

Total: ~170 Post-graduate HQP + 24 undergraduate HQP (+ 52 undergraduate capstone project student)

CURRENT RESEARCH TEAM MEMBERS (22)

Graduate Students (10 PhD + 4 MASc)

10. Amin Farajzadeh	[Scholar] [LinkedIn]	PhD [Sep 2019 –]
9. Hongzhao Zheng	[Scholar] [LinkedIn]	PhD [2020 –] (cos: Prof. M. Atia)
8. Mohamad Alkadamani	[Scholar] [LinkedIn]	PhD [2020 –]
7. Afsoon Alidadi	[Scholar] [LinkedIn]	PhD [2021 –]
6. Yin Lee	[Scholar] [LinkedIn]	PhD [2021 –] (cosup: Prof. G. Karabulut Kurt)
5. Zichao Zhang	[Scholar] [LinkedIn]	PhD [2021 –]
4. Dhiraj Bhattacharjee	[Scholar] [LinkedIn]	PhD [2021 –]
3. Maryam Salamat Moghadasi	[Scholar] [LinkedIn]	PhD [2021 –]
2. Jintao Liang	[Scholar] [LinkedIn]	PhD [Sep 2023 –]
1. Ethan Fettes	[Scholar] [LinkedIn]	PhD [Jan 2025 –]
4. Ryan Dempsey	[Scholar] [LinkedIn]	MASc [Sep 2023 –]
3. Prianna Rahman	[Scholar] [LinkedIn]	MASc [Sep 2024 –] (cosup: Prof. C.-H. Lung)
2. Marcel LeClair	[Scholar] [LinkedIn]	MASc [Sep 2024 –]
1. Chu Qi (David) Liu	[Scholar] [LinkedIn]	MASc [Jan 2025 –]

PDFs & Research Associates (05)

5 Dr. Omid Abbasi ETS PDF PDF	[Scholar] [LinkedIn] [01 Apr 2023 – 31 Mar 2025] (cosup: Prof. Georges Kaddoum) [01 Oct 2020 – 31 Mar 2023]
4 Dr. Pablo Madoery Mitacs PDF and OSC Project Manager [20 Feb 2022 – 30 Nov 2025]	[Scholar] [LinkedIn] (cosup: Prof. G. Karabulut Kurt)
3 Dr. Wafa Hasanain Mitacs PDF	[Scholar] [LinkedIn] [01 Sep 2023 – 31 Aug 2025] (cosup: Prof. G. Karabulut Kurt)
2 Dr. Mohammed Mahyoub Mitacs PDF	[Scholar] [LinkedIn] [01 Sep 2024 – 30 Nov 2025] (cosup: Prof. Sami Muhaidat) [01 Sep 2023 – 30 Aug 2024] (cosup: Prof. G. Karabulut Kurt)

- 1 Rozita Shafie [Scholar] [[LinkedIn](#)]
Research Associate [01 Jan 2025 –]

Visiting Professors, PDFs, and Scientists (00)

Visiting Students (02)

- 2 Elham Younesian [Scholar] [[LinkedIn](#)] Brno University of Technology, Czechia
Visiting PhD student [01 Mar 2024 – 28 Feb 2026]
- 1 Silvio Ribeiro [Scholar] [[LinkedIn](#)] Universidade Estadual de Campinas, Brazil
[01 Feb 2025 – 01 Aug 2025]

Undergraduate Interns (00)

Hardware Advisor (01)

- 1 Dr. Muhammed Abuibaid [Scholar] [[LinkedIn](#)]
[01 Feb 2024 –]

Incoming (08)

- Paulo Diniz (visiting professor) [[LinkedIn](#)]
- Sixi Cheng (Sep 2025 | PhD?) [Scholar] [[LinkedIn](#)]
- Sumeyye Bas (Sep 2025 | MASc/PhD?) [[LinkedIn](#)]
- Bahare Jafari (Sep 2025 | PhD?)
- Yakubu Bunyaminu (Sep 2025 | PhD?) [[LinkedIn](#)]
- Thouhidur Rahman (Sep 2025 | PhD?) [[LinkedIn](#)]
- Ilyes Outaleb (Sep 2025 | MASc?) [[LinkedIn](#)]

FORMER RESEARCH TEAM MEMBERS

Former PDFs & Research Associates (28)

28. Dr. Mohamed Alouzi
Mitacs PDF
[01 Jan – 22 Sep 2024] (cosup: [Prof. G. Karabulut Kurt](#))
27. Dr. Khaled Humadi
Mitacs PDF
Research Associate
[01 Mar 2023 – 31 May 2023] (cosup: [Prof. G. Karabulut Kurt](#))
[01 Nov 2022 – 28 Feb 2023]
26. Dr. Mohanad Obeed
Mitacs PDF
Research Associate
[01 Apr 2023 – 31 May 2023] (cosup: [Prof. G. Karabulut Kurt](#))
[01 Nov 2022 – 31 Mar 2023]
25. Dr. Aizaz U. Chaudhry
Senior Research Associate
[01 May 2020 – 28 Feb 2023]
24. Dr. Cihan Emre Kement
PDF
Current Employment: Aselsan, Ankara, Türkiye
[27 Mar 2022 – 30 Sep 2022]
23. Dr. Animesh Yadav
PDF
Current Employment: Assistant Professor, Department of Electrical and Computer Engineering and Technology, Minnesota State University, Mankato, MN, USA
[Oct 2020 – 31 Aug 2022]
22. Dr. Wael Jaafar
NSERC PDF
Current Employment: Assistant Professor, ETS, Montreal, Canada
[01 Dec 2018 – 31 Aug 2022]
21. Dr. Mohammed Younis Abdelsadek
Mitacs PDF
PDF
Current Employment: Dell, Ottawa, Canada
[Sep 2021 – 14 Aug 2022] (cosupervisor: [Prof. G. Karabulut Kurt](#))
[Jun 2020 – Aug 2021] (cosupervisor: [Prof. G. Karabulut Kurt](#))
20. Dr. Tasneem Darwish
Mitacs PDF
Research Associate
Current Employment: Assistant Professor, Computer Science, St. Francis Xavier University, Nova Scotia, Canada
[Apr 2020 – 30 Jun 2022] (cosupervisor: [Prof. G. Karabulut Kurt](#))
[Sep 2019 – Mar 2020] (cosupervisor: [Prof. G. Karabulut Kurt](#))
19. Dr. Md. Sahabul Alam
NRQNT PDF
Current Employment: Assistant Professor, Electrical and Computer Engineering, California State University Northridge (CSUN), USA
[Aug 2019 – Jul 2021]
18. Dr. Jean-Daniel De Medjo Biomo
PDF
Current Employment: Assistant Teaching Professor, Electrical Engineering and Computer Science, Syracuse University, USA
[May 2020 – Jun 2021] (cosupervisor: [Prof. G. Karabulut Kurt](#))

