Dr. Osama Hassan Atallah

Contact Information

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Work Experience:

(Current)
Alexandria University, Alexandria, Egypt.
Lecturer, Medical Research Institute, Department of Biomedical Engineering.

Contributions:

1. Teaching and course development of: Physiological Modeling, Simulation and Control (Master course)
2. Master thesis supervision.
3. E-learning Unit.

(Oct. 2005 – Mar. 2011)
Modern Sciences and Arts University (MSA), 6th October City, Egypt.
Senior lecturer, Faculty of Computer Sciences.

Contributions:

1. Teaching and course development, of the following courses: Computer Architecture, Microprocessor Systems, Assembly Language Programming, Distributed Systems, and Modeling and Simulation.
2. Faculty assessment board.

(Oct. 2008 – Sept. 2010)
King Saud University, Riyadh, Saudi Arabia.
Assistant Professor, Faculty of Computer Engineering and Sciences, Al-Kharj.

Contributions:

1. Computer engineering curriculum development.
2. Teaching and course development, of the following courses: C++ Programming, Digital Design, and Assembly Language Programming.
3. Faculty council.

(March – August 2005)
Higher Technological Institute (HTI), 10th Ramadan City, Egypt.
Lecturer, Department of Mechatronics Engineering.

Contributions:

1. Teaching and course development of the following courses: Design of Smart Machines, and Microprocessor Interfacing Lab.
2. Academic supervision.

Education

(June 2004)
De Montfort University, Leicester, UK. Collaboration with **Princeton University**, New Jersey, USA.

PhD, Faculty of Computing Sciences and Engineering, Electrical Engineering department.
Thesis title: Acceleration Techniques for Photo-Realistic Computer Generated Integral Images

(June 1999)
De Montfort University, Leicester, UK.
BEng (Honours) Electronic Engineering, First Class degree gained.

Languages

Arabic: Native Tongue.
English: Fluent.

Publications

- Osama H. Youssef et al, "Pixels Grouping and Shadow Cache for Faster Integral 3D Ray-Tracing", *Stereoscopic Display and Virtual Reality Systems IX*, Vol. 4660, pp 123-134, SPIE, 2002.
- Osama H. Youssef, "Acceleration Techniques for Photo-Realistic Computer Generated Integral Images". PhD Thesis, De Montfort University, 2004.
- M. Eljdid, A. Aggoun and O. H. Youssef, "Computer Generated Content for 3D TV", 3DTV Conference, Greece, 2007.
- A. Aggoun and O. H. Youssef, "Coherent grouping of pixels for faster shadow cache in 3D holoscopic computer graphics", *The True Vision – Capture, Transmission and Display of 3D Video*, 3DTV Conference, Finland, 2010.

References

- Prof. I. Abdelfattah, Dean of the Faculty of Computer Science, Modern Sciences and Arts University, Al-Wahat Road, 6th October City, Egypt.
- Prof. H. Elsimary, Chair, Department of Computer Engineering, College of Computer Engineering and Sciences, King Saud University, Al-Kharj City, Saudi Arabia.
- Dr. A. Aggoun, Reader, School of Engineering and Design, Brunel University, Uxbridge, Middlesex UB8 3PH, UK.