

**Professor Nasser N. Abdellatif**  
**Curriculum Vitae**  
**(Last Updated: August 2022)**

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**PERSONAL DATA** **Born:** January 1, 1963 **Place:** Amman, Jordan  
**Nationality:** Jordanian

**EDUCATION** **Bachelor of Engineering (BE)** in Electrical Engineering, City College of New York. New York NY, USA 1985.  
**Master of Engineering (ME)** in Electrical Engineering, City College of New York. New York NY, USA 1986.  
**Ph. D. Electrical Engineering**, City University of New York. NY, NY, USA 1991.

**TITLE OF THESES Ph. D. “Performance of Non-Binary Projection Codes.”**

**JOB HISTORY:**

2021 – 2022 **Dean**, Faculty of Engineering and Technology, Applied Science Private University, Amman, Jordan.

2014 – 2016 **Vice President**, Applied Science University, Amman, Jordan

2013 – 2014 **Vice President of Academic Affairs**, Applied Science University, Amman, Jordan

2009 – 2017 **Dean of Student Affairs**, Applied Science University, Amman, Jordan

2005 – Present **Professor**, Department of Electrical and Computer Engineering, Applied Science University, Amman, Jordan

1998 – 2004 **Division Coordinator, Science, Math and Technology Division**, City University of New York, Bronx, New York, USA.

1996 – 2005 **Chairperson, Department of Physics & Technology**, City University of New York, Bronx, New York, USA.

1998 – 2005 **Professor**, Department of Physics & Technology, City University of New York.

1996 – 1998 **Associate Professor**, Department of Physics & Technology, City University of NY.

1995-1996 **Acting Chairperson, Department of Engineering Technologies**, City University of New York, Bronx, New York, USA.

1992-1996 **Assistant Professor**, Department of Engineering Technologies, City University of NY.

1991-1992 **Assistant Professor, (sub.)**, Department of Engineering Technologies, CUNY.

1988-1991 **Adjunct Lecturer**, Department of Engineering Technologies, City University of NY.

2001 – 2005 **Professor (Regular Part time)**, DeVry University, North Brunswick, NJ, USA

2000- 2001 **Adjunct**, DeVry University, North Brunswick, New Jersey, USA

1990–1991 **Project Engineer**, SCS Telecom, Port Washington, New York, USA

1991-1992 **Consultant**, SCS Mobilcom Inc., Port Washington, New York, USA

1986-1991 **Adjunct Lecturer**, City College of New York. NY, USA.

## **TEACHING EXPERIENCE:**

**Undergraduate courses:** Voice Communications, Data Networks, Visual Basic, C++, UNIX and LINUX, Connectivity with Lab., Digital Electronics, Electronic Devices, Statistics, Circuit Theory I and II, Communication Systems, Advanced Communication Systems. Communications Electronics, Digital Communications, Signals and systems, Digital Signal Processing Engineering Applications, DC Circuit Analysis, AC Circuit Analysis, Fiber Optics, Electronics II, Computer Applications, Data Communications, Advanced Telecommunications, Digital Electronics II and Microprocessor systems.

**Graduate Courses:** Digital Signal Processing, Information Theory, and Coding, Digital Communications, Spread Spectrum Communications.

## **ACADEMIC HONORS**

Verizon Next Step Star Award 2005.

Bronx Community College Performance Excellence Award 2002

Bronx Community College Foundation Research Award 1994

City University Fellowship, 1990, 1991.

National Deans List 1983-1986.