17. Dr. Ahmed Ibrahim [Scholar] [[LinkedIn](#)]
 PDF [Jan 2020 – Jan 2021]
 Current Employment: Cloud RAN Systems Developer, Ericsson, Ottawa, Canada
16. Dr. Mohammad G. Khoshkholgh [Scholar] [[LinkedIn](#)]
 PDF & Huawei Project Manager [Apr 2020 – Jan 2021]
 Current Employment: Principal Scientist/Researcher – 5G New Radio, Ofinno, Vancouver, Canada
15. Dr. Elham Kalantari [Scholar] [[LinkedIn](#)]
 Research Associate [Mar – May 2020]
 Current Employment: Radio Systems and Technology Developer, Ericsson, Ottawa, Canada
14. Dr. Sahar Molla Aghajanzadeh [Scholar] [[LinkedIn](#)]
 Research Associate [Nov 2018 – Jul 2019]
 Current Employment: Microwave Algorithm Engineer, Huawei, Ottawa, Canada
13. Dr. Jalal Khamse-Ashari [Scholar] [[LinkedIn](#)]
 Research Associate [Jan – May 2019]
 Current Employment: NR Baseband System Developer, Ericsson, Ottawa, Canada
12. Dr. Sebastian Szyszkowicz [Scholar] [[LinkedIn](#)]
 PDF & Telus Project Manager [Jan 2015 – Apr 2017]
11. Dr. Amr El-Keyi [Scholar] [[LinkedIn](#)]
 PDF [Sep 2015 – Jun 2017]
 Current Employment: 5G System and Software Developer, Ericsson, Ottawa, Canada
10. Dr. Ebrahim Bedeer Mohamed [Scholar] [[LinkedIn](#)]
 Mitacs PDF [Sep 2015 – May 2017] (cosupervisor: [Prof. M.H. Ahmed](#), MUN)
 Current Employment: Assistant Professor, Electrical and Computer Engineering, U. Saskatchewan, Canada
9. Dr. Hamid Saber [Scholar] [[LinkedIn](#)]
 Mitacs PDF [Sep – Nov 2016] (cosupervisor: Prof. I. Marsland)
 Current Employment: Staff Systems Engineer, Samsung Electronics, San Diego, USA
8. Dr. Ramy Gohary [Scholar] [[LinkedIn](#)]
 Senior Research Associate & RIM Project Manager [April 2010 – August 2014]
 Senior Research Associate & Huawei Project Manager [September 2014 – October 2016]
 Current Employment: Associate Professor, Systems and Computer Engineering, Carleton University
7. Dr. Muhammad Zeeshan Shakir [Scholar] [[LinkedIn](#)]
 PDF [Sep 2015 – Aug 2016]
 Current Employment: Reader (Associate Professor), School of Computing, Engineering and Physical Sciences, University of the West of Scotland, UK
6. Dr. Rainer Schoenen [Scholar] [[LinkedIn](#)]
 Senior Research Associate & Huawei Project Manager [Jan 2011 – Aug 2014]
 Current Employment: Professor, Hamburg University of Applied Sciences, Hamburg, Germany
5. Dr. Petar Djukic [Scholar] [[LinkedIn](#)]

Senior Research Associate & Huawei Project Manager [Nov 2008 – Apr 2010]
 Current Employment: Principal Network Architect, Nokia Bell Labs, Ottawa, Canada

4. Dr. Abdulkareem Adinoyi [\[Scholar\]](#) [\[LinkedIn\]](#)
 Senior Research Associate [May – Dec 2006]
 Senior Research Associate & Samsung Project Manager [Sep 2007 – Aug 2009]
 Current Employment: Senior Consultant, Saudi Telecom Company, Riyadh, Saudi Arabia
3. Dr. Keivan Navaie [\[Scholar\]](#) [\[LinkedIn\]](#)
 Senior Research Associate & EU FP6 WINNER Project Manager [Dec 2004 – Oct 2006]
 Current Employment: Senior Lecturer, School of Computing & Communications, Lancaster University, UK
2. Dr. Mohamed Hossam Ahmed [\[Scholar\]](#) [\[LinkedIn\]](#)
 Senior Research Associate & NCIT Project Manager [April 2001 - March 2003] (cosupervisor: Prof. S. Mahmoud)
 Visiting Professor [Aug 2005]
 Current Employment: LTA Professor, Electrical Engineering and Computer Science, University of Ottawa, Canada (Former Professor, Memorial University of Newfoundland, St. John's, Canada)
1. Dr. Eman Fituri [\[Scholar\]](#) [\[LinkedIn\]](#)
 Senior Research Associate [Feb – Jun 2006]
 Current Employment: Director of Educational Initiatives, Qatar Computing Research Institute, Qatar

Former Visiting PDFs and Scientists (07)

