Dr. Ghada Mohamed El Banby
Lecturer

Menoufia University, Faculty of Electronic Engineering
Department of Industrial Electronics and Control Engineering
Menouf, PO Box 32952 Menouf City, Menoufia Governorate, Egypt

Email: ghadabanby@yahoo.com

Ghada.elbambi@el-eng.menofia.edu.eg

Education:

Ph.D:, : Electronic Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt, 2012.

MSc: Electronic Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt,2006.

BSc: Electronic Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt, 1998.

Current Position:

2012-Now: Lecturer at the Dept of Industrial Electronics and Control Engineering, Faculty of Electronic Engineering, Menoufia University, Egypt.

Previous Work Experiences

2012- now: lecturer, Faculty of Electronic Engineering, Menoufia University, Egypt.

2006-2012: Assistant lecturer, Faculty of Electronic Engineering, Menoufia University, Egypt.

1998-2006: Demonstrator, Faculty of Electronic Engineering, Menoufia University, Egypt.

Research Interest:

- Data Fusion& multi-sensors
- Image processing
- Modeling and Control

Scientific mission:

Scientific mission for 3 months at Arizona state university for scientific preparation for Ph. D. study (Oct. 2006 – Dec. 2006)

Publications:

- **El Banby, Gh. .M. ,El Madbouly, E.E.; Abdalla, A.E.,** "Multisensor Data Fusion Fuzzy Similarity-based of Several Kalman Filters", *The 6th International Conference on Electrical Engineering (ICEENG 2008)*, Military Technical College, Cairo-Egypt, 27-29 May, 2008, pp. 1-14

- **El Banby, Gh. .M. ,El Madbouly, E.E.; Abdalla,** A.E., "Fuzzy Adaptive Kalman Filter for Multi-Sensor system", International **IEEE** Conference on Networking& Media Convergence (ICNM'09), Iformation Network, Ain Shams University, Cairo-Egypt, 24-25 March, 2009, pp. 141-145

- **El Banby, Gh. .M. ,El Madbouly, E.E.; Abdalla, A.E.,** "Sensor fusion And Sensor Fault Detection With Fuzzy Clustering", International **IEEE** Conference on Computer Engineering &Systems (ICCES2010), Faculty of Engineering, Ain Shams University,
Cairo-Egypt, 30 November- 1 December, 2010, pp. 265-268.

- **El Banby, Gh. .M. ,El Madbouly, E.E.; Abdalla, A.E.,** "Fuzzy Principal Component Analysis for Sensor Fusion", *11th International IEEE Conference on Information Science, Signal Processing and their Applications (ISSPA), Montreal, QC, Canada, 3-5 Jul, 2012, pp. 466-471.*