



## Conference Program

### Tuesday 29/3/2016

08.30 am- 09.30am	<b>Registration at Housing and Building National Research Center</b> (87 El Tahrir Street – Dokki – Cairo)
09.30 am -10.00am	<b>Opening Ceremony</b>
10.00am-10.30am	<b>Tea Break</b>
10.30am-11.30 am	<b>Keynote Lecture</b>  <b>Moderators:</b> <i>Prof. Abdelhady Hosny</i> <i>Prof. Adel El Samadoni</i> <i>Prof. Amr Salama</i> <b>Lecture :</b> " Wireless and smart sensing technologies for automated tracking and progress reporting of construction operations " <b>Prof. Osama El Sayed Moselhi</b>
11.30am-11.50 am	<b>Sponsor Presentation</b>
11.50am-12.50pm	<b>General Lectures</b> <b>Moderators:</b> <i>Prof. Osama El Sayed Moselhi</i> <i>Prof. Khaled Youssri</i> <b>Lecture1 :</b> " الكود المصرى لإدارة مشروعات التشييد " <b>Prof. Adel El Samadoni</b>  <b>Lecture 2:</b> " مشروع إدارة و إعادة تدوير مخلفات الهدم و البناء بمدينة القاهرة الجديدة " <b>Prof. Omaima Ahmed Salah ELdeen</b>
12.50pm -1.10pm	<b>Sponsor Presentation</b>



1.30 pm -2.30 pm	<p><b>Session 1 : Portfolio, Program and Project Management ( Main Hall)</b> <b>Moderators:</b> <i>Prof. Hesham Abd El Khalek</i> <i>Prof. Ibrahim Abd El Rashid</i> <i>Prof. Khadiga Abdel Ghani</i> Paper Code: SM13, SM36,SM59, SM46 Improving the Management of Projects and Programs Using Agile Principles <u><i>Maged E. Georgy</i></u></p> <p>Critical Chain Project Management- A Critique <u><i>Tamer El-Korany, Salah El-Din F. Taher</i></u></p> <p>Risk Assessment and Mitigation for Construction Projects in Egypt <u><i>Adel El-Samadony, Ahmed M. Abdel-Alim, Alaa A. Elharony</i></u></p> <p>Management and Assessment Model for Sustainable Construction Project During Feasibility Stage <u><i>Sahar Sh. Hasan, Manal Abd El Hamid , Ibrahim Abd El- Rashied, , Samia Ali</i></u></p>
1.30 pm -2.30 pm	<p><b>Session 2 : Sustainable Design and Construction Techniques ( Hall 1)</b> <b>Moderators:</b> <i>Prof. Azza Serri</i> <i>Prof. Hanan Anwar</i> <i>Prof. Suzan Saad</i> Paper Code: SM3, SM30,SM62,SM60 Towards Sustainable Buildings in Egypt <u><i>Sameh A. El-Betar</i></u></p> <p>Applied Green Technology for Sustainable Desert Building (Case Study Masdar City) <u><i>Yasmine S. Elashaby</i></u></p> <p>Passive and Hybrid Techniques for Low Cost Energy Efficient Housing in Hot Dry Climate <u><i>Hend Farouh , Lubna E. Amer</i></u></p> <p>Performance Criteria Evaluation for Sustainable Plans of Heritage Preservation Projects <u><i>Hoda M. Mohammed, Sobhy A. Elashmawy, Hamed S. Hamed</i></u></p>
2.30 pm -3.15 pm	<b>Lunch</b>