## **GRANTS**

- 1. STEP- Science and Technology Entry program** 1996-1997,1997-1998, 1998-1999, 1999-200,2001-2002,2002-2003,2003-2004, 2004-2005. New York State Education Department (Amounts Awarded: \$104,000, \$103,000, \$112,000, \$107,000, \$104,000, \$102,000, \$106,000, \$109,000)
- 2. CSTEP-Collegiate Science and Technology Program** 1996-1997,1997-1998, 1998-1999, 1999-200,2001-2002,2002-2003,2003-2004, 2004-2005. New York State Education Department (Amounts Awarded: \$85,000, \$84,000, \$86,000, \$88,000, \$84,000, \$88,000, \$90,000, \$87,000)
- 3. Tech Prep Program** 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005  
New York State Technology Preparation Program awarded approximately \$ 120,000 annually.
- 4. Student-centered computerized activities for basic Technology courses.** National Science Foundation and Phi Theta Kappa Honor Society, 1994 \$6,000.
- 5. Director for Process Education component of Title V grant,** US Department of Education 2001, **(\$170,000).**
- 6. Science, Engineering, and Mathematics research Articulation Program award,** New York City Alliance, NSF. 1995. \$3,000.
- 7. Research Award, New York City Alliance, National Science Foundation.** 1993. \$2,000.

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

1. The Institute of Electrical and Electronic Engineers (IEEE), Senior Member, 1983-Present.
2. IEEE Communication Society, Senior Member, 1983-Present.
3. The American Society of Engineering Education, (ASEE), Member, 1992-Present.
4. New York State Engineering Technology Association, (NYSETA), Member, 1994-2007.
5. New York Academy of Sciences, 2000-Present
6. American Council on Higher Education, 1998-Present.
7. American Association of University Professor, 1999-present
8. New York State Engineering Technology Council, 1994-2005
9. American Council of College Administrators, 2000-2005.
10. Jordanian Engineering Association 2004-present.

## **MEMBERSHIP OF UNIVERSITY COMMITTEES**

1. Accreditation and Ranking Committee, 2021 - present
2. Graduate Studies Council 2021 -present
3. Academic review committee 2019-present.
4. Student Disciplinary Committee 2019-present.
5. Faculty of Engineering ABET Committee 2018-present.
6. Chair of the Departmental ABET Committee, 2017-present.
7. Faculty of Engineering Accreditation committee, 2017-present.
8. Chair of Departmental Scientific Research committee, 2018-present.
9. Jordan 2025, Education Sector Committee 2016-2017.
10. Faculty Hire and Promotion Committee 2006-present.
11. Dean's Council, 2009-2017.
12. University Hire and Promotion Committee, 2009- 2017.
13. Chair of University Committee on academic standing, 2009 – 2017.
14. University Rules and Regulations Committee, 2013-2017.
15. Chair of University Events Committee, 2009 – 2017.
16. Chair of Academic plans committee, 2013 – 2017.
17. Chair of Accreditation Committee 2013 – present.
18. Chair of Yearbook Committee 2009 – 2017.
19. Chair of Scholarship Committee, 2009 – 2017.
20. Chair of Conferences and workshops committee, 2013 – 2017.
21. General Safety Committee, 2009 – 2017, president.
22. Chair of Faculty Disciplinary Council 2009 –2016.
23. Chair of the measurement and evaluation center council, 2013-2016.
24. Chair of Student Disciplinary Committee 2009-2017, 2019-present.
25. Chair of the Center for the development of faculty members performance, 2013 – 2016.
26. Chair of the Center for studies, consultations, and community service, 2013 – 2016.
27. Chair of the committee for external academic partnerships and agreements, 2013 –2016.
28. Administrative committee of the Athletic Union of Jordanian Universities, 2009-2017.
29. Representative to the Arab Universities Union for exchange of training opportunities, 2009-2-17.
30. University Committee to combat N1H1 virus
31. Chair of the Student Council elections committee, 2009 – 2017.
32. ASU Journal editor's board.2005-present.
33. Faculty of Engineering Council, 2008-2009
34. Department Examination committee 2005 –present.
35. Department Hiring Committee 2005-present.
36. University Senate (CUNY) 1994-2005

37. College Curriculum Committee (CUNY) 1995-1997 and 1998-2004.
38. Committee on Academic Standing (CUNY) 1992-1994.
39. College Personal and Budget (P&B) committee (CUNY) 1994-2005.
40. P&B subcommittee for supplies and equipment (chair) 1998-2005.
41. P&B subcommittee on Reassigned time 2000-2005.
42. College Senate Executive committee 1998-2005.
43. College coordinating planning council, 2001-2005.
44. P&B subcommittee on equivalency, waivers, and tenure 1998-2005.
45. College Assessment Committee 2003-2005
46. Board of Directors, Bronx Community College (BCC) Inc.
47. Board of Directors BCC Child Development Center.
48. Executive Committee for the Middle States Self Study 1996-1997.
49. Enrollment Management Committee 2002-2005
50. University Committee for testing 1996-1998.
51. University Articulation committee 1998-2004.

