



Prof. Osama Ezzat Abdellatif

Shoubra Faculty of Engineering, Mechanical Eng. Dept.
Faculty of Engineering (Shoubra), Benha University, Egypt.

osama.abdellatif@feng.bu.edu.eg

sameh_sohasmr@yahoo.com

Mobile: 0111 2194077

Education

- **Ph.D., University of Zagazig (& City University, London, U.K.), 1990.** Dissertation: "Numerical Investigation of Turbulence-driven Secondary Flow in non-circular Duct with and without Rotation", Mechanical Engineering Department, Shoubra Faculty of Engineering, Benha-Branch.
- **M.S., Cairo University, Faculty of Engineering, Aeronautical Department, 1985.** Dissertation: "An Investigation of the Transient behavior of Fibrous Air Filters"
- **B.Sc., Cairo University, Faculty of Engineering, Mechanical Engineering, 1979.**

Professional Experience

- **Professor of Mechanical Engineering** – Shoubra Faculty of Engineering – Benha University (2017-)
- **Dean of High Institute of Engineering, Culture and since city, October 6 City, 2016-2017**
- **Head of Mechanical Engineering Department,** Faculty of Engineering (Shoubra)- Benha University 2014- 2016
- **Vice-Dean for society services and environment development Affairs** – Faculty of Engineering (Shoubra)- Benha University 2010- 2012
- **Vice-Dean for postgraduate and researches Affairs** – Faculty of Engineering (Shoubra) - Benha University 2009- 2010.
- **Vice-Dean for education and students Affairs** – Faculty of Engineering - October 6 University 2006- 2008.
- **Head of Mechatronics Department,** – Faculty of Engineering - October 6 University 2001-2008
- **Professor of Mechanical Engineering** – Shoubra Faculty of Engineering – Benha University
- **Associate Professor-** Shoubra Faculty of Engineering, Benha Branch, Zagazig University, 1997-2001
- **Lecturer,** Shoubra Faculty of Engineering, Benha Branch, Zagazig University, 1990-2001
- **Academic visitor,** Imperial College of science and technology, London University, London, U.K., 1987-1988.
- **Academic visitor,** City University, London, U.K., 1988-1989.
- **Assistant Lecturer,** Shoubra Faculty of Engineering, Benha Branch, Zagazig University, 1985-1987

- **Administrator and Instructor**, Shoubra Faculty of Engineering, Benha Branch, Zagazig University, 1980-1985.
- **First Place and Gold Medal** (representing October 6 University) among all Egyptian universities in Robocon Egypt 2007.
- **ABU Special AWARD** (representing Egypt) in International Robocon 2007 (Vietnam).
- **First place and Gold Medal in Control Engineering-** IEEE Egypt. Egyptian Engineering Day (2009)
- **First place and Gold Medal in HVAC (ASHRAE Cairo) 2010**

Awards

Classes Taught

- Modelling and Simulation
- CFD
- Fluids Mechanics and Turbomachines
- Thermodynamics and Heat Transfer
- Dynamics and Statistic.
- Computer Languages (Basic, Fortran, C++, Database, network

Training Certificates

- Basic Information Technology (42 hrs)
- Decisions making and problem solving (20 hrs)
- Using Technology in Education (15 hrs)
- Teaching Evaluation (15 hrs)
- Principles of Teaching (48 hrs)

Software Skills

- Statistics and Computer Science:
 - C and C++ Programming , Fortran, SpSS,
- Modelling and Simulation:
 - Fluent, Ansys...

Consultant

- Egyptian Manger of the American Fund of “Development of Network System of water supply authority”.
- Consultant of German Fund Agency in Egypt for “small farms “....
- Consultant of Nile Engineering Consultant office, Egypt “N.E.C.B.”
- Consultant of the Arab Steel Company
- Consultant of Roshdy company of Metallic Industries
- Consultant of Alexandria University Desalination Studies and Technology Center (ADST).