<p>3.15 pm - 4.30 pm</p>	<p><b>Session 3 : Information Technology in Construction ( Main Hall)</b> <b>Moderators:</b> <i>Prof. Karim EL Dash</i> <i>Prof. Mohamed Abdel Gawad</i> <i>Prof. Sayed Shebl</i> Paper Code: SM28, SM9, SM21, SM53, SM43 Risk and Uncertainty Assessment Model in Construction Projects Using Fuzzy Logic <i>Hesham Abdel Khalek, Remon F. Aziz , <u>Hamada Kamel</u></i></p> <p>A Fuzzy Rating Method for the Bid/No-Bid Decision in Road Construction Projects <i>Rania R. Shams-Eldin, Maged E. Georgy</i></p> <p>Development of Fund Allocation Optimization Model for Pavement Maintenance Management for Egyptian Highway Network <i>Hesham Abdel Khalek, Sherif Hafez , Wael Bekheet, <u>Sherif El Tahan</u></i></p> <p>Decision Support System for Risk Assessment in Construction Projects: AHP-Simulation Based Technique <i>Omar A. M. El-Nawawy, <u>Ahmed M. Abdelalim</u>, M.S. Bassiony</i></p> <p>Planning of Human Resources in Construction Companies in Egypt <i>Mohamed M. Askar, Tarek M. Attia , Samia A. Ali , <u>Ahmed A. Elsaid</u></i></p>
<p>3.15 pm - 4.30 pm</p>	<p><b>Session 4 : Building Design, Construction &amp; Operation + Solid Waste Management (Hall 1)</b> <b>Moderators:</b> <i>Prof. Amira Abdel Rahman</i> <i>Prof. Hadad Said</i> <i>Prof. Hesham Kamal</i> Paper Code: SM27, SM39, SM48, SM15, SM52 Integrating Solar Thermal Technologies with Green Buildings in Birmingham, Alabama <i>Mohamed K. Mostafa, Robert W. Peters, Hesham Taherian</i></p> <p>Helical Screw Piles Performance – A Versatile Efficient Foundation System Alternative for Rehabilitation, New Sustainable Structures Construction and Infrastructure Delivery <i>Yasser Abdelghany</i></p> <p>Properties and Fields of Application of Cellular Concrete <i>Mounir M. Kamal, Mohammed A. Safaan, <u>Fatma M. Eid</u></i></p> <p>Sustainable Construction Waste Management for Sustainable Buildings <i>S.M. Elgizawy, S.M. El-Haggar, K. Nassar</i></p> <p>Sustainable Waste Management for Campus Construction Projects - Case of UMASS, Amherst, USA <i>Mohamed I. M. Ibrahim</i></p>



## Wednesday 30/3/2016

9.30am-10.30 am	<b>Keynote Lectures</b>
	<b>Moderators:</b> <i>Prof. Manal Sayed Abdelhamid</i> <i>Prof. Mostafa Eldemerdash</i> <i>Prof. Osama Ahmed Hosny</i> <b>Lecture :</b> " Sustainable Development and Asset Management " <b>Prof. Osama Salem</b>
10.30am-10.50 am	<b>Sponsor Presentation</b>
10.50am-11.15am	<b>Tea Break</b>
11.15am-12.15pm	<b>General Lectures</b>
	<b>Moderators:</b> <i>Prof. Tarek Bahaa</i> <i>Assoc. Prof. Tarek Attia</i> <b>Lecture3 :</b> "Facility and Asset Management" <b>Eng. Abdel Nasser Salama</b>
12.15pm-12.40pm	<b>Sponsor Presentation</b>
1.00 pm -2.00 pm	<b>Session 5 : Information Technology in Construction ( Main Hall)</b>
	<b>Moderators:</b> <i>Assoc. Prof. Maged Ezzat Georgy</i> <i>Prof. Adel Elmalawany</i> <i>Prof. Shadia Elebiary</i> <b>Paper Code: SM16, SM50, SM54, SM34</b>
	<b>Adaptive Optimization of Bridges Maintenance Under Budget Constraints in Egypt</b> <b><i>Hesham Abd Elkhalek, Sherif M. Hafez, Yasser El Fahham</i></b>
	<b>A Framework for Manual Lighting Control in Commercial Buildings Using Fuzzy Hierarchical Expert Approach</b> <b><i>Dalia Salem, Emad Elwakil, and Tarek Attia</i></b>
	<b>Quantification of Risks Comparison based on AHP/ANP-Simulation Techniques</b> <b><i>Ahmed M. Abdelalim</i></b>
<b>Uncertainty and Risk Factors Assessment for Cross-Country Pipelines Projects Using AHP</b> <b><i>Hesham Abdel Khalek , Remon F. Aziz , Hamada Kamel</i></b>	