## **ADVANCED TRAINING**

- Web Based Instructions: A one-day course Springfield Community College, August 2002
- Wireless Communications: two-day course by Hill Associates Inc. Albany NY January 2002.  
Broadband Internet: A two-day course on DSL, Cable Modems, and Wireless Internet. Springfield, MA, June 2000.
- Lotus Notes version four: One-day course on the use of Lotus Notes 4 telecommunications software. New York, NY.
- Telecom II, New and Emerging Technologies: A two days course on the new advances in data communications. By Hill Associates Inc., Marlborough, MA. August 1997.
- Understanding LAN and TCP/IP integration: A two days course on Local Area Networking Topologies concentrating on TCP/IP topology. By Telecommunications Research Associates (TRA), Troy NY. October 1997.
- Understanding SONT and other Broadband Technologies: A two days course on Synchronous Optical Network standards. Concentrating on the new specification to SONT protocol and examining how they relate to other protocols. By TRA, Troy NY, November 1997.
- Hands-on LAN/WAN: A three days course on constructing and maintaining local area networks (LANs) and Wide Area Networks (WANs). By Hill Associates Inc., Marlborough MA, December 1997.

## **PROFESSIONAL AND SCIENTIFIC MEETINGS**

Attended tens of scientific and professional meetings such as:

- IEEE ComSoc annual meetings 2015-present.
- IEEE annual meeting (Jordan section) 2010-present.
- ASEE annual conference 1994-2005,
- The Institute of Electrical and Electronic Engineers (IEEE) Globecom and Milcom almost annually,
- The Accreditation Board of Engineering and Technology annual meeting 1994, 1997, 1999, 2000, 2003, and 2005.
- Verizon Next Step Faculty institute 1997-2005.
- New York State Engineering Technology Council and New York State Engineering Technology Association (NYSETA) 1994-2005 (spring and fall meeting).

- IEEE MidAtlantic section meetings 1996-2004.
- New York Academy of Science meetings 2000, 2002, 2003, and 2004.
- New York and New Jersey chapter of IEEE numerous times.

