



"CURRICULUM VITAE"

Professor Dr. Shedid H. Shams El-Din
Professor
Mechanical Power Engineering Dept.,
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PERSONAL DATA:

Birth Date : 6/12/1953
Nationality : Egyptian.
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I- DEGREES:

Ph.D., Odessa University, USSR , May 1989 ,
" Heat Transfer of a laminar swirl flow in circular annular gap "
M.Sc., Menoufiya University, EGYPT, 1983
"Effect of the swirl flow on the Heat transfer Rates "
B.Sc., Menoufiya University, EGYPT, May . 1977
"Mechanical Power Engineering",

II- GRANTS AND MISSIONS:

1- University Education Scholarship for the Ph.D. Degree in Mechanical Power Engineering Dept., Odessa Univ. USSR , 1989 .

III- EXPERIENCES:

1- Employment History:

- a- 1977-1983 : Demonstrator, Mechanical Power Engineering Dept., Menoufiya University, EGYPT .
- b- 1983-1989 : Assistant Lecturer, Mechanical Power Engineering Dept., Menoufiya University, EGYPT.
- c-1989-1995 : Lecturer, Mechanical Power Engineering Dept. Menoufiya University, EGYPT,
- d- 1995-2006 : Associate Professor, Mechanical Power Engineering Dept., Menoufiya University, EGYPT,
- e- 2006-Present: Professor, Mechanical Power Engineering Dept., Menoufiya University, EGYPT.

2- Teaching Undergraduate and graduate courses:

Thermal Power Stations, Steam Turbines, Steam Technology, Heat Transfer, Refrigeration and Air Conditioning Internal Combustion Engines Two Phase flow Engineering Drawing , Heat & Mass Transfer and Testing of Turbomachinery , Mechanical Measurement , Thermodynamic

3-Consultants Experience:

About 20 years as a consultant in the field of Mechanical Power Engineering.

IV- FIELD OF INTEREST:

Heat & Mass Transfer, Thermal Engineering. , Thermodynamic , Refrigeration and Air Condition .

V- SUPERVISING AND SERVING ON THE GRADUATE COMMITTEES:

Completed Researches:

- 1- " A Study on the Effect of Additives on the Absorption under the free surface " M.S. Thesis , El-Rab , May. 2000 .

VI- LIST OF PUBLICATIONS:

- 1. Habib M.A.and Shams El-Din Sh.H.,"Flow Visualization and velocity profiles for Grains Flow Around A cylinder, Engineering Research Bulletin, Faculty of Engineering., Minoufiya University, vol.19, Part (2), PP.11-22,1996 and in: Jordanian Chemical Engineering Conference II, September 2-4, 1996, Amman-Jordan.

2. El-Ghalban A.R., Shams El-Din Sh., Hanafy A. and El-Rab M.G., "A Study on the Effect of Additives on the Absorption under the free Surface" the 12th international symposium on Transport Phenomena, Conference, July 16-20, Istanbul-Turkey, pp.489-494, 2000.
3. Abdel- Fattah A. and Shams El-Din Sh. H. , "Numerical Study of Two Dimensional Reattachment Jet" sci, Bull. Fac.Eng.Ain Shams Univ., vol.39, No.1, PP. 903-924, March 31,2004.
4. Shams El-Din Sh.H. and Abdel-Fattah A."A Study on Turbulent Flow and Heat Transfer in Tubes with Internal Baffles", Engineering Research Journal(ERJ), Minoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, vol. 27,No.3,pp.243-251, July, 2004.
- 5-A Habib M.A. and Shams El-Din, Sh.H " Mathematical Modelling for predicting the Thermal Performance of Solar Distillation Units" Engineering Research Journal (ERJ), Minoufiya University, Faculty of Engineering, Shebin El-Kom , Egypt, Vol.24, No. 4, pp.49-70, October, 2001.
- 5-B. Shams El-Din, Sh.H., "Performance Enhancement of Solar Still Using Reflectors", sci. Bull. Fac.Eng.Ain Shams Univ., vol. 39, No.2, pp. 963-979, June 30,2004.
- 6-A- Shams El-Din Sh. H., "Heat Transfer Characteristics of an Inclined Single-Phase Toroidal thermosyphon" Alexandria Engineering Journal (AEJ), Vol. 44, No.2, March 2005, pp. 157-171, Faculty of Engineering, Alexandria University, Egypt.
- 6-B- Shams El-Din Sh. H., "Experimental Study of Heat Transfer in Inclined Toroidal Two-Phase Thermosyphon", Engineering Research journal (ERJ), Vol. 29, No. 2, April 2006, pp.143-150, Faculty of Engineering, Minoufia University, Egypt.
- 7-A- Shams El-Din Sh. H., "Experimental Investigation of Closed Inclined Two-Phase Thermosyphons with Internal Finned condenser" Sci.Bull. Fac. Eng.Ain Shams Univ.,Vol.40, No.2, June 30,2005,pp.763-793.
- 7-B- Shams El-Din Sh. H., And Abdel-Baky Mostafa A."Improved Heat Transfer of Closed Two-Phase Thermosyphon with an Internal Wall Separating Liquid and Vapor Streams" Sci.Bull.Fac. Eng. Ain Shams Univ.,Vol. 40,No.4, December 31,2005, pp. 1137-1157
- 8- Shams El-Din Sh. H., "Natural Convection in the Inclined offset Evaporative Thermosypho" Engineering Research Journal (ERJ),

