

Name: Ilham Sayed Mahgoub **Elsayed**

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Education

Bachelor of Science, honor, in Mechanical Engineering, university of Khartoum, Sudan, 1994.

Master of Science in Mechanical Engineering, university of Khartoum, Sudan, 1998

Postgraduate diploma in Management, Maastricht school of Management, Netherlands, 2000.

Doctor of Philosophy in Built Environment, Faculty of Architecture and Environmental Design, International Islamic University Malaysia, 2006.

Academic appointment at SUST

Total years of service: 9 years, since 1998

1998 – 2001 Worked as a lecturer in a full time job in Sudan University of Science and Technology, College of Engineering, Mechanical Dept. during this period I gave lectures as follows:

1- 4th year mechanical engineering:

- (i) Thermodynamics II
- (ii) Heat transfer I

2- 3rd year, final year in Refrigeration and Air conditioning Diploma, Mechanical engineering:

- (i) Refrigeration Technology
- (ii) Air conditioning Technology
- (iii) Thermodynamics and heat transfer II

3- 2nd year engineering:

- (i) Engineering Drawing I
- (ii) Engineering Drawing II

In addition to teaching duties, I was working in a capacity of **Deputy Head** of Refrigeration and Air Conditioning Section, Mechanical Department, College of Engineering. Moreover I managed to **supervise** three final year researches. Furthermore, was an active member in **Refrigeration and Air Conditioning Consultations Committee**, which dealt with outside university projects. For example we were the consultants for Sudanese Free Duty Shoppe Refrigeration and Air Conditioning project, and the consultants for Refrigeration and Air Conditioning project for the Sudan Treasury Bank.

2006 – Worked as assistant professor in a full time job in Sudan University of Science and Technology, College of Engineering, Mechanical Dept. during this period I'm lecturing the following subjects:

1- 4th year mechanical engineering:

- (i) Thermodynamics II
- (ii) Heat transfer I

2- 5th year, final year, mechanical engineering:

- (i) Refrigeration Technology.
- (ii) Air conditioning Technology.

In addition to teaching duties, I'm supervising two final year projects and a co-supervisor to an MSc partial fulfillment research. Furthermore, I'm an active member in Refrigeration and Air Conditioning Consultations Committee, Sudanese Engineers Society, and Sudanese Society for Protecting the Environment which dealt with different and multidiscipline projects; for example we participate in a recent workshop held in last May 2007, concerning the exploration of oil in Sudan and its effects in the environment.

Other related experience (please use an additional piece of paper if necessary)

1994– 1996 Sudan Rail Ways Corporation, worked as Mechanical Engineer.

1994 – 1998 University of Khartoum, Faculty of Engineering, Mechanical Department. worked as a part time teaching assistant.

1996 – 1997 Pepsi Cola Company Sudan, worked as assistant technical manager.

2001 - 2006 Pursuing Ph. D. programme in Malaysia

Membership in professional & Scientific Societies(please use an additional piece of paper if necessary)

- Sudanese Engineers Society.
- Sudanese Society for Protection of Environment

Honors, Awards, Grants

The awards for talented students in higher secondary school in additional and basic mathematics,1988.

Publications (please use an additional piece of paper if necessary)

Ilham S. M. Elsayed (2007), “The effects of population density on the intensity of the urban heat island: A case study on the city of Kuala Lumpur, Malaysia,” Proceedings of the 13th Annual Sustainable Development Research Conference, Sweden.

Ilham S. M. Elsayed (2006), “The effects of urbanization on the intensity of the urban heat island: A case study on the city of Kuala Lumpur, Malaysia,” Proceedings of the 12th Annual Sustainable Development Research Conference, Hong Kong.

Ilham S. M. Elsayed & Che Musa Che Omar (2006), “The Effects of Traffic Activity on the Intensity of the Urban Heat Island: A Case Study on the City of Kuala Lumpur, Malaysia,” Proceedings of the Second International Green Energy Conference, Oshawa, Ontario, Canada.

Ilham S. M. Elsayed & Che Musa Che Omar (2006) "A Study on the Nocturnal UHI of the City of Kuala Lumpur, Malaysia" paper sent to Engineering Journal, Kulliyyah of Engineering, IIUM,

Ilham S. M. Elsayed, Che Musa Che Omar & Alias Abdullah (2006) “The effects of urbanization on the intensity of the urban heat island: A case study on the city of Kuala Lumpur, Malaysia” paper sent to Journal of Islamic Built Environment, kulliyyah of Architecture and Environmental Design, IIUM.

Elsayed I. S. et al (2002), “Energy Stored by Urban Materials and its Effect on the Urban Thermal Environment”, Proceedings of the 3rd International Symposium on Graduate Management Research, University Utara Malaysia.

(Co-writer):

Eusuf, M. Abu. , Che Musa Che Omar and Ilham S. M. Elsayed. (2002). Energy storage process in urban materials and its effect on thermal environment: A sustainable development approach. Jakarta, Indonesia. Proceedings of the International Symposium on Environmental Issues and Sustainable Development.

Eusuf, M. Abu. , Putri Shireen J. Kassim, Faris G. Faris and Ilham S. M. Elsayed. (2003). A Study of correlation among solar energy storage, urban materials and effect on sustainability. Bangkok, Thailand. Proceedings of the 1st International Conference on Sustainable Energy and Green Architecture (SEGA) – Energy – Climate Responsive Building.

Institutional & Professional activities in last 5 years (please use an additional piece of paper if necessary)

21–23 May 2007 :Exploration of oil in Sudan and sustainable development workshop.

Professional development activities in last 5 years (please use an additional piece of paper if necessary)

2001 - 2006 Pursuing Ph. D. programme in international Islamic University Malaysia, Faculty of Architecture and Environmental Design

2002 – 2005 Worked as a part time Lecturer in the International Islamic University Malaysia, Kulliyyah of Engineering and Kulliyyah of Architecture and Environmental Design. Duties given to me were giving tutorials and Demonstrations in the laboratories.