List of Publications

1	An Investigation of the Transient behavior of Fibrous Air Filters OE Abdellatif
---	--

	Cairo University, Faculty of Engineering (Master) 1985
2	Effects of free-stream turbulence on turbulent boundary layers with convective heat transfer V Baskaran, OE Abdellatif, P Bradshaw 7th Symposium on Turbulent Shear Flows, Volume 2 2, 20.1. 1-20.1. 6, 1989
3	Numerical Investigation of Turbulence-driven Secondary Flow in non-circular Duct with and without Rotation OE Abdellatif Zagazig University, Faculty of Engineering Shoubra), (Ph.D.), 1990
4	Modeling sediment transport in rectangular ducts with a two-equation model of turbulence BA Younis, OE Abdellatif Sediment Transport Modeling, 197-202, 1990
5	A fine tuning of a two equation turbulence model to account for secondary flows Shabaka, M. I. and Abdellatif O.E Proceeding15th Conference for statistics and computer science, Ain Shams Univ., Cairo, 1990
6	A two equation model for predicting two-dimensional rotating flow Abdellatif OE, Shabaka M I AME 4th Conference, Military Tech. College, Cairo, 69-85, 1990
7	The effect of aspect ratio of rectangular ducts on turbulence-driven secondary motion Shabaka, M. I., Abdellatif O.E. Journal of the faculty of Eng., Cairo University, Cairo, 1990
8	Prediction of turbulent flows through rough square ducts Zahran, M. S., Abdellatif, O. E. and Shabaka M. I. Engineering Research Bulletin, Faculty of Eng. & Tech. Mataria, Helwan University, Vol. 4, 1990

9	<p>Prediction Of Rough Surface Thermal Turbulent Boundary Layer</p> <p>Abd-Rabbo M.F. Abdalla, G.H., El-Shazly, K.M., Abdellatif OE</p> <p>Fifth Int. Conf. of Fluid Mechanics, 1995</p>
10	<p>Large Eddy Simulation for Fully Developed Flow in a square Duct</p> <p>Abdel-Gawad, A. F., Abdellatif, O. E., Luton, A., and Ragab, S.</p> <p>ASME 1997 Fluid Engineering Division, Summer Meeting, (FEDSM97), Vancouver, British Columbia, Canada, 1997</p>
11	<p>Numerical Prediction of Turbulent Heat transfer in a Rotating Square Duct with Non-linear k-e model</p> <p>Abdel-Gawad, A. F., Abdellatif, O. E., Shallan, M. R. and Ragab, S.</p> <p>Eleventh Symposium of Turbulent Shear Flows. Institut National Polytechnique, Universite Joseph Fourier, Grenoble, France, 1997</p>
12	<p>Numerical Prediction of Convective Heat Transfer for Turbulent Flow in a Square Duct with Nonlinear K-e Model</p> <p>Abdel Gawad, A. F., and Abdel Latif.O. E., Shabaka, I. M., and Shaalan, MR</p> <p>Symposium on Separated and Complex Flows, ASME Fluids Eng. Division Summer Meeting, June 22-26, 1997, Vancouver, BC, Canada. 1997</p>
13	<p>Turbulent flow and heat transfer in rotating non-circular ducts with nonlinear k-epsilon model</p> <p>Gawad, AF Abdel; Ragab, S; Abdellatif, OE; Shabaka, I</p> <p>36th AIAA Aerospace Sciences Meeting and Exhibit, 1998</p>
14	<p>Comparison between the results of Large Eddy Simulation and k-e Model for Straight Non-circular Ducts</p> <p>Abdel-Gawad, A., Abdellatif, O. E., Shabaka, M., Shalan, M. and Ragab, S</p> <p>The 3rd ASME/JSME Joint Fluids Engineering Conference, San Francisco, California, USA, 1999</p>
15	<p>Utilization of Turbulence Modeling for Predicting Convective Heat Transfer of Turbulent Boundary layer</p> <p>Abdellatif, O. E</p> <p>Engineering Research Bulletin, Faculty of Eng., Mansoura University.,1999</p>
16	<p>Effect of cooling system on heat transfer coefficient during condensation of saturated steam inside horizontal tube</p>

