

# Omnia Ismail

## Contact Information:

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## Personal Information:

Birth Date: 12/4/1989  
Gender: Female  
Nationality: Egyptian  
Marital status: Single

## Education:

2006-2010	BS	Computer Science	Cairo University
2011-2012	Pre-master	Computer Science	Cairo University
2013-2015	MS	Computational Science	Cairo University

## Employment

2011- Until now Teaching assistant at Mathematics Department,  
Faculty of Science, Cairo University.

## Research Interests

- Parallel and distributed computing
- Fault tolerance in distributed systems
- Algorithm based fault tolerance

## MS

Advisors: Prof. Dr. Laila Fahmy, Prof. Dr. Nasser Swielam, and Dr. Hatem Moharram.  
Title: Fault Tolerance Scheme for Some Mathematical Models.

## **Publications**

1. N. H. Sweilam, H. Moharram and O. Ismail, A Parallel Two-Level Algorithm for Solving Time-Fractional Parabolic Equation, in Proceedings of the 3rd International Conference on Mathematics & Information Science, 28-30 Dec. 2013.
2. N. H. Sweilam, H. Moharram, U. A. Badawi and O. Ismail, Online Algorithm Based Fault Tolerance Scheme Using Diskless Checkpointing for Solving Sparse Linear Systems, Accepted in Applied Mathematics & Information Sciences Journal, 2014.