

RESUME

Dr. Mohamed Mahmoud Ali, Ph.D

Assistant Professor, Collage of Management & Technology (CMT)

CCIE R&S # 18220



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Career Objective

Working as a professor, freelancer trainer and a consultant within global organization and industry leader of (IP) networking solutions & technologies, this will utilize my teaching, technical & management expertise skills in different varieties of networking systems. My concentration is enabling IP intelligent networks to converge data, voice, video in a secure & integrated architecture; I would like to contribute to that company continued success, while also enhancing my experiences. **Personal Information**

Birth Date:	15 April 1977
Gender:	Male
Nationality:	Egypt
Marital Status:	Married
Number of Dependants:	2

Academic Background:

- **English Boys School EBS** Thanawia Garduated1995
- **B.Sc. in Electronics & Communication**, communication engineer, Alexandria University, Egypt. Graduated 2000.

- **Master Degree in Communication** Title "***All Optical Core Networks Using Optical Burst Switching***". Arab Academy for Science and Technology. Graduated 2005 Grade Excellent
- **Ph.D Degree in Communication** Title "***New Optical Parameters Dependant Routing Metric Used in Unequal Load Balance Routing for OBS Networks***", Faculty of Engineering, Alexandria University. Graduated 2010.

Professional Certification:

- Cisco Certified Internetwork Expert R&S **CCIE R&S # 18220**
[**Verification:** https://tools.cisco.com/CCIE/Schedule_Lab/CCIEOnline/CCIEOnline?verify
First Name : Mohamed Mahmoud , Last Name : Ali , CCIE Number : 18220]
- Cisco Certified Network Professional (**CCNP**)
- Cisco Certified Academy Instructor for CCNA and CCNP **CCAI [CCNA/CCNP]** (first one to get CCAI for CCNP in Africa and Middle East since 2002.
- Cisco Certified Network Associate (**CCNA**)
- Cisco sales expert (**CSE**)
- Oracle Certified Professional (**OCP DBA**) since 2001.

Experience (Employment History)

Position: Director - Computer, Network and Data Center.
Assistant Professor, Collage of Management & Technology (CMT)

Job Description:

Directing 5 IT departments (Network, System, Security, Operation and Support and Call Center) and the Data Center for Arab Academy with more than 18000 students and 5000 employees in 10 different campuses. Head of Networks and Security courses in collage.

List of Publications

- 1] Mohamed M. Ali, Moustafa H. Aly and Hossam M. H. Shalaby, "Wavelength Reservation and Traffic Loading in Optical Burst Switching Network Design: A Comparison Between Different Techniques," Proceeding of the 3rd Saudi Technical Conference, Reyadh, Saudi Arabia, vol. II, pp. 272-279, Dec. 11-14, 2004.
- 2] Wael Hosny, Mohamed M. Ali, Moustafa H. Aly and El-Sayed A. El-Badawy, "Effect of Link Bandwidth, Number of Channels and Traffic Load on Designing Optical Burst Switching Networks," Proceeding of the 18th International Conference on Computer: Theory & Applications, ICCTA 2008, Alexandria, Egypt, pp. 47-51, Oct. 11-13, 2008.
- 3] Wael Hosny, Mohamed M. Ali, Moustafa H. Aly and El-Sayed A. El-Badawy, "New

Optical Parameters Dependent Metric for Effect of Link Open Shortest Path First Routing Protocol for Optical Burst Switching Networks,” Proceeding of the 6th International Conference on Wireless Optical Communications Networks WOCN2009, Cairo, Egypt, ISBN 978-1-4244-3474-9 ©2009 IEEE, Paper S15-7, April 28-30, 2009.

- 4] Mohamed M. Ali, Moustafa H. Aly, El-Sayed A. El-Badawy and Wael Hosny, "Optical Parameters and Link Delay Dependent Routing Metric for OBS Networks,” Proceeding of the 6th International Symposium on High Capacity Optical Networks and Enabling Technologies HONET’09, 978-1-4244-5995-7/09/\$26.00©2009 IEEE, pp. 254-260, Alexandria, Egypt, Dec. 28-30, 2009.
- 5] Mohamed M. Ali, Wael Hosny, El-Sayed A. El-Badawy and Moustafa H. Aly, "Unequal Load Balance Routing for OBS Networks Based on Optical Parameters Dependent Metric,” Proceeding of the 27th National Radio Science Conference, NRSC’2010, Menouf, Egypt, pp. D8 (1-11), March 16-18, 2010.
- 6] Heba A. Fayed, Mohamed Mahmoud, A.K. AboulSeoud and Moustafa H. Aly, "A Wide Range Tunable Fiber Bragg Grating Using Fast Changeable Electromagnetic Force,” Proceeding of the Photonics North 2010 Conference, Proc. of SPIE, vol. 7750, pp. 77501R (110), Canada, June 1-3, 2010.
- 7] Heba A. Fayed, Mohamed Mahmoud, A.K. AboulSeoud and Moustafa H. Aly, "Magnetically Tunable Fiber Bragg Grating Supported by Guiding Mechanism System,” Proceeding of the Photonics North 2010 Conference, Proc. of SPIE, vol. 7750, pp. 77501Z (111), Canada, June 1-3, 2010.
- 8] Mohamed Mahmoud, Heba A. Fayed, A.K. AboulSeoud and Moustafa H. Aly, "Innovative Architecture of Switching Device for Expanding the Applications in Fiber to the Home (FTTH),” Proceeding of the Photonics North 2011 Conference, Proc. of SPIE Canada, May 16-18, 2011.
- 9] Mohamed Mahmoud, Heba A. Fayed, A.K. AboulSeoud and Moustafa H. Aly, "Asymmetric Modified Optical Cross Add Drop Multiplexer to Cancel Crosstalk,” Proceeding of the Photonics North 2011 Conference, Proc. of SPIE Canada, May 16-18, 2011.
- 10] Khaled Kassem, Mohamed Mahmoud, " Cloud Computing and Virtualization as A Knowledge Economy: A Big Industrial Chance for Emerging Economies & SMEs,” " المؤتمر العربي الخامس " للمعلومات والصناعة والشبكات", Morocco, December 20-22, 2011.