## **PUBLICATIONS/PRESENTATIONS**

1. M. Bani Khaled, A. Qandil, N. Abdellatif, N. Beithou, Sameh Alsaqoor, Ali Alahmer, H. Ş. Aybare, Artur Andruszkiewicz, Heating and cooling device for motorhomes and caravans, *International Journal of Thermofluids*, Volume 15, August 2022, 100193
2. Abdelrahman Radwan, Nasser Abdellatif, Eyad Radwan, Maryam Akhozahieh, "Fitness Function X-means for prolonging Wireless Sensor Networks Lifetime", *International Journal of Electrical and Computer Engineering (IJECE)*, 2022
3. Maryam Akhozahieh, Osama Nashwan, and Nasser Abdellatif, Method for the analytical evaluation of convolution integral, *ARNP Journal of Engineering and Applied Sciences*, Vol. 16(No, 14), pp1552-1558, July 2021.
4. Abdellatif, N., Akho-Zahieh, M, Performance analysis of geometric codes, *ARNP Journal of Engineering and Applied Sciences*, Vol. 15(No, 12), pp. 1341-1345, 2020
5. Maryam Mahmoud AKHO-ZAHIEH, Nasser ABDELLATIF, Effect of Coding and Diversity on the Performance of Wavelet Packets Multicarrier Multicode CDMA System, *International Journal on Communications Antenna and Propagation*, Vol. 10, No. 1, 2020.
6. Maryam Mahmoud AKHO-ZAHIEH, Nasser ABDELLATIF, Performance Analysis of MIMO Wavelet Packet Multicarrier Multicode CDMA System with Antenna Selection, *Advances in Electrical and Electronic Engineering*, Vol. 17, No. 4, pp. 423-435, 2019.
7. Khalil Saleh, Nasser Abdellatif, Impact of Discovery Based Methodology on the Performance of Electrical Engineering Students, *European International Journal of Science and Technology*, Vol. 8 No. 6, pages 55-59, 2019.
8. Safwan Al-Qawabah, Adnan Zaid and Nasser Abdellatif, Utilization of Abrasive Water Jet for Cutting Parts of Intricate Shapes, *The Seventh International Conference on Advanced Materials Research (ICAMR 2017)*, Hong Kong, January 2017.
9. Adnan I O Zaid and Nasser Abdellatif, Utilization of Natural Resources in Jordan for Energy Storage, *International Journal Scientific and Engineering Research*, 7(5):1356-1360, May 2016.
10. Akho-Zahieh, M., and Abdellatif, N. (2016). Narrowband Interference Suppression in Wavelet Packet Multirate Multicarrier Multicode CDMA System. 15th International Conference on Circuits, Systems, Electronics, Control & Signal Processing. Istanbul, Turkey.
11. Maryam Akho-Zahieh and Nasser Abdellatif, Narrowband Interference Suppression in Wavelet Packet Multirate Multicarrier Multicode CDMA System, *International Journal of Communications*, Vol. 1 pp. 145-149, April 2016.
12. Maryam Akho-Zahieh and Nasser Abdellatif, Effect of Diversity and Filtering on the performance of Wavelet Packets Base Multicarrier Multicode CDMA System, *Journal of Signal and Information Processing* vol. 6, No. 02. Pp.165-179 May 2015.
13. Maryam Akho-Zahieh and Nasser Abdellatif, Narrow-band Interference Suppression in Wavelet Packet Multirate Multicarrier CDMA system, 2<sup>nd</sup> International Conference on Communication Technology (ICCT 2015), January 19-20, 2015, Melbourne, Australia.
14. Maryam Akho-Zahieh and Nasser Abdellatif, Performance analysis of wavelet packet multirate multicarrier multicode CDMA wireless multimedia communications, *International Journal of Electronics and Communications*, *International Journal of Electronics and Communications*, Vol. 68, No. 4, 2014, pp. 291-300.