	<p>El-Ghnam, R. I., Abdellatif, O. E., Abd-Rabo M. F. and El-Dosoky M. W.</p> <p>Al-Azhar Engineering, 6h 000 Conference, 1999, Cairo, Egypt, 1999</p>
17	<p>Experimental study of the effect of longitudinal oscillations on free convection from a heated vertical plate</p> <p>Abdellatif, O. E., El-Ghnam, R. I., Assasa, G.M. and Aly, M.</p> <p>Al-Azhar Engineering, 6h International Conference, 1999, Cairo, Egypt., 1999</p>
18	<p>An Experimental Investigation of Closely Interfering Airfoils at a Low Reynolds Number</p> <p>Abdellatif, Osama E; Gawad, Ahmed F Abdel</p> <p>5th Biennial Conference on Engineering Systems Design & Analysis, ESDA, 2000</p>
19	<p>Reynolds number effects on the structure of two-dimensional turbulent channel flow</p> <p>Abdellatif, O. E</p> <p>Engineering Research Journal, Helwan university, Faculty of engineering, Mataria, Cairo, Egypt, 2000</p>
20	<p>The effect of free-stream turbulence on turbulent boundary layer and heat transfer</p> <p>Abdellatif, O. E</p> <p>Engineering Research Journal, 2000, Helwan university, Faculty of engineering, Mataria, Cairo, Egypt, 2000</p>
21	<p>Influence of Various Factors on the Flow Characteristics through a Gas Turbine Cascade</p> <p>Gawad, Ahmed F Abdel; Abdellatif, Osama E</p> <p>Proceedings of the Seventh International Congress on Fluid Dynamics and Propulsion, 2001</p>
22	<p>Experimental, numerical and neural investigation of the aerodynamic characteristics for two-dimensional wings in ground effect</p> <p>Abdellatif, Osama E; Abdel-Gawad, Ahmed F</p> <p>Proceedings of Al-Azhar Engineering 7th International Conference, 7-10 April, 2003, Cairo, Egypt, 2003</p>
23	<p>Experimental and numerical investigation of internal and external flow fields for building with porous canopy roofs</p> <p>Abdellatif, Osama E; Gawad, Ahmed F Abdel</p> <p>Al-Azhar Engineering 8th International Conference, 24-27 December, 2004, Cairo, Egypt, 2004</p>

24	<p>Instability of Darcian flow in an alternating Magnetic field</p> <p>El-Dib, Y. O. and Abdellatif, O. E</p> <p>Journal of Mechanics and Mechanical Engineering, 2004</p>
25	<p>Influence of free-stream turbulence on turbulent drag reduction and heat transfer enhancement over plates with stream wise V-micro-grooves</p> <p>Afify, R. I., Abdellatif, O.E. and Berbish, N. S</p> <p>Engineering Research Journal, Volume 96. December 2004, Helwan university, Faculty of engineering, Mataria, Cairo, Egypt., 2004</p>
26	<p>Heat transfer and flow friction in a rectangular duct with perforated angled ribs mounted on the bottom wall</p> <p>El-Shamy A. R. and Abdellatif, O. E.</p> <p>Engineering Research Journal, Helwan university, Faculty of engineering, Mataria, Cairo, Egypt., 2004</p>
27	<p>Nonlinear surface wave instability for electrified Kelvin fluids</p> <p>El-Dib, Y. O. and Abdellatif, O. E.</p> <p>Journal of Colloid and Interface Science, 2005</p>
28	<p>Study of aerodynamic characteristic on slender bodies at high angles of attack</p> <p>Abdellatif, O. E.,</p> <p>Engineering Research Journal, Helwan university, Faculty of engineering, Mataria, Cairo, Egypt, 2006</p>
29	<p>PERFORMLANCE IN INERT POROUS MEDIA</p> <p>El-Semary, Ismail MM; Abdel-Rehim, Ahmed A; Abdellatif, Osama E; Abd-Rabbo, MF</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2006</p>
30	<p>CONSIDERATIONS REGARDING THE PERFORMANCE OF COMBUSTION CHAMBERS FOR TURBO-JET ENGINES</p> <p>Rathi, Nikunj; Ramakrishna, PA; Kaemming, Tom; Fotia, Matthew L; Hoke, John; Schauer, Fred; Rangwala, Hatim Soeb; Wilson, Donald; Shi, Mingxuan; Pokhrel, Manish; Gladin, Jonathan C; Garcia, Elena; Mavris, Dimitri N; Hartfield, Roy J; Mishra, RK; Şöhret, Yasin; Kincay, Olcay; Karakoç, T Hikmet; Chung, Shen Shou Max; Khalil, Essam E; Helal, Hesham; Abdellatif, Osama; ElHarriri, Gamal M; Wilhite, Jarred M; Yellugari, Kranthi; Gutmark, Ephraim J; Joshi, Dibesh D; Lu, Frank K; Rotaru, Constantin; Gigov, B; Nikolov, N; Stoilov, V; Todorov, M; Rashwan, Sherif S; Nemitallah, Medhat A; Habib, Mohamed A</p> <p>AIAA Education Series, 2006</p>