7. Dr. Lina Bariah [\[Scholar\]](#) [\[LinkedIn\]](#) Visiting PDF [Jul – Aug 2019]
 Home Institution: Khalifa University, Abu Dhabi, UAE
 Current Employment: Technology Innovation Institute (TII), Abu Dhabi, UAE
6. Dr. Eylem Erdogan [\[Scholar\]](#) [\[LinkedIn\]](#) TUBITAK PDF [Apr – Jul 2016]
 Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
 Current Employment: Associate Professor, Istanbul Medeniyet University, Türkiye
5. Dr. Sergey Andreev [\[Scholar\]](#) [\[LinkedIn\]](#) Visiting PDF [May – Jun 2015]
 Home Institution: Tampere University of Technology, Finland
 Current Employment: Associate Professor, Tampere University, Finland
4. Dr. Khalil Al Sobhi [\[Scholar\]](#) [\[LinkedIn\]](#) Visiting Scientist [Jul – Oct 2014]
 Home Institution: King Abdulaziz City of Science and Technology, Riyadh, Saudi Arabia
 Current Employment: Senior Manager at NEOM, Tabuk, Saudi Arabia
3. Dr. Daniel Calabuig [\[Scholar\]](#) [\[LinkedIn\]](#) Marie Curie PDF [Sep 2010 – Aug 2012]
 Home Institution: Universidad Politécnica de Valencia (UPV), Valencia, Spain
 Current Employment: PDF, Universidad Politécnica de Valencia (UPV), Valencia, Spain
2. Dr. Gurhan Bulu [\[Scholar\]](#) [\[LinkedIn\]](#) TUBITAK PDF [Feb – Nov 2011]
 Home Institution: Hacettepe University, Ankara, Türkiye
 Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
 Current Employment: Research Associate, Electrical and Electronics Engineering, Hacettepe University, Ankara, Türkiye

1. Dr. Rainer Schoenen [\[Scholar\]](#) [\[LinkedIn\]](#) Visiting PDF [Jan – Dec 2010]
Home Institution: ComNets, Aachen University, Germany
Current Employment: Professor, Hamburg University of Applied Sciences, Hamburg, Germany

Former Visiting Professors (19)

19. Prof. Metin Ozturk [\[Scholar\]](#) [\[LinkedIn\]](#) [17 October 2023 – 16 October 2024]
Ankara Yıldırım Beyazıt University, Türkiye
Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
18. Dr. Paula Diniz [\[Scholar\]](#) [\[LinkedIn\]](#) [01 July – 31 August 2023]
[01–20 August 2024]
Federal University of Rio de Janeiro, Brazil
17. Dr. Yasser Gadallah [\[Scholar\]](#) [\[LinkedIn\]](#) [01 – 31 July 2023]
The American University in Cairo, Egypt
16. Dr. Ferdi Kara [\[Scholar\]](#) [\[LinkedIn\]](#)
Zonguldak Bulent Ecevit University, Türkiye
Visiting PDF/Professor [10 Jun 2022 – 31 May 2023]
Virtual Visiting PDF [01 Feb 2021 – 09 Jun 2022]
Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
15. Dr. Gunes Karabulut Kurt [\[Scholar\]](#) [\[LinkedIn\]](#) [Sep 2019 – Aug 2020]
Istanbul Technical University, Türkiye
Current Employment: Electrical Engineering, Polytechnique Montréal, Montreal, Canada
14. Dr. Zhaleh (Jale) Sadreddini [\[Scholar\]](#) [\[LinkedIn\]](#) [Jul – Aug 2019]
Istanbul Arel University, Türkiye
Current Employment: Ericsson, Ottawa
13. Dr. Eylem Erdogan [\[Scholar\]](#) [\[LinkedIn\]](#) [Jul 2019]
Istanbul Medeniyet University, Türkiye
Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
12. Dr. Sami Muhaidat [\[Scholar\]](#) [\[LinkedIn\]](#) [Jul 2019]
Khalifa University, Abu Dhabi, UAE
11. Dr. Lina Mroueh [\[Scholar\]](#) [\[LinkedIn\]](#) [Jul – Sep 2018]
Ecole d'Ingenieurs du Numerique (ISEP), Paris, France
10. Dr. Ozgur Ercetin [\[Scholar\]](#) [\[LinkedIn\]](#) [Sep 2017 – Jul 2018]
Sabanci University, Istanbul, Türkiye
9. Dr. Amir Hossein Mohajerzadeh [\[Scholar\]](#) [\[LinkedIn\]](#) [Aug 2017]
Ferdowsi University of Mashhad, Mashhad, Iran
8. Dr. Taimour Aldalgamouni [\[Scholar\]](#) [\[LinkedIn\]](#) [Aug 2016 – Jul 2017]
Jordan University of Science and Technology, Irbid, Jordan

7. Dr. Amir Hossein Mohajerzadeh [[Scholar](#)] [[LinkedIn](#)] [Aug 2016]
Ferdowsi University of Mashhad, Mashhad, Iran
6. Dr. Yasser Gadallah [[Scholar](#)] [[LinkedIn](#)] [Jul – Aug 2016]
American University of Cairo, Cairo, Egypt
5. Dr. Pawel A. Dmochowski [[Scholar](#)] [[LinkedIn](#)] [Sep 2014 – Jan 2015]
Victoria University of Wellington, Wellington, New Zealand
4. Dr. Ibrahim Abualhaol [[Scholar](#)] [[LinkedIn](#)] [Jun – Aug 2013]
Khalifa University, Sharjah, UAE
Current: Principal Data Scientist, Huawei, Ottawa, Canada
3. Dr. Mumtaz Yilmaz [[Scholar](#)] [[LinkedIn](#)] [Dec 2012 – Jun 2013]
Adnan Menderes University, Aydin, Türkiye
Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
2. Dr. John Thompson [[Scholar](#)] [[LinkedIn](#)] [Jul – Oct 2006]
University of Edinburgh, UK
1. Dr. Mohamed Adnan Landolsi [[Scholar](#)] [[LinkedIn](#)] [Summer 2002] (cosupervisor: Dr. B. Hashem)
King Fahd University of Petroleum and Minerals, Saudi Arabia
Current Employment: Kuwait University, Kuwait

Former Visiting Graduate Students (36)

- Rozita Shafie [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD student [04 Jan 2023 – 31 Dec 2024]
Home Institution: Isfahan University of Technology, Iran
- Benoit Coeugnet [[Scholar](#)] [[LinkedIn](#)]
Visiting student [30 Apr 2024 – 26 Aug 2024]
Home Institution: INSA Lyon, France
- Bilal Karaman [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD student [11 Oct 2023 – 18 Aug 2024]
Home Institution: Manisa Celal Bayar University, Türkiye
Sponsor: Study in Canada Scholarship (Government of Canada)
- Faical Khennoufa [[Scholar](#)] [[LinkedIn](#)]
Visiting PhD student [07 Sep 2023 – 31 May 2024]
Home Institution: El-Oued University, Algeria
Sponsor: Study in Canada Scholarship (Government of Canada)
- Melih Ince [[Scholar](#)] [[LinkedIn](#)]
Visiting Master's student [11 Oct 2023 – 10 April 2024]
Home Institution: Konya Technical University, Türkiye
Sponsor: Study in Canada Scholarship (Government of Canada)

