

The Second E-JUST International Conference on Innovative Engineering



**Under the Auspices of
H.E. Abdel-Fattah El-Sisi,
President of Arab Republic of Egypt**

You are cordially invited to

The Second E-JUST International Conference

On

“Innovative Engineering”

--- For the Promotion of Higher Education in Middle-East and Africa ---

On the Occasion of 5th Anniversary of E-JUST

Bibliotheca Alexandrina, Alexandria

19th - 21st May, 2015

The Second E-JUST International Conference on Innovative Engineering

❖ PROGRAM, 19TH MAY:

OPENING SESSION (17:00-18:30)

Opening Remarks : Prof. Maaaki Suzuki, First Vice President, E-JUST

Welcome Addresses

Prof. Ahmed El-Gohary	President of E-JUST
Dr. Ismail Serag Eldin	Director, Bibliotheca Alexandrina
H.E. Mr. Takehiro Kagawa	Ambassador of Japan to Arab Republic of Egypt
Amb. Fayza Aboul Naga	Chair of Board of Trustees, E-JUST
H.E. Prof. El-Sayed Abdel Khaleq,	Minister of Higher Education

Opening Lecture

"Overview of Higher Education in Japan."

Prof. Dr. Katsuhiko Shirai, Former President, Professor Emeritus,
Waseda University, Japan
Member of Board of Trustees, E-JUST

Welcome Reception (19:00-20:30)

The Second E-JUST International Conference on Innovative Engineering

❖ PROGRAM, 20TH MAY:

<u>SESSION I. Plenary Session / Chair: Professor Said Megahed, Vice President for Education and Academic Affairs</u>	
9:00- 9:30	<i>"JICA's contribution for Higher Education"</i> (tentative) Mr. Kiyoshi. Kodera, Vice President, Japan International Cooperation Agency (JICA)
9:30-9:50	<i>"Egypt's Science and Technology Development Fund: Building a Knowledge-Based Economy"</i> Prof. Amr Adly, Executive Director, Science and Technology Development Fund in Egypt
9:50-10:10	<i>"The Magna Charta Universitatum Contextualised"</i> Prof. Mohamed Loutfi, Vice Chancellor, Cardiff Metropolitan University
10:10-10:30	<i>"Higher Engineering Education of Arab Universities"</i> Prof. Sultan T. Abu-Orabi, Secretary General, Association of Arab Universities
10:30-11:00	<i>"Higher Education of Engineering in Africa, Progress and Challenges"</i> Prof. Mabel Imbuga, Vice Chancellor, Jomo Kenyatta University of Agriculture and Technology
11:00-11:30 Coffee Break / Poster Session (Mizanein Floor)	
<u>SESSION II. Promotion of Higher Education in Middle-East and Africa/ Chair : Professor Tejiro Ichimura, JICA Visiting Academic Advisor for EECE School Dean</u>	
11:30 - 12:00	<i>"Tuning Harmonization in Africa, Methodology applied in Engineering"</i> Dr. Eng. Beatrice. Delpouve, Managing Director, University of Addis Ababa
12:00-12:20	<i>"On-line learning to enhance internationalization of higher education: the case of MOOCs".</i> Prof. Lola Pereira, University of Salamanca
12:20-12:40	<i>"Internationalization in Higher Education Institutions"</i> Prof. M. Ismail, Dean, Faculty of Science, Alexandria University
12:40-14:00 Lunch (Greek Roman Restaurant)	
<u>Chair : Professor Koza Hiramatsu, JICA Visiting Academic Advisor for IDE School Dean</u>	
14:00-14:20	<i>"A New Way to Enhance Learners Critical Thinking Abilities"</i> Dr. Salah Khalil, Cardiff Metropolitan University
14:20-14:40	<i>"Japanese Style Approach in E-JUST Engineering Education"</i> Prof, Amr Eltawil, Egypt-Japan University of Science and Technology
14:40-15:00	<i>"Educational Linking between Universities and Schools"</i> Prof. Tejiro Ichimura, Tokyo Institute of Technology
15:00-15:20	<i>"Kyushu University's academic linkage with the Middle East and Africa" (tentative)</i> Prof. Koichiro Watanabe, Vice President, Kyusyu University
15:20-15:50 Coffee Break / Poster Session (Mizanein Floor)	
<u>SESSION III. The Symposium on JICA projects and JST projects / Chair : Professor Mona Gamal Eldin, EECE School Dean</u>	
15:50- 16:10	<i>"Focus Points of AFRICA-ai-JAPAN Project under JKUAT and PAU"</i> Prof. Manabu Tsunoda, Chief Adviser, AFRICA-ai-JAPAN Project, JICA
16:10-16:30	<i>"Malaysia-Japan International Institute of Technology - Its Overview and Way Forward -</i> Prof. Dr. Rubiyah Yusof, Dean, Malaysia-Japan International Institute of Technology (MJIIT), University Technology Malaysia