15. Maryam Akho-Zahieh and Nasser Abdellatif, Narrow-band interference suppression in wavelet packets based multicarrier multicode CDMA overlay system, *Wireless Communications and Mobile Computing*, 2014, DOI: 10.1002/wcm.2325.
16. Maryam Akho-Zahieh and Nasser Abdellatif, Effect of jamming and diversity on the performance of a wavelet packet based multicarrier multicode CDMA communication system, *International Journal of Electronics and Communications*, Vol. 67, No. 2, 2013, pp. 157-166,
17. Maryam Akho-Zahieh, khalil Saleh and Nasser Abdellatif, Outage Probability Performance of Wavelet Packet Multirate Multicarrier Multicode CDMA System, *The Jordan Journal of Applied Science*, 2013, Vol. 11, No. 1.
18. Nasser Abdellatif and Maryam Akho-Zahieh, Effect of Narrowband Interference on the Performance of Wavelet Packets Based Multicarrier CDMA System With Decorrelating Multiuser Detector, *The Jordan Journal of Applied Science*, 2013, Vol. 11, No. 1.
19. Maryam Akho-Zahieh, khalil Saleh and Nasser Abdellatif, Performance of Wavelet Packets Based Multicarrier Multicode CDMA Communication System in the Presence of Narrowband Jamming, 1<sup>st</sup> International Conference on Communications, Signal Processing and their Applications, Sharjah, UAE, 2013 1<sup>st</sup> International Conference on Communications, Signal Processing and their Applications, Sharjah, UAE, Digital Object Identifier: 10.1109/ICCSPA.2013.6487223, IEEE Conference Publications, 2013.
20. Maryam Akho-Zahieh, Nasser Abdellatif, Narrow-band interference suppression in wavelet packets based multicarrier multicode CDMA overlay system, *Wireless Communications, and Mobile Computing*, Vol. 15, No. 2, 2012.
21. V Shnaydman, J. Malinsky, N. Abdellatif, Turbulent Coastal Dynamics, *American Geophysical Union meeting, Abstracta* 1,11, 2005.
22. A. Khalil, A. Hadjiantonis, N. Abdellatif, J. Moghaddasi, and M. A. Ali, Dynamic Routing of "Sub-Wavelength" Connections in IP/MPLS over WDM Networks. In the Proceedings of the International Conference on OPTICAL COMMUNICATION SYSTEMS AND NETWORKS (OCSN 2004). Banff, AB, Canada, July 2004.
23. A. Khalil, C. Assi, A. Hadjiantonis, G. Ellinas, N. Abdellatif, and M. A. Ali, Multicast Traffic Grooming in WDM Networks, *The Proceedings of The IEEE Canadian Conference on Electrical and Computer Engineering (CCECE)*, Niagara Falls, Ontario, Canada, May 2004.
24. A. Hadjiantonis, A. Khalil, G. Ellinas, N. Abdellatif, J. Moghaddasi, and M. A. Ali, A Hybrid Approach for Provisioning Sub-Wavelength Requests in IP-over-WDM Networks, *The Proceedings of The IEEE Canadian Conference on Electrical and Computer Engineering (CCECE)*. Niagara Falls, Ontario, Canada, May 2004, 2293-2296.
25. A. Hadjiantonis, A. Khalil, N. Abdellatif, J. Moghaddasi, and M. A. Ali, Interchanging the Search Space Between the Logical and Physical Layers in Future IP Optical Networks, *The Proceedings of The International Conference on Communication, Network, and Information Security (CNIS)*. Uniondale, New York, December 10-12, 2003.
26. Andrew Akinmoladun, Akhil Lal, Nasser Abdellatif, Bertrand Grossman, Neil Philip, *Wireless Laptop Computers in the Classroom and How They Revolutionize Teaching Methods*, World Conference on E-learning in Corporate, Government, Healthcare, and Higher Education. Washington, DC. Nov. 1-5, 2004.
27. Andrew Akinmoladun, Luis Montenegro, Nasser Abdellatif, Akhil Lal, *Creating a New Culture of Teaching and Learning Using Multi-Media and Technology to Enhance Learning in Science and Engineering*, 14<sup>th</sup> International Conference Society for Information

- Technology and Teacher Education. ISBN: 1-880094-47-9 pg., 3315-3319 Published March 2003.
28. Andrew Akinmoladun, Nasser Abdellatif, Luis Montenegro, Akhil Lal, Caroline Lillo, Student Recruitment and Retention Through College Academic Collaboration Between Middle School and High School, World Conference on E-Learning in Corporate & Higher Education. Phoenix Arizona, Pages 1027 -1032. Nov. 2003.
  29. Andrew Akinmoladun, Luis Montenegro, Nasser Abdellatif, Multimedia, and Technology Usage in Science and Engineering. The 13<sup>th</sup> American Society for Engineering Education Mid-Atlantic Conference, Kean University, NJ. April 2003.
  30. J. Malinsky, N. Abdellatif, A. Morozovskiy, Effective properties for systems with distributed resistance in continuous space, Physical Review, November 1997, pp. 11611-11618.
  31. Nasser Abdellatif, Andrew Akinmoladun, Luis Montenegro, Carolyn Lillo, Student Recruitment and Retention through College Academic Collaboration between Middle School and High School. Presented at the New Jersey Center for Advance Technology Education Conference. May 2003.
  32. J. Malinsky, VP. Akulov, N. Abdellatif, A Pashnev, The Spinning Particles as a Nonlinear Realization of the Superworldline Reparametrization Invariance, Physical Review D volume 67, issue 2, 2003
  33. J. Malinsky, N. Abdellatif and V. S. Boyko, Thickness of Nonsuperconducting Layer at the Interfaces in Y Ba Cu O, Physical Review letters 2001.
  34. V. S. Boyko, J. Malinsky, N. Abdellatif and V. V. Boyko, The Estimation of the Thickness of Nonsuperconducting Layer in  $YBa_2Cu_3O_{7-\delta}$ , Physical Letters A 244(6), 1998,561-564.
  35. J. Malinsky, N. Abdellatif, The Influence on End Perturbations of the Bridge on Long Range Electron Transfer in Donor-Molecular Chain-Acceptor Systems, 20th International Conference on Statistical Mechanics, Paris July 1998.
  36. M. Saleh, N. Abdellatif and S. Saddawi, Simulation Analysis of an ATM Access-Node Multiplexer with Rate-Based Access Control and Bandwidth Assignment, International Conference on Electronics, Circuits, and Systems, ICECS '95, December 1995, IEEE.
  37. N. Abdellatif, S. Saddawi, Y. Abdellatif, Experiments in Digital Electronics Pacific Crest, Corvallis OR, 1995.
  38. L. Milstein, D. Schilling, R Pickoltz, N. Abdellatif, Cell Design for Broadband Spread Spectrum Code Division Multiple Access Personal Communications Networks, International Conference on Communications 1992, IEEE
  39. D. Schilling, N. Abdellatif, Convolutional Projection Codes, MILCOM April 1991, IEEE.