31	<p>Experimental study of turbulent flow characteristics inside a rectangular S-shaped diffusing duct</p> <p>Abdellatif, Osama</p> <p>44th AIAA Aerospace Sciences Meeting and Exhibit, 2006</p>
32	<p>Aerodynamic and heat transfer characteristics of two interfering low-rise buildings</p> <p>Abdellatif, Osama</p> <p>4th International Energy Conversion Engineering Conference and Exhibit (IECEC), 2006</p>
33	<p>Area ratio effect on the turbulent flow through a diffusing S-duct using large-eddy simulation</p> <p>Abdellatif, Osama; Abd Rabbo, M; Abd Elganny, M; Shahin, I</p> <p>6th International Energy Conversion Engineering Conference (IECEC), 2008</p>
34	<p>Computational Study of center line turning angle effect on the turbulent flow through a diffusing S-duct using Large-eddy simulation</p> <p>Abdellatif, OE; Rabbo, Abd; Shahin, IM</p> <p>Ninth International Congress of Fluid Dynamics & Propulsion December 18-21, 2008, Alexandria, Egypt, ICFDP9, 2008</p>
35	<p>Modelling of Heat Distribution and Air Turbulent Flow inside a Greenhouse at Different Air Flow Rates</p> <p>Ibrahim M, Abdellatif, O. and Khalil, E.</p> <p>AIAA 2008-1176, 46th AIAA Aerospace Sciences Meeting and Exhibit, 7 - 10 January, 2008</p>
36	<p>Study the effect of Velocity Inlets Location on Thermal and Flow Pattern inside an Empty Greenhouse</p> <p>Ibrahim, Mohamed A; Abdellatif, Osama E; Khalil, Essam E</p> <p>47th AIAA Aerospace Sciences Meeting including The New Horizons Forum and Aerospace Exposition, 2009</p>
37	<p>Experimental study of the photovoltaic modules under different operating conditions</p> <p>Abdellatif, O., E., Halaw, M. and Elhalawan, A., A</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2010</p>

38	<p>Performance and Flow field Analysis for a Diffuser Pump at Different Flow and Design Parameters</p> <p>Shahin, I; Abd Elganny, M; Abdellatif, OE; Ayad, Samir S</p> <p>25th annual European Simulation and Modelling Conference, 2011</p>
39	<p>Experimental and numerical study on the effect of cooling system and openings on the roof of greenhouse</p> <p>Abdellatif, O., E., Halaw, M. and Newir, A.E</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2011</p>
40	<p>Enhancement of heat transfer in baffled ducts</p> <p>Afify, R. I., Abdellatif, O. E., Elassal, B. T., Sarhan, H. H. and A. S. Elhayes, A. S.</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2011</p>
41	<p>Experimental and numerical investigations of aerodynamic characteristics around buses and trucks</p> <p>Abdellatif, Osama; El-Demerdash, Sherif; Khalil, Essam</p> <p>10th International Energy Conversion Engineering Conference, 2012</p>
42	<p>An Intervention study to evaluate compliance with personal protective equipment among workers at Textile industry</p> <p>Abd El-Hameed, H. S., Aly, H. A. and Abdellatif O. E.</p> <p>The Journal of American Science, Vol. 8., 2012</p>
43	<p>The effect of tip end-blade geometry on the axial fans performance</p> <p>Beskales, SA; Ayad, Samir S; Higazy, MG; Abdellatif, OE</p> <p>Eleventh International Conference of Fluid Dynamics December 19-21, 2013, Alexandria, Egypt, 2013</p>
44	<p>Analysis of the anomalous thermal properties of phase change materials based on paraffin wax and multi walls carbon nanotubes</p> <p>Alshaer, WG; Palomo del Barrio, E; Rady, MA; Abdellatif, OE; Nada, SA</p> <p>Int. J. on Heat and Mass Transfer, Theory and Applications, 2013</p>
45	<p>Novel technique in characterizing a PV module using pulse width modulation</p>

