:30	**Session 2.2**:**Computer Science and Information Engineering** ***8 Presentations*** **IE031 IE040 IE041 IE062 IE008 IE050 IE063 IE065**	Ibrahim Badran Hall

CLOSING CEREMONY

ICSIE 2018 and ICNT 2018 Closing Ceremony was held in Seminar Room 1, 2nd floor, Building C, The British University in Egypt (BUE).

Ladies and gentlemen,

The 7th International Conference on "Software and Information Engineering - ICSIE 2018" and The 1st International Conference on "Network Technology – ICNT 2018" are now drawing to a close. I would like to take this opportunity to extend our sincere gratitude and appreciation to all of you, for your invaluable contributions in making this event a great success.

We hope the past two days have been fruitful and that you will be able to make the most from the sessions you attended. Through the excellent keynote speeches, the wide range of talks presented at the three parallel sessions and discussions, we have been presented with new ways to deal with some of the challenges in Application of ICSIE and ICNT. We hope that you shared your experiences and expertise with other participants from near and far, and that a cordial relationship established among us during the ICSIE and ICNT conferences will further strengthen.

But, of course, the real measure of this conference success lies in how it will affect you - our participants, or more precisely, how it will affect the actions you will take after you leave Egypt. We look forward to further building partnerships with you and your organizations. I hope that all of us will continue what we have started here these days.

Before I conclude, I would like to invite all of you for the next ICSIE and ICNT International Conference 2019, the location of which will announced later.

Thank you for being here in Egypt with us and have a safe journey home.

Now let me ask Professor Omar Karam, Dean of Faculty of Informatics and Computer Science (ICS) at BUE to address few words to you.

Prof. Samir Abou El-Seoud
Conference General Chair

Dear Colleagues, Dear Friends,

Let me begin by thanking Professor Samir for all of his efforts to make this conference successful and for the excellent summary he has just provided. This will help us to plan what we need to do next.

At the opening ceremony, I said that I hoped we would learn new ideas from each other, which we could adopt to further improve our work in this important area. I know that there have been many interesting and useful presentations today, both in the ICNT and in the ICSIE. I would like also to thank our keynote speakers for their excellent presentations. Many of today's presentations demonstrated good practical activities and experiences. I believe many good experiences have been shared and many good lessons learned.

I would also like to take this opportunity to thank our BUE President, Professor Ahmed Hamad and our BUE Vice-President for Research and Post-graduate Studies, Professor Yehia Bahei Eldin for their enthusiastic support of our conference.

Finally, I would like to thank our own staff for their help and support and ensuring that everything is running smoothly.

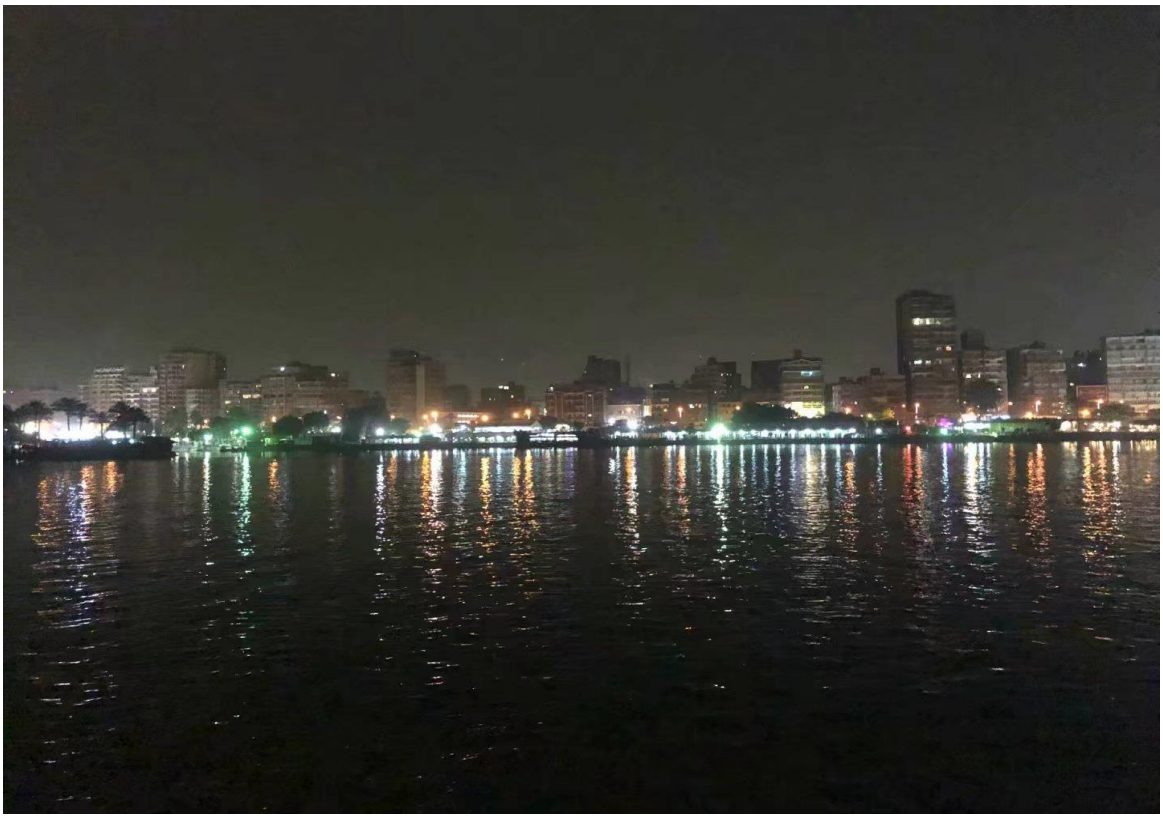
Ladies and Gentlemen, you have had a long day and have participated actively and I am sure you are all looking forward to getting back to your respective homes so I thank you once again for your participation and wish you all a safe journey home.

After the closing session, we will gather at the Auditorium Entrance. The BUE buses will leave at 19:00 to the Opal Boat for our Nile cruise dinner. For those on tomorrow's tour of Cairo, I wish you a wonderful day.

Thank you
Omar Karam
Dean of the Faculty of Informatics and Computer Science (ICS)

SOCIAL PROGRAM and BANQUET DINNER

The conference dinner took place with a glittering 2-hour dinner cruise along the iconic Nile River and was greatly enjoyed by all participants.



No trip to Cairo would be completed without a visit to:

1. The three Giza Pyramids,
2. The Coptic Cairo (Churches & Synagogue Jewish Temple) ,
3. Khan el-Khalili & the Bazar District; an ancient suq (shopping area) that dates back to 1382
4. The Old Cairo.

Participants enjoyed the tour. For many of them, it was unforgetable experience