- Faculty of engineering, Minoufiya University, Egypt.Vol.29, No. 1, JANUARY 2006, PP.47-55,
- 9- Shams El-Din Sh. H., "Experimental Study of Heat Transfer Enhancement of Protruding Heated Blocks in a Horizontal Channel" Engineering Research Journal (ERJ) , Faculty of Engineering, Minoufiya University, Egypt.Vol.29, No.3, July 2006,
 - 10- Madi M.B.,Khalifa B.A.,El-Shorbagi K.A. and Shams El-Din SH.H."Effect of swirl motion on the coefficient of friction and convective heat transfer in a circular Annuli" Part (1), Theoretical Analysis, Eng.Research Bull.,Faculty of Engineering and Tech., Minoufiya University, vol.(v), Part (1), PP.179-202,1983.
 - 11- Madi M.B., Khalifa B.A. ,El-Shorbagi K.A. and Shams El-Din SH.H."Effect of swirl motion on the coefficient of friction and convective heat transfer in a circular Annuli" Part (2), experimental work, Eng. Research Bull., Faculty of Engineering and Tech., Minoufiya University, vol.(v), Part (2), PP.203-217,1983.
 - 12- Habib M.A.and Shams El-Din Sh.H.," correlating Equations for the Maximum Heat Transfer capacity of closed Two-Phase Thermosyphons" Renewable Energy, Research and applications proceedings of 1992, International Renewable energy conference, Amman – Jordan, June 22-26, vol.1, PP.223-240, 1992.
 - 13- Habib M.A.and Shams El-Din Sh.H.,"An Experimental Investigations of solid Grains Flow over Cylindrical Surfaces", Jordanian Chemical Engineering Conference 1, Amman-Jordan, October 18-20,vol. 1,pp.126-161,1993.
 - 14- Habib M.A.and Shams El-Din Sh.H.,"Thin Layer Solar Drying Characteristics of Agricultural crops that grow in Egypt", Port – Said Scientific Engineering Bulletin, Vol.7, PP. 143-160,1995.
 - 15- Habib M.A.and Shams El-Din Sh.H.,"Utilization of Solar Energy for Hay Making and Drying Agricultural products in Egypt", Engineering Research Bulletin, Faculty of Engineering and Tech., Minoufiya University, vol.18, Part (1), PP.81-98,1995.
 - 16- Shams El-Din Sh.H., "Predicting Mass Transfer Coefficient of Agricultural Crops", Engineering, Research , Bulletin Faculty of Engineering Menoufiya University, vol.18, part 1, pp.99-112,1995.
 - 17- Habib M.A.and Shams El-Din Sh.H.,"A New Design Charts for Wrapped – Screen Wick Heat Pipes ", Engineering Research Bulletin, Faculty of Engineering., Minoufiya University, vol.18, Part2, PP. 129-160,1995.

- 19 Shams El-Din Sh. H., "An Experimental Investigation of Solar Stills with Internal and External Flat Reflectors", Engineering Research Bulletin, Faculty of Engineering., Minoufiya University, vol.18, Part (2), PP.273-293,1995.

VII- CONFERENCES PRESENTATION:

- 1- Renewable Energy; Research and Applications-Aroceedings of 1992 Intimation Renewable Energy Conference, June 22-26, 1992, Amman-Jordan.
- 2- Jordanian Chemical Engineering Conference 1, October 18-20, 1993, Faculty of Engineering and Technology, University of Jordan, Amman - Jordan.
- 3- Jordanian Chemical Engineering Conference 2, September 2-4, 1996, Faculty of Engineering and Technology, University of Jordan, Amman - Jordan.
- 4- The 12- International Symposium on Transport Phenomena Conference, July 16-20, 2000, Istanbul-Turkey.

ثالثاً : الدورات العلمية والتدريبية التي حضرها المتقدم

- 1- دورة إعداد المعلم الجامعي - كلية التربية جامعة المنوفية - مارس 1990 م .
- 2- ورشة عمل عن تكنولوجيا التحلية ADST - كلية الهندسة - جامعة الإسكندرية في الفترة من 24-25 يوليو 1999 م .
- 3- مشروع تنمية قدرات أعضاء هيئة التدريس والقيادات .
 - برنامج أخلاقيات وآداب المهنة في الفترة من 20-21 سبتمبر 2004 .
 - برنامج الإتجاهات الحديثة في التدريس في الفترة من 25-27 سبتمبر 2004 .
 - برنامج إدارة البحث العلمي (2) في الفترة من 21-23 مايو 2006 م .
 - برنامج تقييم التدريس في الفترة من 28-30 مايو 2006 م .

Signature

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