Curriculum Vitae
Ehab Z. Elfeky
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PROFESSIONAL PROFILE

- Accomplished career demonstrating consistent progress in teaching and research area.
- Effective communicator with excellent planning, organizational, and negotiation strengths.
- High ability to lead, reach consensus, establish goals, and attain results.
- Extensive experience in Academic fields (18 years between studying, teaching, doing research).

EDUCATION

Ph.D.   2005–2009   *Australian Defense Force Academy.*   UNSW (Australia).

- School of Information Technology and Electrical Engineering.
- Thesis Title: Evolutionary Algorithms for Constrained Optimization.

Master   2001–2004   *Faculty of Computers & Information.*   Cairo Univ. (Egypt).

- Department: Operations Research & Decision Support.
- Thesis Title: Design of Parallel Genetic Algorithms Towards Solving Multi-Objective Programming Problems.

PreMaster   2000–2001   *Faculty of Computers & Information.*   Cairo Univ. (Egypt).

- Department: Operations Research & Decision Support.
- Grade: Credit.
- Project Title: Multi-Objective Optimization using Genetic Algorithms.
- Project Grade: V.Good.

B.Sc.   1996–2000   *Faculty of Computers & Information.*   Cairo Univ. (Egypt).

- Department: Operations Research & Decision Support.
- Grade: V.Good (Honor Degree).
- Project Title: Developing Decision Support Tools for the Egyptian German Automotive Company (EGA) Mercedes-Benz Egypt.
- Project Grade: Excellent.

HONORS AND AWARDS

- UCPRS Scholarship in Australian Defense Force Academy in University of New South Wales 2005.
- The best master thesis in Operations Research & Decision Support Department in Cairo University 2001.
- The Ideal Student in Faculty of Computers and Information, Cairo University, Egypt 1998.

PROFESSIONAL EXPERIENCE

- **Lecturer Assistant**

02/04/2005 – Current   *Faculty of Computers & Information.*   Cairo Univ. (Egypt).
PhD Candidate, Lecturer Assistant, Research Assistant, and Lab Assistant.

- **Demonstrator**

21/09/2000 – 01/04/2005   *Faculty of Computers & Information.*   Cairo Univ. (Egypt).
Master Candidate, Master Researcher

21/09/2001 – 30/06/2002   *Faculty of Nursing.*   Cairo Univ. (Egypt).
Teaching: Introduction in Computers, DOS, Windows, WinWord.

| 21/09/2001 – 21/12/2001 | *Faculty of Commerce (English Dept.)* | Cairo Univ. (Egypt). |

Teaching: Ms-Excel.

- **Tutorial Instructor**

| 21/06/2004 – 16/08/2005 | *Faculty of Engineering.* | Alexandria Univ. (Egypt). |

Primavera (P3), ORACLE (Database Overview).

| 11/10/2000 – 17/09/2002 | *Mohandis Information System (MIS).* | Cairo (Egypt). |

Excel, Access, Visual Basic, Hardware, and Primavera.

| 16/06/2001 – 15/08/2001 | *Zamalek Sporting Club.* | Cairo (Egypt). |

Introduction in Computers, Windows.

- **Training**

| 1/08/1999 – 14/09/1999 | *Governmental Business Sector.* | Cairo (Egypt). |

Developing Operations Research Software Applications using Visual C++.

| 1/07/1999 – 31/07/1999 | *IBM Corporation.* | Cairo (Egypt). |

Windows NT Administration & Software Technical Support.

PUPLICATIONS

- **Journal Papers**

E. Z. Elfeky, R. A. Sarker, and D. L. Essam, "Analyzing the Simple Ranking and Selection Process for Constrained Evolutionary Optimization," *Journal of Computer Science And Technology*, vol. 23, pp. 19-34, 2008.

M. A. Bayoumi and E. Z. Elfeky, "A Directed Genetic Algorithms for Treating Linear Programming Problems," *International Journal of The Computer, The Internet and Management*, vol. 11, pp. 37-51, 2003.

- **Lecture Notes in Computer Science Papers**

E. Z. Elfeky, R. A. Sarker, and D. L. Essam, "Task Decomposition for Optimization Problem Solving," in *Simulated Evolution And Learning*, vol. 5361, *Lecture Notes in Computer Science*. Melbourne: Springer Berlin / Heidelberg, 2008, pp. 329-388.

E. Z. Elfeky, R. A. Sarker, and D. L. Essam, "A Simple Ranking and Selection for Constrained Evolutionary Optimization," in *Simulated Evolution and Learning*, vol. 4247, *Lecture Notes in Computer Science*, T.-D. Wang, X. Li, S.-H. Chen, X. Wang, H. A. Abbass, H. Iba, G. Chen, and X. Yao, Eds. Hefei: Springer Berlin / Heidelberg, 2006, pp. 537-544.

- **Other Conferences' Papers**

E. Z. Elfeky, R. A. Sarker, and D. L. Essam, "Partial Decomposition and Parallel GA (PD-PGA) for Constrained Optimization," *presented at IEEE International Conference on Systems, Man, and Cybernetics*, Singapore, October 2008, pp. 220-227.

A. S. S. M. Barkat Ullah, E. Z. Elfeky, D. Cornforth, D. L. Essam, and R. A. Sarker, "Improved Evolutionary Algorithms for Solving Constrained Optimization Problems with Tiny Feasible Space," *presented at IEEE International Conference on Systems, Man, and Cybernetics,* Singapore, October 2008, pp. 1426-1433.

M. A. Bayoumi and E. Elfeky, "Parallel Genetic Algorithms for solving Multi-Objective Optimization problems," *presented at The Second International Conference on Informatics and Systems (INFOS2004)*, Egypt, 2004.

Computer Skills

- Programming Languages: C++, Pascal, C++ Builder, Delphi, Visual C++, and Visual Basic.
- Modeling Languages: GAMS.
- Simulation Languages: SimScript.

- Microsoft Office (Word, Excel, Access, and PowerPoint).
- GIS: ArcInfo, ArcView.
- Project Management: Premavira(P3), Microsoft Project98.
- Microsoft Windows Maintenance (from Windows 98 up to Windows Vista).
- Hardware Maintenance: (PCs (Expert), Notebooks (Knowledgeable)).

LANGUAGES

- Arabic (native).
- English (proficient).

PERSONAL INFORMATION

- Date of Birth: 11/02/1978.
- Marital Status: Married.
- Personal Interests: Volleyball, Chess, and Tennis.

REFERENCES

- **Mohamed Saleh**
  Associate Professor
  Head of Operations Research and Decision Support Department
  Faculty of Computers and Information
  Cairo University
  Egypt
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- **Ruhul A. Sarker**
  Associate Professor
  School of Information Technology and Electrical Engineering
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- **Hussein Abbass**
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