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## Education:

Ph.D: Biomedical Signal Processing, Dept. of Electrical, Electronic & Information Engineering (EEIE), City University, London, UK, Feb. 2002.

MSc: Electronic Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt, 1994.

BSc: Electronic Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt, 1989.

## Current Position:

2015-Now: Assistant Professor of Electronic Engineering in the department of Industrial Electronics and Control Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt.

## Previous Work Experiences

2012-2015: Assistant Professor of Electronic Engineering, College of Engineering, University of Dammam, Kingdom of Saudi Arabia.

2009-2012: Assistant Professor of Electronic Engineering in the department of Health Information Management and Technology, College of Medical Applied Sciences, University of Dammam, Kingdom of Saudi Arabia.

2002-2009: Assistant Professor, Faculty of Electronic Engineering, Menoufia University, Egypt.

1994-2002: Lecturer, Faculty of Electronic Engineering, Menoufia University, Egypt.

1990-1994: Demonstrator, Faculty of Electronic Engineering, Menoufia University, Egypt.

## Research Interest:

- Biomedical Signal Processing,
- Modeling and Automatic Control Engineering,
- Health Information Systems.

## Recent Publications:

- S. El-Khafif, "A novel super-resolution music-based pseudo-bispectrum," *17th IEEE International Conference on [Digital Signal Processing \(DSP\), 6-8 July 2011.](#)*
- S. El-Khafif, "A polycoherence-based ECG signal non-linearity detector," *17th IEEE International Conference on [Digital Signal Processing \(DSP\), 6-8 July 2011.](#)*
- S. El-Khafif, "Music pseudo-spectrum detects ECG ischaemia," *17th IEEE International Conference on [Digital Signal Processing \(DSP\), 6-8 July 2011.](#)*
- Azza Al-Mahalawi, Sahar El-Khafif, and Mona AlKahtani, "Successes and Challenges in the Implementation and Application of Telemedicine in the Eastern Province, Kingdom of Saudi Arabia", *Perspectives in Health Information Management, AHIMA, 2012.*
- Sahar H. El-Khafif and Mohamed A. El-Brawany, "Artificial Neural Network-Based Automated ECG Signal Classifier," *ISRN Biomedical Engineering*, vol. 2013, Article ID 261917, 6 pages, 2013. doi:10.1155/2013/261917
- Azza Al-Mahalawi, Sahar El-Khafif, and Wid Yamani, "Assessment of Pharmacy Information System Performance in Three Hospitals in Eastern Province- Saudi Arabia", Accepted in the *Perspectives in Health Information Management*, Winter issue 2016.