- Amir Mehrabian
Visiting PhD student
Home Institution: University of Tehran, Iran
[[Scholar](#)] [[LinkedIn](#)]
[07 Feb 2023 – 06 Feb 2024]
- Elham Younesian
Visiting PhD student
Home Institution: Brno University of Technology, Czechia
Sponsor: Brno University of Technology, Czechia
[[Scholar](#)] [[LinkedIn](#)]
[10 Jul – 24 Aug 2023]
- Youssra Cheriguene
Visiting PhD student
Home Institution: Université Amar Telidji de Laghouat, Algeria
Sponsor: Study in Canada Scholarship (Government of Canada)
[[Scholar](#)] [[LinkedIn](#)]
[08 Oct 2022 – 01 Apr 2023] (cosup: [Prof. W. Jaafar](#))
- Adem Cicek
Visiting PhD student
Home Institution: Ankara Yildirim Beyazit University, Türkiye (sup: [Prof. Enver Cavus](#))
Sponsor: The Scientific and Technological Research Council of Türkiye (TÜBİTAK)
[[Scholar](#)] [[LinkedIn](#)]
[24 Feb 2022 – 01 Feb 2023] (cosup: [Prof. I. Marsland](#))
- Weili Wang
Visiting PhD student
Home Institution: Chongqing U. of Posts & Telecommunications, China (sup: [Prof. Qianbin Chen](#))
Sponsor: China Scholarship Council (CSC)
[[Scholar](#)] [[LinkedIn](#)]
[21 Jan 2022 – 01 Feb 2023]
- Sarosh Ahmad
Visiting Master's student
Sponsor: Mitacs Globalink
[[Scholar](#)] [[LinkedIn](#)]
[20 Jun – 20 Sep 2022]
- QiQi Ren
Visiting PhD student
Home Institution: Xidian University, Xi'an, China (supervisor: [Prof. Jian Chen](#))
Sponsor: China Scholarship Council (CSC)
Current Employment: Huawei Technologies, China
[[Scholar](#)] [[LinkedIn](#)]
[Oct 2019 – Sep 2021]
- Omid Abbasi
Visiting PhD student
Home Institution: Sahand U. of Technology, Tabriz, Iran (supervisor: [Prof. Afshin Ebrahimi](#))
Current Employment: PDF, Systems and Computer Engineering, Carleton University, Canada
[[Scholar](#)] [[LinkedIn](#)]
[Feb 2019 – Sep 2020]
- Yassine Hmamouche
Visiting PhD student
Home Institution: IMT-Atlantique, France (supervisor: [Prof. Samir Saoudi](#))
Current Employment: Senior Product Engineer - Channel Modeling, Siradel, Rennes, Brittany, France
[[Scholar](#)] [[LinkedIn](#)]
[Aug – Nov 2019]
- Hossein Vaezy
Visiting PhD student
Home Institution: Isfahan U. of Technology, Iran (supervisor: [Prof. Mohammad Javad Omid](#))
Current Employment: Senior Analog & Mixed-Signal Circuit Design Eng, Synopsys, Toronto, Canada
[[Scholar](#)] [[LinkedIn](#)]
[Feb 2018 – Jun 2019]

- Amin Farajzadeh
Visiting MASc Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Dec 2017 – Jan 2019]
Sabanci University, Istanbul, Türkiye (supervisor: [Prof. Ozgur Ercetin](#))
PhD student, Systems and Computer Engineering, Carleton University, Canada
- Mehdi S. H. Abad
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Jul – Sep 2018]
Sabanci University, Istanbul, Türkiye (supervisor: [Prof. Ozgur Ercetin](#))
Ericsson, Ankara, Türkiye
- Salime Bameri
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Feb 2016 – Aug 2017] (cosupervisor: [Prof. Ramy Gohary](#))
Shahid Bahonar U. of Kerman, Iran (supervisor: [Professor Siamak Talebi](#))
Postdoctoral Fellow, Systems and Computer Engineering, Carleton University
- Margarita Gapeyenko
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Jul – Sep 2016] (cosupervisor: [Dr. Sebastian Szyszkowicz](#))
Tampere University of Technology, Finland (supervisor: [Dr. Sergey Andreev](#))
Nokia Bell Labs, Senior Standardization Specialist, Espoo, Finland
- Omer Haliloglu
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Apr – Aug 2015]
Hacettepe University, Ankara, Türkiye (supervisor: [Prof. Cenk Toker](#))
Ericsson, Istanbul, Türkiye
- Olga Galinina
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[May – Jun 2015]
Tampere U. of Technology, Finland (supervisor: [Prof. Yevgeni Koucheryavy](#))
PDF, Tampere University, Tampere, Finland
- Jing Guo
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Jan – Apr 2015]
Australian National U, Canberra, Australia (supervisor: [Prof. Salman Durrani](#))
Associate Professor, School of Information and Electronics, Beijing Institute of Technology, China
- Ibrahim Aydin
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Oct 2013 – Sep 2014]
Istanbul Technical University, Istanbul, Turkey (supervisor: [Prof. Umit Aygolu](#))
Software Developer, Cuboh, Istanbul, Turkey
- Zakaria El-Moutaouakkil
Visiting PhD Student
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Jul 2013 – Jun 2014]
Telecom Bretagne, France (supervisor: [Prof. Samir Saoudi](#))
Project Engineer, Sicotel Engineering Management, Casablanca, Morocco
- Baris Yuksekkaya
Visiting PhD Student (TUBITAK)
Home Institution:
Current Employment:

[\[Scholar\]](#) [\[LinkedIn\]](#)
[Sep 2013 – Mar 2014]
Hacettepe University, Ankara, Turkey (supervisor: [Prof. Cenk Toker](#))
Assistant Professor, Hacettepe University, Turkey