- Cloud computing researcher.

List of Teaching Courses

Serial	Course Name	Departement/Collage	Term	Date
1	Networks & Communications	BIS Department – Management and Information Technology Collage Arab Academy for Science & Technology	Sixth	From 2010 till Now.

2	Introduction to Computer Programming (Java 1)	BIS Department – Management and Information Technology Collage	Fifth	From 2010 till Now.
		Arab Academy for Science & Technology		
3	Applications in Computer Programming (Java 2)	BIS Department – Management and Information Technology Collage Arab Academy for Science & Technology	Sixth	From 2010 till Now.
4	Information Security	BIS Department – Management and Information Technology Collage Arab Academy for Science & Technology	Seventh	From 2010 till Now.
5	Information System Design (ISD)	BIS Department – Management and Information Technology Collage Arab Academy for Science & Technology	Fourth	From 2010 till Now.
6	Operating Support Systems 1	Tourism Collage Arab Academy for Science & Technology	Third	From 2010 till Now.
7	Operating Support Systems 2	Tourism Collage Arab Academy for Science & Technology	Fourth	From 2010 till Now.

Previous Position: Network Supervisor & Cisco Academy Instructor/comanager

Duration: October 2001 – 2009

Company: Arab Academy for Science, Technology & Maritime – Egypt (Alexandria) Engineering Academy, Cisco Academy & [Cisco premier partner](#), Headquarter Based in Alexandria, Egypt, with branches in Cairo, Aswan.

Company Profile:

Arab Academy for Science, Technology and Maritime Transport is a unique technology university comprised of various studies and programs in a variety of specialization leading to M.Sc., B.Sc., B.Eng., and B.Tech. Degrees, Certificates of Competency, specialized Diplomas, and Certificates for training workshops personnel.

Job Description:

- Installing, configuring and supervising all sites including about 10000+ nodes. – LAN design, implementation and troubleshooting including STP, MSTP, EtherChannel, ..etc.
- WAN Design, implementation and troubleshooting including 34 Mbps internet connection from more than one ISP with load balancing scenarios, 25 Mbps VPN connection to all of our remote sites, BW management, QoS,...etc. – Network, security, voice and wireless courses training.
- Handel all network services including internet access, Video conference, intranet application access, VOIP, wireless AP... – Implementing strict QoS & security policy. – Cisco (CCNA, CCNP) Instructor.
- Cisco Certified (CCNA, CCNP, CCAI).
- CCIE R&S #18220 since 2007.
- Design and implement network projects as a Cisco partner.
- Project Manager for implementing latest technology – state of the art – Data

Center equipped with Catalyst 6500 with FWSM, IDSM and FortiGate, ASA, NAC, ISR..etc

Personal Skills:

- Native Arabic Language
- Fluent English Language (Speaking, Listening and Writing) □ Communication Technology Vision.
- Customer oriented, Team spirit, Self-confident & Hardworking.
- Excellent People, Communication & interpersonal skills.
- Project Management, Planning and follow-through skills.
- Management & Team Leadership skills.
- Excellent analytical, interpersonal, writing and communication skills.
- Ability to manage and deliver against multiple priorities on time.
- Technology oriented with good technical aptitude.
- Ability to work under pressure and to meet deadlines.
- Team player and able to work with others effectively.
- Quick learner, and highly motivated.
- Self motivated individual that is dedicated to exceeding customer expectations.
- Ability to work effectively, add value as a team member and assume a leadership role for the team.

On-Job Professional Skills:

- Excellent Knowledge of Networking landscape.
- Strong ability to grasp new concepts.
- Lead technical design/architecture reviews.
- Demonstrated technical knowledge and consultative skills.
- Competitive knowledge including solution, technology and product offerings.
- Expert level of networking methodologies for solutions delivery to clients/customers.
- In-depth Hand-On experience with Cisco main products line and services.
- Possess a positive attitude and a strong desire to drive networking related sales.
- Excellent Technical Skills for Consultation, Pre-Sales/Post-Sales support, Designing, Troubleshooting, Implementation, Configuration.
- Possess excellent troubleshooting skills coupled with an ability to quickly master new products, particularly the latest Networking and Internet technologies.
- Possess excellent People & Communication skills with peers and customers; contribute to corporate objectives as a team player.
- Possess expert level internetworking troubleshooting in a large-scale network environment using security products from Cisco and other vendors and be able to be the lead Advanced Services engineer for large-scale network security projects.
- Obtained detailed knowledge on computing telecommunications, network and security industries.

- Strong analytical ability, including system design and capacity planning (using cost effective methodology), operations methodology, and error detection and resolution techniques.
- Strong technical account liaison and management skills.
- Understanding and conversant about company, competitors, technologies, solutions, product strengths, weaknesses, opportunities and threats.