1.00 pm -2.00 pm	<p><b>Session 6: Portfolio, Program and Project Management (Hall 1)</b> <b>Moderators:</b> <i>Assoc. Prof. Hesham Osman</i> <i>Prof. Nabil Abdel Salam</i> <i>Prof. Sayed Abdel Baki</i> Paper Code: SM14, SM33, SM56, SM58</p> <p>Competition Ability Criteria for Egyptian Construction Companies in Infrastructure Projects <i>Ibrahim A. Nosaiar, Manal S. Abdelhamid, <u>Ahmed A. Elsaid</u></i></p> <p>Optimization of Project Time-Cost Trade-Off with Controlled Cash Flows <i>Mohamed Abo-Zaid, <u>Tamer El-Korany</u>, Salah El-Din F. Taher</i></p> <p>Efficiency Improvement of Construction Projects Using Lean Six Sigma Methodology <i><u>Khaled A. Hussein</u>, <u>Moheeb El-Said</u></i></p> <p>Towards Appraisal and Improvement of Management Practices for Egyptian Contracting Organizations <i><u>Mohamed H. Moutawei</u></i></p>
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2.00 pm -2.45 pm	<b>Lunch</b>
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2.45 pm -4.15 pm	<p><b>Session 7: Sustainable Design and Construction Techniques (Main Hall)</b> <b>Moderators:</b> <i>Prof. Emad El Beltagie</i> <i>Prof. Ibrahim El Demery</i> <i>Prof. Nadia Nofal</i> Paper Code: SM2, SM11, SM41, SM38, SM45, SM61</p> <p>Contract Practices for Sustainable Construction Projects <i><u>Mohamed Enaba</u>, Mohamed M. Marzouk, Azza M. Abou-Zeid</i></p> <p>Systems Engineering Approach to Measuring the Environmental Impacts of Open Trenching Construction Operations <i><u>Mohamed M. Matar</u>, Hesham M. Osman, Maged E. Georgy, Azza M. Abou-Zeid, Moheeb Elsaid</i></p> <p>The Effect of Sustainable Practices on the Economic Performance of Construction Firms <i><u>Nor'Aini Yusof</u>, Mohammad Iranmanesh</i></p> <p>Efficiency Projects in Egypt: A Comparative Analysis Between LEED and GPRS <i><u>Tarek Mahfouz</u>, Ahmed Abdelsalam, Amr Kandil</i></p> <p>Toward Sustainable Bridges: Geotechnical Aspects Regarding Design of Jointless Bridges <i><u>Mohamed T. Abdel-Fattah</u>, Tarek T. Abdel-Fattah, Amr A. Hemada</i></p>
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1<sup>st</sup> International Conference on Sustainable Construction and Project Management

**ICSCPM16**  
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	<p>Reduced Energy Demand for Cooling a New Office Building Through the Design Renovation <i>Asmaa Mahmoud, <u>Mohamed Yusuf</u></i></p>
2.45 pm -4.15 pm	<p><b>Session 8 : Other Related Topics ( Hall 1)</b> <b>Moderators:</b> <i>Prof. Hatem Geith</i> <i>Prof. Mohamed Khafaga</i> <i>Prof. Tarek El Sokary</i> <b>Paper Code: SM8,SM19,SM25, SM32,SM51,SM57</b> A Novel Method to Produce Dry Geopolymer Cement Powder <i><u>Hamdy A. Abdel-Gawwad, S.A. Abo-El-Enein</u></i></p> <p>Strengthening of Reinforced Concrete Columns Using Advanced Composite Materials to Resist Seismic Loads <i><u>Mohamed O. AbdAlkader</u></i></p> <p>The ‘Micro-Communities’ Initiative Egypt’s Winning Card Towards Development and Against Disasters <i><u>Adham M. Abulnour</u></i></p> <p>Response of Retaining Wall Due to Embankment Construction on Soft Ground <i><u>Mohamed B. D. Elsayy</u></i></p> <p>Experimental and Numerical Analysis of RC Beams Cast Using Both Conventional Vibrated and Self-Compacting Concretes <i><u>Nageh N. Melaka , El-Sayed K. El-Abuoky</u></i></p> <p>Strength and Durability Characteristics of Ground Granulated Blast Furnace Slag (GGBFS) Concrete Mix <i><u>Mounir M. Kamal, Mervat Khalil, Amal Nasser, Randa F. Esmail</u></i></p>



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**Thursday 31/3/2016**

9.30 am-10.30pm	<b>Closing Session</b>
	<b>Moderators:</b> <i>Prof. Khaled El Zahby</i> <i>Prof. Manal Sayed Abdelhamid</i> <i>Assoc. Prof. Tarek Attia</i>
10.30 am-11.00 am	<b>Tea Break</b>
11.00 am-1.00pm	<b>Workshop</b>
	Achieving Sustainable Construction Through Avoiding Execution Defects in Construction Projects <i>Eng./ Mahmoud Adawy</i>