- Oumar Alassane Barro [Scholar] [[LinkedIn](#)]
 Visiting Master's Student [Mar – Sep 2013]
 Home Institution: Universite de Rennes 1, Rennes Cedex, France
 Current Employment: RF Engineer, RFS - Radio Frequency Systems, Lannion, Brittany, France
- David González G [Scholar] [[LinkedIn](#)]
 Visiting PhD Student [Mar – Jun 2013]
 Home Institution: Universitat Politecnica de Catalunya, Barcelona, Spain
 (supervisor: [Prof. Mario Garcia-Lozano](#))
 Current Employment: Wireless Communication Researcher, Continental Automotive AG, Germany
- Davut Incebacak [Scholar] [[LinkedIn](#)]
 Visiting PhD Student [Dec 2012 – Jun 2013]
 Home Institution: Middle East Technical University, Ankara, Turkey
- Jorge Cabrejas Peñuelas [Scholar] [[LinkedIn](#)]
 Visiting PhD Student [Jul – Oct 2012]
 Home Institution: Universidad Politecnica de Valencia, Valencia, Spain
 (supervisor: [Prof. Jose F. Monserrat](#))
 Current Employment: Data Scientist & Big Data Engineer, Idrica, Valencia, Spain
- Tariq Alshawi [Scholar] [[LinkedIn](#)]
 Visiting Master's Student [Nov 2010]
 Home Institution: King Saud University, Riyadh, Saudi Arabia (supervisor: [Prof. Saleh Alshebeili](#))
 Current Employment: Assistant Professor, King Saud University, Riyadh, Saudi Arabia
- Imran Shafique Ansari [Scholar] [[LinkedIn](#)]
 Visiting Master's Student [Jun – Aug 2010]
 Home Institution: King Abdullah University for Science and Technology ([KAUST](#)), Saudi Arabia
 (supervisor: [Prof. Mohamed-Slim Alouini](#))
 Current Employment: Lecturer (Assistant Professor), University of Glasgow, UK
- Houda Chafnaji [Scholar] [[LinkedIn](#)]
 Visiting PhD Student [Aug 2008], [Jul 2009]
 Home Institution: IMT Atlantique, France (supervisor: [Prof. Samir Saoudi](#))
 Current Employment: Associate Professor, INPT, Rabat, Morocco
- Stefan Valentin [Scholar] [[LinkedIn](#)]
 Visiting PhD Student [Oct 2008]
 Home Institution: University of Paderborn, Germany (supervisor: [Prof. Holger Karl](#))
 Current Employment: Professor, Darmstadt University of Applied Sciences, Germany
- Jung-Min Park [Scholar] [[LinkedIn](#)]
 Visiting Ph.D. Student [Feb 2008]
 Home Institution: School of Electrical and Electronics Engineering, Yonsei University, Korea
 (supervisor: [Prof. Seong-Lyun Kim](#))
- Basak Can [Scholar] [[LinkedIn](#)]
 Visiting Ph.D. Student [Jan – May, 2007], [Nov 2007]

Home Institution: Department of Electronic Systems, Aalborg University, Denmark
 (supervisors: [Prof. Hiroyuki Yomo](#), [Prof. Elisabeth De Carvalho](#), [Prof. Ramjee Prasad](#))
 Current Employment: Senior Wireless Systems Engineer, Amazon Lab126 | Wireless Technology Group, Sunnyvale, CA, USA

- Yijia (Richard) Fan [Scholar] [[LinkedIn](#)]
 Visiting Ph.D. Student [Summer 2005], [Fall 2006]
 Home Institution: University of Edinburgh, UK (supervisor: [Prof. John S. Thompson](#))
 Current Employment: Founder & Managing Partner, iOne Capital Management, New York, USA

Former Undergraduate Interns and Research Assistants (24)

24. Ahmed Abdelaziz [Scholar] [[LinkedIn](#)] Carleton University
 [15 Jan – 31 Dec 2024]
23. Gorkem Berkay Koc [[Scholar](#)] [[LinkedIn](#)] Ankara Yildirim Beyazit University, Turkey
 U/graduate research intern [25 Jan – 25 May 2023]
 Sponsor: Study in Canada Scholarship (Global Affairs Canada)
22. Berk Ciloglu [[Scholar](#)] [[LinkedIn](#)] Ankara Yildirim Beyazit University, Turkey
 U/graduate research intern [25 Jan – 25 May 2023]
 Sponsor: Study in Canada Scholarship (Global Affairs Canada)
21. Ravi Teja [Scholar] [[LinkedIn](#)] Vel Tech University, India
 U/graduate research intern [27 Jul – 21 Oct 2022]
 Sponsor: Mitacs Globalink
20. Deepali Kumari [Scholar] [[LinkedIn](#)] Birsa Institute of Technology, Sindri, India
 U/graduate research intern [May – Jul 2021] (virtual)
 Sponsor: Mitacs Globalink
19. Chu Dong [Scholar] [[LinkedIn](#)] University of Electronic Science and Technology of
 China (UESTC), Chengdu, China
 U/graduate research intern [Jul – Sep 2021] (virtual)
 Sponsor: Mitacs Globalink
18. Joe El Dik [Scholar] [[LinkedIn](#)]
 Undergraduate Summer Intern [Jun – Aug 2021]
 Communications Engineering, Carleton University, Ottawa, Canada
17. Mohieddin Shakhsher [Scholar] [[LinkedIn](#)]
 I-CUREUS Summer Intern [May – Aug 2021]
 Communications Engineering, Carleton University, Ottawa, Canada
16. Berkay Deniz [Scholar] [[LinkedIn](#)]
 Summer Intern, virtual [Aug 2021]
 Electrical and Electronics Engineering, Bogazici University, Istanbul, Turkey
15. Ammar Abdelsamie [Scholar] [[LinkedIn](#)] ComEng, Carleton University, Ottawa, Canada
 Carleton FED USRA (undergraduate summer research assistant) [May – Aug 2020]