The Second E-JUST International Conference on Innovative Engineering

16:30-16:50	<i>"ASEAN University Network / Southeast Asia Engineering Education Development Network (AUN/SEED-Net) Project"</i> Mr. Motoharu Watanabe, Deputy Chief Advisor, AUN/SEED-Net
16:50- 17:10	<i>"Promotion of STI (Science, Technology and Innovation) Cooperation between Africa and Japan"</i> Dr. Takashi Nishigaki, Program Officer, Japan Science and Technology Agency
17:10- 17:30	<i>"Development and use of microsphere-based multiplex assays in serological surveillance in Kenya"</i> Prof. Matilu Mwau, Centre for Infections and Parasitic Disease Control Research, Kenya Medical Research Institute (KEMRI)
17:30-17:50	<i>"An integrated approach to tackling malaria in Uganda with special reference to novel malaria vaccine candidate discovery"</i> Prof. Takafumi Tsuboi, Division of Malaria Research, Proteo-Science Center, Ehime University
17:50-18:00	Closing Remarks / Professor Masaki Suzuki, First Vice President, E-JUST

The Second E-JUST International Conference on Innovative Engineering

❖ PROGRAM, 21 MAY 2015

Time	Lecture Hall	Auditorium
Session 1	Chair: A. Prof. Amr El-Tawil, IEM Dept. chair, IDE School (E-JUST)	
9:00 – 10:00	<i>“Japanese experience in implementing and managing technology transfer office “</i> <i>“University Industry Collaboration for the Growth of Industry “</i> Prof. Yoshitoshi Tanaka, Tokyo Institute of Technology	_____
10:00 – 10:30	Coffee Break / Poster Session (Mizanein Floor)	
Session 2 10:30 – 12:30	Chair: Prof. Amin Shoukry Dean of ECCE School (E-JUST) Co-Chair: Prof. Kuniaki Yoshitomi Waseda University	Chair : Prof. Amr El-Tawil, IEM Dept. chair, IDE School (E-JUST) Co-Chair: Prof. Hidetoshi Kotera Kyoto University
10:30 – 11:00	<i>“Sensing City –Scale Road –Level Traffic Flows at Zero Cost”</i> Dr. Ahmed Elmahdy ,CSE Dept. ,ECCE School (E-JUST)	<i>“Technology Management in E_JUST for the best use of advanced research equipment and industry- academia collaboration “</i> Dr. yoshihisa Matsushita TMD (E-JUST)
11:00 – 11:30	<i>“Collaboration between academia and industry : the wireless research ce8887r experience”</i> Dr. Moustafa Youssef, CSE Dept., Director of The Wireless Research Center of Excellence(E-JUST)	<i>“Center of Innovative Technology CINTECH Rule, Vision And Mission”</i> Dr. Maha Elsabrouty ECE Dept., Executive Director of CINTECH (E-JUST)
11:30 – 12:00	<i>“The development of alternative fuel production “</i> Eng. Mohamed Fouad Fayed Chairman of the Board Nahdet Masr Company	Partnership with Pharco pharmaceutical for MSE Education and Research: Chitosan-based materials as new pharmaceutical products Prof. Ahmed Abdelmoniem, MSE Dept., IDE School (E-JUST).
12:00 – 12:30	<i>“Vision and experiences of Zagazig University to fill the Gap between Academia and Industry for Effective</i>	<i>Partnership with Kyoto University for MSE Education and Research: Graphene-based nanosensors</i>