	<p>Mahmoud, I., Abdellatif, S., Abdel Salam, T, Abdellatif, O.E.</p> <p>International journal of research in engineering and technology (IJRET), 2013</p>
46	<p>Experimental investigation of different cooling methods for Photovoltaic module</p> <p>Abdellatif Osama, Abdelrahman M., Eliwa A.</p> <p>11th International Energy Conversion Engineering Conference, 2013</p>
47	<p>Experimental Characterization for a PV Module Using Low Cost Method</p> <p>I.M. Mahmoud, S. Abdellatif, A.sahbal, A. Bayoumi, T. S. Abdel-Salam, O. E. Abdellatif</p> <p>I_EEE, 2014</p>
48	<p>OPERATING ROOMS INFECTION CONTROL ANALYS</p> <p>HEND E .MOHAMED, TAREK M.BELAL , O. E. Abdellatif, and REDA I. Afify</p> <p>International Mechanical Engineering Congress & Exposition November 14-20-2014, Montreal, Canada, 2014</p>
49	<p>Computational Investigation of Thermal Simulation of Shell and Tube Heat Exchanger</p> <p>Yehia, Mahmoud Galal; Abdellatif, Osama Ezzat; Khalil, Essam E; Attia, Ahmed AA</p> <p>ASME 2014 12 th Biennial Conference on Engineering Systems Design and Analysis ESDA2014, 2014</p>
50	<p>Experimental study of the photovoltaic modules under different operating conditions</p> <p>O E Abdellatif, M A Halaw, A A Elhalawany</p> <p>16th International Middle- East Power Systems Conference -MEPCON'2014, At Ain Shams University, Cairo, Egypt, 2014</p>
52	<p>Numerical investigation of the combustion performance in inert porous media</p> <p>Ismail El-Semary, Ahmed A. Abdel-Rehim, Osama E. Abdellatif, M. F. Abd Rabbo</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2014</p>
53	<p>On the computations of thermal behavior of shell and tube heat exchanger</p> <p>Mahmoud Galal Yehia, Osama Ezzat Abdellatif, Essam E Khalil, Ahmed AA Attia</p> <p>Proceedings of the AIAA Propulsion and Energy Forum and Expositions, 2014</p>

54	<p>On the Computations of Thermal Behavior of Shell and Tube Heat Exchanger</p> <p>Khalil, Essam E; Abdellatif, Osama; Attia, Ahmed A; Yehia, Mahmoud G</p> <p>12th International Energy Conversion Engineering Conference, 2014</p>
55	<p>Experimental characterization for a PV module using low cost method</p> <p>Mahmoud, IM; Abdellatif, SO; Abdel-salam, TS; Bayoumi, A; Sahbel, A; Abdellatif, OE</p> <p>International Conference on Engineering and Technology (ICET), 2014</p>
56	<p>Investigation of the effect of grid size on external store separation trajectory using CFD</p> <p>Alaa A. Osman, Amgad M. Bayoumy, Ismail El baialy, Osama E. Abdellatif, Essam E. Khallil</p> <p>World Academy of Science, Engineering and Technology International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering Vol:9, No:4, 2015</p>
57	<p>An Experimental Study of the Near Wake of Horizontal Axis Wind Turbines</p> <p>Mourad, Mina; Ayad, Samir; Abdellatif, Osama, Abd-elazia, A</p> <p>International Symposium for Fluid Flow Measurement, 9th ISFFM, Arlington, Virginia, April 14 to 17, 2015</p>
58	<p>NUMERICAL INVESTIGATION OF THE PERFORMANCE OF TWISTED AND UNTWISTED BLADES FOR SMALL HORIZONTAL AXIS WIND TURBINES</p> <p>ABDELATY, M.E., OSMAN, A. AND ABDELLATIF, O.E</p> <p>International Conference on Engineering and Natural Sciences (ICENS), 2015</p>
59	<p>The CFD Performance Analysis for Horizontal Axes Wind Turbine with Different Blade Shapes and Tower Effect</p> <p>Abdelrahman, M., Abdellatif, O.E., Moawed, M., Eliwa, A., Stanislav Mišák</p> <p>16th International Scientific Conference on Electric Power Engineering (EPE), 2015</p>
60	<p>Performance of Cooling Photovoltaic Cells using Nanofluids</p> <p>El-Sayed Yousef El-Kady Saber Ragab Abd-Allah, Osama Ezzat Abdellatif</p> <p>Engineering and scientific Research Journal, Benha university, Faculty of engineering, Shoubra, Cairo, Egypt., 2015</p>
61	<p>Computational Analyses of Aerodynamic Characteristics of Naca653218airfoil</p>