- Mohamed Hozayen [[Scholar](#)] [[LinkedIn](#)] CSE, Carleton University, Ottawa, Canada
 14. NSERC USRA (Undergraduate Summer Research Assistant) [May – Aug 2019]
 13. Carleton University I-CUREUS intern [Sep 2018 – Apr 2019]
12. Mohammad Issa [[Scholar](#)] [[LinkedIn](#)] CSE, Carleton University, Ottawa, Canada
 Undergraduate summer intern [Jun – Jul 2018]
 Current Employment: Cloud Networking Software Developer, Wind River, Ottawa, Canada
11. Rozhina Ghanavi [[Scholar](#)] [[LinkedIn](#)] Tehran University, Iran
 Visiting Student [July – Oct 2017]
 Current Employment: Machine Learning Researcher, Rotman School of Management, U. of Toronto
10. Fizza Ahmad Sheikh [[Scholar](#)] [[LinkedIn](#)] EE, Carleton University, Ottawa, Canada
 NSERC USRA (undergraduate summer research assistant) [May – Aug 2017]
 Current Employment: Senior Data Scientist, Shopify, Toronto, Canada
9. Quoc-Nam Le-The [[Scholar](#)] [[LinkedIn](#)] CSE, Carleton University, Ottawa, Canada
 NSERC USRA (undergraduate summer research assistant) [May – Aug 2016]
 Current Employment: Senior, Software Engineer, Google, New York, USA
8. Daniel Rodrigues de Luna [[Scholar](#)] [[LinkedIn](#)]
 Undergraduate Summer Intern [May – Aug 2014]
 ScienceWithoutBorders Student, Brasil
7. Sashini Senarath [[Scholar](#)] [[LinkedIn](#)] McMaster University, Hamilton, Canada
 Undergraduate Summer Intern [May – Aug 2014]
 Current Employment: PhD student, University of Toronto, Canada
6. Abdel Rahman El Beheri [[Scholar](#)] [[LinkedIn](#)] ComEng, Carleton University, Ottawa, Canada
 Undergraduate Summer Intern [May – Aug 2014]
 Current Employment: Cyber Security Analyst, CDW Canada, Toronto, Canada
5. Tarek Hamouda [[Scholar](#)] [[LinkedIn](#)] ComEng, Carleton University, Ottawa, Canada
 NSERC USRA (Undergraduate Summer Research Assistant) [May – Aug 2012]
 Current Employment: Software Engineering Manager, Dell Technologies, Ottawa, Canada
- Furkan Alaca [[Scholar](#)] [[LinkedIn](#)] ComEng, Carleton University, Ottawa, Canada
 4. NSERC USRA (undergraduate summer research assistant) [May – Aug 2008]
 3. NSERC USRA (undergraduate summer research assistant) [May – Aug 2009]
 2. NSERC USRA (undergraduate summer research assistant) [May – Aug 2010]
 Current Employment: Assistant Professor, School of Computer Science, Queen's University, Canada
1. Talha Ahmad [[Scholar](#)] [[LinkedIn](#)] EE, Carleton University, Ottawa, Canada
 NSERC USRA (undergraduate summer research assistant) [May – Aug 2009]
 Current Employment: Engineering Manager, Momentive.ai, Ottawa, Canada

Graduates – Completed with Theses (29 PhD + 33 MASc)

- 29. Aditya Rajasekaran** – PhD, Aug 2023 [[Scholar](#)] [[LinkedIn](#)]
 NOMA Integrated with Enabling Technologies and Practical Challenges [thesis]
 Current Employment: Technical Coordinator, Ericsson, Ottawa, Canada
- 28. Safwan Alfattani** – PhD, University of Ottawa, Nov 2022 [[Scholar](#)] [[LinkedIn](#)]
 (cosupervisor: [Prof. A. Yongacoglu](#))
 Aerial and Stratospheric Platforms and Reconfigurable Intelligent Surfaces in Future Wireless Networks [thesis]
 Current Employment: Assistant Professor, King Abdulaziz University, Saudi Arabia
- 27. Nesrine Cherif** – PhD, University of Ottawa, Oct 2022 [[Scholar](#)] [[LinkedIn](#)]
 (cosupervisor: [Prof. A. Yongacoglu](#))
 Cellular-connected UAV in Next-Generation Wireless Networks [thesis]
 Current Employment: 5G NR L1 Developer, Dell, Ottawa, Canada
- 26. Rawan Alkurd** – PhD, Sep 2020 [[Scholar](#)] [[LinkedIn](#)]
 (cosupervisor: [Dr. Ibrahim Abualhaol](#))
 Big Data-driven AI-based Wireless Network Personalization [thesis]
 Current Employment: Data Scientist, Larus, Ottawa, Canada
- 25. Irem Bor-Yaliniz** – PhD, May 2020 [[Scholar](#)] [[LinkedIn](#)]
 Using Mobility for Agility: Enhancing Wireless Networks with Aerial Access Nodes and User Involvement [thesis]
 Current Employment: Network Design Engineer, Huawei, Ottawa, Canada
- 24. Elham Kalantari** – PhD, University of Ottawa, Jan 2020 [[Scholar](#)] [[LinkedIn](#)]
 (co-supervisor: Prof. Abbas Yongacoglu, University of Ottawa)
 Base Station Placement in Integrated Aerial and Terrestrial Wireless Cellular Networks [thesis]
 Current Employment: Radio Systems and Technology Developer, Ericsson, Ottawa, Canada
- 23. Monirosharieh Vameghestahbanati** – PhD, Jan 2020 [[Scholar](#)] [[LinkedIn](#)]
 (co-supervisors: Prof. Ian Marsland and Prof. Ramy Gohary)
 Designing Multidimensional Constellations and Efficient Detection Schemes for SCMA Systems [thesis]
 Current Employment: Research Engineer, Huawei, Ottawa, Canada
- 22. Mohamed Alzenad** – PhD, May 2019 [[Scholar](#)] [[LinkedIn](#)]
 Integrated Aerial and Terrestrial Wireless Access Architecture for Beyond-5G Networks [thesis]
 Current Employment: Research Engineer, Huawei, Ottawa, Canada
- 21. Faraj Lagum** – PhD, Nov 2018 [[Scholar](#)] [[LinkedIn](#)]
 (co-supervisor: Dr. Sebastian Szyszkowicz)
 Stochastic Geometry-Based Tools for Spatial Modeling and Planning of Future Cellular Networks: Opportunistic Cell Switch-off and Strategic Deployment of Flying Base Stations [thesis]
 Current Employment: Natural Language Processing (NLP) Engineer, LevaData, Ottawa, Canada
- 20. Zakaria El-Moutaouakkil** – PhD, IMT Atlantique, France, Oct 2018 [[Scholar](#)] [[LinkedIn](#)]
 (co-supervisors: Prof. Samir Saoudi, IMT Atlantique, France, and Dr. Kamel Tourki, Huawei France)
 Spectrum-Efficient Cognitive MIMO Relaying: A Practical Design Perspective
 Current Employment: Project Engineer, Sicotel Engineering Management Company, Casablanca, Morocco