The Second E-JUST International Conference on Innovative Engineering

	<p align="center"><i>Transfer of Technology.”</i> Prof. Mahmoud Z. Sitohy, Faculty of Engineering, Zagazig University.</p>	<p align="center">Dr. Koichi Nakamura, MSE Dept., IDE School (E-JUST).</p> <p align="center"><i>Partnership with national and international parties for Research: Development and characterization of functional materials</i></p> <p align="center">A. Prof. Mohamed Gebreel, MSE Dept., IDE School (E-JUST).</p>
12:30 – 14:00	Lunch (Greek Restaurant)	
<p>Session 3 14:00 – 16:00</p>	<p>Chair: Prof. Mohamed Abdelfatah MTR Dept. Chair, IDE School (E-JUST) Co-Chair: Dr. Yuji Tou Tokyo Institute of Tech.</p>	<p>Chair: Prof. Hossam Shalaby ECE Dept. Chair. , ECCE School (E-JUST) Co-Chair: Prof. Ikuo Takeuchi Waseda University</p>
14:00 – 14:30	<p align="center"><i>“Production Line Improvement Using Discrete Event Simulation ,The Case of ELARABY Group and EJUST Research Cooperation”</i></p> <p align="center">Prof. Amr El-Tawil, IEM Dept. chair, IDE School (E-JUST).</p>	<p align="center"><i>“Wireless Body-Area Network for Web-Based Telemedicine application “</i></p> <p align="center">Dr. Mohamed Sharaf Sayed, Eng. Awmy El-Mohamndes and Eng. Ahmed Gadallah ECE Dept., ECCE School (E-JUST)</p>
14:30 – 15:00	<p align="center"><i>“Aerial / Ground Robt Manipulation System”</i></p> <p align="center"><i>“ All-Terrains Wearable Vehicle”</i></p> <p align="center"><i>“Versatile Inspection Robot”</i></p> <p align="center">Dr. Mohamed Fani, MTR Dept. IDE School(E-Just)</p>	<p align="center"><i>“Citrus Fruits Grading System Based on Machine Vision Technology “</i></p> <p align="center"><i>“Textile & Fabric Quality Inspection Systems”</i></p> <p align="center">Dr. Mohamed Sharaf Sayed, ECE Dept. ,ECCE School (E-JUST) Eng. Mahmoud Abdel Aziz, QEYE Smart Vision Systems</p>
15:00 – 15:30		<p align="center"><i>“Design and development of new innovative unit for treatment of wastewater discharged from petrochemical industries using electrical D.C and pulsed power”</i></p> <p align="center">Prof. Ahmed Elshazly, CPE Dept. Chair, EECE School (E-JUST)</p>
15:30 – 16:00	<p align="center"><i>” A STUDY ON CAPTURING CARBON DIOXIDE EMISSIONS FROM INDUSTRIAL</i></p>	<p align="center"><i>“Construction of prototype filtration cell using novel nano-magnetic metal oxide</i></p>

The Second E-JUST International Conference on Innovative Engineering

	<p style="text-align: center;"><i>ACTIVITIES BY USING ALGAE</i></p> <p style="text-align: center;">Chemist: Essam Kabbary Mohamed Assistant General Manager of Utility , Alexandria National Refining and Petrochemical CO.(A.N.R.P.C)</p>	<p style="text-align: center;"><i>polymeric hybrid membrane for water remediation</i></p> <p style="text-align: center;">Dr. Marwa El-Kady,CPE Dept. ,EECE School (E-JUST)</p>
16:00 – 16:30	Coffee Break / Poster Session (Mizanein Floor)	
<p>Session 4</p> <p>16:30 -17:30</p>	<p style="text-align: center;">Chair: Prof. Ahmed Elshazly CPE Dept. Chair, EECE School (E-JUST) Co-Chair: Prof. Masaaki Suzuki Tokyo Institute of Tech.</p>	<p style="text-align: center;">Chair: Prof. Abdelazim Negm ENV Dept.,EECE School (E-JUST) Co-Chair: Dr. Saavedra Oliver Tokyo Institute of Tech.</p>
16:30 – 17:00	<p style="text-align: center;"><i>“Innovative biofuel and green chemical production by novel Egyptian aquatic bacterial isolates from designed and modified biomass”</i></p> <p style="text-align: center;">Amira Hemdan Oceanography Department, Faculty of Science, Alexandria University</p>	<p style="text-align: center;"><i>“Innovative and low cost Municipal Waste Water Treatment Technologies”</i></p> <p style="text-align: center;">Prof. Walid Ibrahim Sanitary Eng. Dept. Faculty of Engineering Alexandria ,Egypt</p>
17:00 – 17:30	<p style="text-align: center;"><i>“Strategic hubs for the analysis and acceleration of the Mediterranean solar sector (SHAAMS)”</i></p> <p style="text-align: center;">Prof. Ali Kamel , ERE Dept. Chair ,EECE School (E-JUST)</p> <p style="text-align: center;"><i>“Design Performance of an Environment Friendly Residential Home “</i></p> <p style="text-align: center;">Eng. Mahmoud Mohamed Mourad Saleh Abdeen PhD Student (E-JUST)</p>	<p style="text-align: center;"><i>“Innovative Sewage Treatment Technology for Agricultural Reuse”</i></p> <p style="text-align: center;">Prof. Ahmed Tawfik, ENV Dept., EECE School (E-JUST)</p>
17:30 – 18:00	Closing Remarks	