	<p>S. Abdelghany, E., E. E. Khalil, O. E. Abdellatif, and G. El-Harriry</p> <p>Sci Tech 2016, Paper_AIAA_2015_2306688, San Diego, USA, 2016</p>
62	<p>Air Craft Winglet Design and Performance: Cant Angle Effect</p> <p>Abdelghany, Eslam Said; Khalil, Essam E; elhariry, Gamal; Abdellatif, Osama E</p> <p>J Robot Mech Eng Resr, Vol. 1, 2016</p>
63	<p>Numerical analysis of an external store separation from an airplane</p> <p>Osman, Alaa A; Aly, Amgad M; Khalil, Essam E; Abdellatif, Osama E</p> <p>AIAA Modeling and Simulation Technologies Conference, 2016</p>
64	<p>Air Craft Winglet Design and Performance: Cant Angle Effect</p> <p>Abdelghany, Eslam Said; Khalil, Essam E; Abdellatif, Osama E</p> <p>AIAA JPC Conference, AIAA-2016- 4821, USA, July 2016.</p>
65	<p>Aerodynamic Analyses of Aircraft-Blended Winglet Performance</p> <p>Hesham S. M. Helal, Essam E. Khalil, Osama E. Abdellatif, Gamal M. Elhariry</p> <p>IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), 2016</p>
66	<p>Computations of Aerodynamic Behaviour of Rectangular Wing with Naca653218airfoil</p> <p>Khalil, Essam E; AbdelGhany, Eslam S; Abdellatif, Osama E; ElHariri, Gamal A</p> <p>54th AIAA Aerospace Sciences Meeting, 2016</p>
67	<p>Modeling and simulation of a photovoltaic/thermal hybrid system using different back-pipe structures</p> <p>Bayoumi, A.; Nosier, M. A.; Abdelatiff, O. E.; Mahmoud, N. A.; Khalil, A. S. G.</p> <p>Computer Engineering & System..IEEE Xplore, 2016</p>
68	<p>Simulation of Diffuser Augmented Wind Turbine Performance</p> <p>Hossam M. Elbakry, Ahmed A.A. Attia, Osama Ezzat Abdelatif, M. S. Zahran</p> <p>WCST-2016 IEEE December 12-14, London, UK, 2016</p>
69	<p>Experimental and Numerical Comparison between Fixed and Double Axial Photovoltaic Tracking System</p> <p>A. S. Abdelmonem, H. A. Refaey, R. I. Afify, and O. E. Abdellatif</p>