- 19. Hossein Khoshnevis** – PhD, Sep 2018 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Ian Marsland)
Multilevel Polar Coded-Modulation for Wireless Communications [\[thesis\]](#)
Current Employment: DSP Engineer, Huawei, Ottawa, Canada
- 18. Yaser Fouad** – PhD, Jun 2018 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Ramy Gohary)
Number-Theoretic Sequence Design for Uncoordinated Resource Block Assignments in Relay-Assisted Machine-Type Communication Systems [\[thesis\]](#)
Current Employment: Staff Engineer, Samsung Electronics, Hillsboro, Oregon, USA
- 17. Mehmet Cagri Ilter** – PhD, Dec 2017 [\[Scholar\]](#) [\[LinkedIn\]](#)
SNR-Adaptive Constellation Design for Convolutional Codes [\[thesis\]](#)
Current Employment: PDF, Aalto University of Science and Technology, Finland
- 16. Hamza Umit Sokun** – PhD, Dec 2017 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Ramy Gohary)
Enhancing Energy and Spectral Efficiencies in Wireless Cellular Networks [\[thesis\]](#)
Current Employment: 5G System Developer, Ericsson, Ottawa, Canada
- 15. Meisam Mirahsan** – PhD, Jul 2017 [\[Scholar\]](#) [\[LinkedIn\]](#)
HetHetNets: Heterogeneous Wireless Cellular Networks with Heterogeneous Traffic [\[thesis\]](#)
Current Employment: Senior Software Engineer, Nokia, Ottawa, Canada
- 14. Tamer Beitelmal** – PhD, Dec 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Sebastian Szyszkowicz)
The Cell Switch-Off Approach for Energy Efficient Cellular Networks [\[thesis\]](#)
Current Employment: Software Designer, March Networks, Ottawa
- 13. Rozita Rashtchi** – PhD, Jan 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Ramy Gohary)
Joint Routing, Scheduling and Power Allocation in Generic Multihop Wireless Networks [\[thesis\]](#)
Current Employment: 4G/5G System Designer, Ericsson, Ottawa, Canada
- 12. Kevin Wen Luo** – PhD, Sep 2015 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Ramy Gohary)
Enhancing Rates in Relay Channels [\[thesis\]](#) [\[slides\]](#)
Current Employment: LTE Systems Designer, Ericsson, Ottawa, Canada
- 11. Alireza Sharifian** – PhD, Sep 2014 [\[Scholar\]](#) [\[LinkedIn\]](#)
Utility-based Packet Scheduling and Resource Allocation Algorithms with Heterogeneous Traffic for Wireless OFDMA Networks [\[thesis\]](#)
- 10. Akram Bin Sediq** – PhD, Aug 2013 [\[Scholar\]](#) [\[LinkedIn\]](#)
Towards Efficient and Fair Radio Resource Allocation Schemes for Interference-Limited Cellular Networks [\[thesis\]](#)
Current Employment: Senior Specialist – RAN Edge Analytics, Ericsson, Ottawa, Canada
- 9. Mahmudur Rahman** – PhD, Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
Dynamic Inter-Cell Interference Coordination in Cellular OFDMA Networks [\[thesis\]](#) [\[slides\]](#)

Current Employment: Expert Engineer, Innovation, Science and Economic Development Canada (ISED), Ottawa, Canada

8. Mohamed Rashad Salem – PhD, Jan 2011 [[Scholar](#)] [[LinkedIn](#)]

(co-supervisor: Prof. David Falconer)

Radio Resource Management in OFDMA-based Cellular Relay Networks [[thesis](#)] [[slides](#)]

Current Employment: Principal Engineer, Huawei, Ottawa, Canada

7. Sebastian Szyszkowicz – PhD, Jan 2011 [[Scholar](#)] [[LinkedIn](#)]

Interference from Large Wireless Networks under Correlated Shadowing [[thesis](#)] [[slides](#)]

Current Employment: Adjunct Research Professor, Systems and Computer Engineering, Carleton University

6. Houda Chafnaji – PhD, Telecom Bretagne, France, Nov 2010 [[Scholar](#)] [[LinkedIn](#)]

(co-supervisor: Prof. Samir Saoudi, Telecom Bretagne, France)

Advanced Hybrid-ARQ Receivers for Broadband MIMO Communications [[thesis](#)] [[slides](#)]

Current Employment: Associate Professor, INPT (Institut National des Postes et Telecommunications), Rabat, Morocco

5. Muhammad Aljuaid – PhD, Jul 2010 [[Scholar](#)] [[LinkedIn](#)]

Interference Characterization and Spectrum Sharing in Large Wireless Networks [[thesis](#)] [[slides](#)]

Current Employment: Saudi Aramco, Dhahran, Saudi Arabia

4. Saad Al-Ahmadi – PhD, Jul 2010 [[Scholar](#)] [[LinkedIn](#)]

Composite Fading Channel Modeling and Information Capacity of Distributed Antenna Architectures in Cellular Networks [[thesis](#)]

Current Employment: [Associate Professor](#), Electrical Engineering, King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia

3. Furuzan Atay Onat – PhD, Dec 2008 [[Scholar](#)] [[LinkedIn](#)]

Cooperative Diversity Relaying Techniques in Wireless Communication Networks [[thesis](#)]

2. John Boyer – PhD, Sep 2007 [[Scholar](#)] [[LinkedIn](#)]

(cosupervisor: Prof. David D. Falconer)

Cooperative Connectivity Models and Bounds for Wireless Relay Networks [[thesis](#)]