## PRESENTATIONS

- “Academic Leadership and Management of Human Resources”, August 2019, Jordanian Alumni of North American Universities (JANA) fifth annual Forum.
- “Preparing for ABET visit,” October 2018.
- “Writing Course and Program Intended Learning Outcomes,” ASU, 2013-2017.
- “Course Syllabi Preparation”, ASU, 2018, 2019.
- “Issues and Strategies for Faculty Development” Al Tafeela Technical University, Jordan December 2014.
- “Factor of developing university curricula in accordance with the global changes: A study case of Applied Sciences University “ISESCO and FUIW Sub-regional workshop on developing university curricula, Tunisia November 2014.

- “Partnerships between Universities and NGO’s” IAAN 2013, Washington DC, USA.
- “Use of Technology and especially social media by NGO’s” IAAN 2013, Washington DC, USA.
- “Activity Based Electronics” Verizon faculty institute in October 2006.
- “Voice over IP” Verizon Faculty institute in October 2006.
- “Moving from International Partnerships to Campus-wide Engagement” C. Williams. M. Keiz, N. Abdellatif. American Association of Community Colleges AACC Boston, MA 2005.
- “Developing an Effective Institutional plan,” C. Williams, N. Ritze, N. Abdellatif. American Association of Community Colleges AACC Nashville, TN 2003.
- “Building Collaborations with High school systems” Tech. Prep. Conference, November 2004.
- “Integrating skills in basic Engineering curricula” Petermorisburg, South Africa, October 2003.
- “Integrating Technology in engineering curricula” Petermorisburg, South Africa, October 2003.
- “Developing course assessment plans” Petermorisburg, South Africa, October 2003.
- “Research in Technology Education” Tech. Prep. Conference Saratoga Springs, September 2003.
- “Integrated Skills Reinforcement” Verizon Next Step Faculty Institute, June 2003.
- “Activity Based Circuit Analysis” Verizon Next Step Faculty Institute, June 2001.
- “Developing Discovery Based classroom activities” Verizon Next Step Faculty Institute, June 2000.
- “Writing Course Objectives” STEP conference Albany, NY, June 2002.
- “Building an effective team” CSTEP conference, Albany NY June 2001.

## **WORKSHOPS**

- “Developing course syllabus” ASU Amman, Jordan 2012 and 2013.
- “Writing Course learning outcomes,” ASU Amman, Jordan 2012.
- “Writing and managing online exams using BlackBoard” Bronx New York, January 2007, 18 participants.
- “Developing a Program assessment plan,” Bronx NY, October 2006, 12 participants.
- “Managing Institutional Change” October 26-28, 2003 Petermorisburg South Africa, 80 participants.
- “Integrating reading and writing in engineering curriculum” Verizon Next Step Faculty Institute. June 2004, 32 participants.
- “Use of the Web to enhance in class learning” Verizon Faculty institute 2001 23 participants.
- “Process Education (Skills across the curriculum)” January 16-18, 2000, 35 faculty participants.
- “Process Education (Skills across the curriculum)” January 16-18, 2001, 40 participants.
- “Designing student centered activities” Verizon Next Step, June 1999, 34 participants.