	International Journal of Electrical & Computer Sciences IJECS-IJENS, 2016
70	<p>Sustainable Energy Technologies and Waste Management</p> <p>Choonut, Aophat; Yunu, Tewan; Paichid, Nisa; Sangkharak, Kanokphorn; Elbakry, Hossam M; Attia, Ahmed AA; Abdelatif, Osama Ezzat; Santos, Antonio Colmenar; Asensio, Enrique Rosales; Sanchez, Patricia; Sanchez, David Borge Diez</p> <p>IEEE, 2016</p>
71	<p>Modeling and Simulation of a Photovoltaic/Thermal Hybrid System Using Different Back-pipe Structures</p> <p>A.Bayoumi, M. A. Nosier, O. E. Abdelatiff, N. A. Mahmoud,</p> <p>International Conference on Computer Engineering & Systems, IEEE Eleventh ICCES, Cairo, Egypt, 978-1-5090-3267-9/16/\$31.00 ©2016</p>
72	<p>Experimental investigation of melting behavior of PCM by using coil heat source inside cylindrical container</p> <p>M. Tayssir, S.M. Eldemerdash, R.Y. Sakr, A.R. Elshamy, O.E. Abdellatif</p> <p>Journal of Electrical Systems and Information Technology, 2016</p>
73	<p>WINGLET CANT AND SWEEP ANGLES EFFECT ON AIRCRAFT WING PERFORMANCE</p> <p>Abdelghany, ES; Khalil, EE; Abdellatif, OE; ElHarriri, G</p> <p>Proceedings of the 17th Int. AMME Conference, 2016</p>
74	<p>Heat transfer and friction characteristics of shell and tube heat exchanger with multi inserted swirl vanes</p> <p>Yehia, Mahmoud Galal; Attia, Ahmed AA; Abdelatif, Osama Ezzat; Khalil, Essam E</p> <p>Applied Thermal Engineering, Vol:102, 2016</p>
75	<p>Effect of Raked Winglet on Aircraft Performance</p> <p>Khalil, Essam E; Helal, Hesham; Abdellatif, Osama; ElHarriri, Gamal M</p> <p>55th AIAA Aerospace Sciences Meeting, 2017</p>
76	<p>Aircraft-Blended Winglet Performance Analyses</p> <p>Khalil, Essam E; Helal, Hesham; Abdellatif, Osama; ElHarriri, Gamal M</p> <p>55th AIAA Aerospace Sciences Meeting, 2017</p>

77	NUMERICAL ANALYSIS OF THE EFFECTS OF WINGLET SHAPES ON WING PERFORMANCE Mohamed A. Khalifa, Abdelmotleb Ali Mostafa and Osama Ezzat Abdellatif International Journal of Current Research, 2017
----	--

NUMERICAL ANALYSIS OF THE EFFECTS OF WINGLET SHAPES ON WING PERFORMANCE

AAMOEA Mohamed A. Khalifa

International Journal of Current Research 9 (01), 44643-44649

- 2017 **Aircraft-Blended Winglet Performance Analyses**
EE Khalil, H Helal, O Abdellatif, GM ElHarriri
55th AIAA Aerospace Sciences Meeting, 1838
- 2017 **Numerical Analysis of the Effects of Winglet Shapes on Wing Performance**
MAKAAMOE Abdellatif
International Journal of Current Research 9 (1), 44643-44649
- 2017 **Effect of Raked Winglet on Aircraft Performance**
EE Khalil, H Helal, O Abdellatif, GM ElHarriri
55th AIAA Aerospace Sciences Meeting, 1841
- 2017 **Heat transfer and friction characteristics of shell and tube heat exchanger with multi inserted swirl vanes**
MG Yehia, AAA Attia, OE Abdelatif, EE Khalil
Applied Thermal Engineering 102, 1481-1491
- 2016 **WINGLET CANT AND SWEEP ANGLES EFFECT ON AIRCRAFT WING PERFORMANCE**
ES Abdelghany, EE Khalil, OE Abdellatif, G ElHarriri
Proceedings of the 17th Int. AMME Conference 19, 21
- 2016 **Experimental investigation of melting behavior of PCM by using coil heat source inside cylindrical container**
OEA M. Tayssir, S.M. Eldemerdash, R.Y. Sakr, A.R. Elshamy
Journal of Electrical Systems and Information Technology
- 2016 **Modeling and Simulation of a Photovoltaic/Thermal Hybrid System Using Different Back-pipe Structures**
A.Bayoumi, M. A. Nosier, O. E. Abdelatif, N. A. Mahmoud
International Conference on Computer Engineering & Systems, Eleventh ICCES ...
- 2016 **Sustainable Energy Technologies and Waste Management**
A Choonut, T Yunu, N Paichid, K Sangkharak, HM Elbakry, AAA Attia, ...
IEEE
- 2016 **Experimental and Numerical Comparison between Fixed and Double Axial Photovoltaic Tracking System**
OEA A. S. Abdelmonem, H. A. Refaey, R. I. Afify
International Journal of Electrical & Computer Sciences IJECS-IJENS 16 (2 ...
- 2016 **Simulation of Diffuser Augmented Wind Turbine Performance**
MSZ Hossam M. Elbakry, Ahmed A.A. Attia, Osama Ezzat Abdellatif
WCST-2016 IEEE December 12-14, 2016 London, UK, 40-48