Basic Information :

Name :	Amani Helmy Youssef Al Rayes
Title :	part-time Professor

Amany Helmy Yosif El Rayyes works as a part-time Professor at the Faculty of Economics and Political Science at Future University in Egypt.

Education :

Certificate	Major	University	Year
PhD	Computer Science	Birmingham University	2000
Masters	Pure Mathmatics	Ain Shams University, Faculty of Science	1993
Bachelor	Mathamatical Statistics	Ain Shams University, Faculty of Science	1983

Teaching Experience :

Name Of Organization	Position	From Date	To Date
Future Univesity, Faculty of Economics and Political Science	Teacher, Statistics and Mathmatics	01/01/2010	01/01/2011
Cairo Demographic Center	Teacher	01/01/2010	01/01/2011
Future University, Faculty of Economics and Political Science	Teacher, Managerial Economics	01/01/2009	01/01/2010
Shorouk Academy	Teacher, Financial Mathmatics	01/01/2007	01/01/2008

Research :

Team Research:• Development of Cross Border Trade Among Nile Basin Countries. A Scoping Study. Nile Basin Initiative, Socio-Economic Development And Benefit Sharing Project. Institute of National Planning and Nile Basin Initiative. July 2007

Higher Education and Research in Egypt. Amani El Rayes and Hosam El Emam. Chapter in Book "Shaping Research Universities in the Nile Basin Countries. Mary Mwiandi, Kassahun Berhanu and Tor Halvorsen (editors). University of Bergen. Fountain Publishers 2010.

• About concepts and indices of knowledge economy. (Some international experiments and the Egyptian case). INP Memo number (1634), Institute of National Planning. September 2007.

Developing Data Quality in Egypt. Amani El Rayes and Others. Planning and Development issues series number (232). January 2012.(in Arabic)

• Towards an optimal mix of energy in Egypt. Amani El Rayes and others. Planning and Development issues series number (227). September 2010.(in Arabic)

• Using PEPA to Model the Unemployment Problem. Case Study Egypt. With Ann Nosseir. INP Memo number (1646), Institute of National Planning. September 2010

• Using the Probabilistic Model Checker PRISM to analyze Credit Card Use. With Mevliyar Er. In The Electronic Journal Information Systems Evaluation (EJISE) Volume 11 Issue 1, pp. 7 - 16, 2008, available online at www.ejise.com.

• Solving Infinite Stochastic Process Algebra Models through Matrix-Geometric Methods. With M. Kwiatkowska and G. Norman. In J. Hillston and M. Silva, editors, Proceedings of the Seventh Annual Workshop on Process Algebra and Performance Modelling (PAPM'99), pages 41-62, Zaragoza, Spain, September 1999. University of Zaragoza Press.

• Analysing Performance of Lift Systems in PEPA. With M. Kwiatkowska and S. Minton. In the 12th UK Computer and Telecommunications Performance Engineering Workshop, pages 83-100, University of Edinburgh, 1996.

Conference :

Cross-Disciplinary Research. Seminar (with A. Nassar and H. El-Emaa). In 36th International Conference for Statistics, Computer Science and its Applications, Cairo, Egypt. April, 2011.

- Applications of Super Computer in Social Sciences. Seminar (with A. Nassar, B. El Haddad and A. Nosseir) In 34th International Conference for Statistics, Computer Science and its Applications, Cairo, Egypt. April 13, 2009

- Where did the Soft Sciences go?. In the first Nile Basin Research Conference. Dar es Salaam, Tanzania. 8-12 June, 2009

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