Current Employment: Chief Operating Officer, Bluink Ltd., Ottawa, Canada

1. Abdulkareem Adinoyi – PhD, May 2006 [[Scholar](#)] [[LinkedIn](#)]

Multi-Antenna and Relaying Techniques in Wireless Communication Networks [[thesis](#)]

Current Employment: Senior Consultant, Saudi Telecom Company, Riyadh, Saudi Arabia

33. Janaki Parekh – MASc, Jan 2025 [[Scholar](#)] [[LinkedIn](#)]

(cosupervisor: Dr. Amir Ghasemi, Adjunct Research Professor)

Toward Data-Driven Spectrum Management: Machine Learning Techniques for Localized Spectrum Demand Estimation

32. Ethan Fettes – MASc, Jan 2025 [[Scholar](#)] [[LinkedIn](#)]

(cosupervisor: Dr. Gunes Karabulut Kurt, Adjunct Research Professor)

Enhanced FSO (Free Space Optical) Data Backhaul for Satellite IoT Networks in the Presence of Adverse Weather Conditions

31. Tuheen Ahmmed – MASc, Dec 2023 [\[Scholar\]](#) [\[LinkedIn\]](#)
Passive Intermodulation Effects in Modern Radio Communication Systems
30. Jintao Liang – MASc, Jan 2023 [\[Scholar\]](#) [\[LinkedIn\]](#)
System Analysis for Satellite Networks with Free-Space Optical Links
29. Ammar Abdelsamie – MASc, Dec 2022 [\[Scholar\]](#) [\[LinkedIn\]](#)
(cosupervisor: Prof. Ian Marsland)
Novel Low-complexity Neural Network Aided Detection for Faster-Than-Nyquist (FTN) Signalling in ISI Channels
Current Employment: Solutions Architect, Amazon Web Services (AWS), Dubai, UAE
28. Nima Palizban – MASc, Aug 2017 [\[Scholar\]](#) [\[LinkedIn\]](#)
(cosupervisor: Dr. Sebastian Szyszkowicz, Adjunct Research Professor)
Millimeter Wave Small Cell Network Planning for Outdoor Line-of-Sight Coverage
Current Employment: LTE Software Designer, Ericsson, Ottawa, Canada
27. Ziwen Zhao – MASc, Sep 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(cosupervisor: Dr. Sebastian Szyszkowicz, Adjunct Research Professor)
Spatial Clustering in Slotted ALOHA Two-Hop Random Access for Machine Type Communications
Current Employment: Software Development Engineer, AWS (Amazon Web Service), Vancouver, BC, Canada
26. Philip Reinhard Balogun – MASc, Jan 2016 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisors: Prof. Ian Marsland and Dr. Ramy Gohary, Adjunct Research Professor)
Multilevel Polar Codes for Grassmannian Signaling
Current Employment: Software Developer, Ericsson, Ottawa, Canada
25. Inan Korkmaz – MASc, May 2015 [\[Scholar\]](#) [\[LinkedIn\]](#)
Fast Demand Control in Smart Grid Communications with User-in-the-Loop (UIL) Method
Current Employment: Electrical Engineer, RidgeBlade Power Collective, Kingston, ON, Canada
24. Ziyang Wang – M.A.Sc., Sep 2014 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Marc St-Hilaire)
Resource Management in Wireless Cellular Networks with Heterogeneous Capacity Supply and Heterogeneous Traffic Demand (HetHetNets)
Current Employment: Senior Web Developer, Solace, Ericsson, Ottawa
23. Jing Dang – M.A.Sc., Sep 2013 [\[Scholar\]](#) [\[LinkedIn\]](#)
Distributed Multiple Access for the Uplink of Multi-Cell OFDMA Networks
Current Employment: Ericsson, Ottawa
22. Gencer Cili – M.A.Sc., Sep 2012 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. Richard Yu)
Coordinated Multi-Point Transmission Aided Cell Switch Off Schemes for Energy Efficient Mobile Cellular Networks
Current Employment: Senior Engineering Manager, Product Analytics & Data Science, Apple, California, USA
21. Furkan Alaca – M.A.Sc., Aug 2012 [\[Scholar\]](#) [\[LinkedIn\]](#)
Current Employment: Assistant Professor, School of Computer Science, Queen's University, Canada
20. Talha Ahmad – M.A.Sc., Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)

Coordinated Multi-Point Transmission for Interference Mitigation in Cellular Distributed Antenna Systems
Current Employment: Software Development Manager, March Networks, Ottawa, Canada

19. Yaser Fouad – M.A.Sc., Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
A Distributed Resource Block Assignment Scheme for Relay-Assisted Cellular Networks with Self-Organizing Terminal Relays
Current Employment: Staff Engineer, Samsung Electronics, Hillsboro, Oregon, USA

18. Arshdeep Singh Kahlon – M.A.Sc., Jul 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Shalini Periyalar, Adjunct Research Professor)
Outage in Large Wireless Networks with Spectrum Sharing under Rayleigh Fading

17. Heba Eid – M.A.Sc., May 2011 [\[Scholar\]](#) [\[LinkedIn\]](#)
Inter-cell and Intra-Cell Interference Coordination in a Cellular Network with Highly-Sectorized Base Stations
Current Employer: Content Strategist, Magalix Corporation, Cairo, Egypt

16. Soumitra Dixit – M.A.Sc., Jan 2010 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Shalini Periyalar, Adjunct Research Professor)
A Distributed Framework with a Novel Pricing Model for Dynamic Spectrum Access for Secondary Users in Infrastructure based Wireless Networks
Current Employment: Engineer, Technical Expertise Center, Nokia, Ottawa, Canada

15. Akram S. Bin Sediq – M.A.Sc., Sep 2008 [\[Scholar\]](#) [\[LinkedIn\]](#)
Diversity Combining of Signals with Different Modulation Levels and Constellation Rearrangement in Cooperative Relay Networks
Current Employment: Senior Specialist – RAN Edge Analytics, Ericsson, Ottawa, Canada

14. Feroz Bokhari – M.A.Sc., Dec 2007 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. William Wong, Adjunct Research Professor)
Adaptive Token Bank Fair Queuing Scheduling in the Downlink of 4G Wireless Networks
Current Employment: Software QA Engineer, Amazon Lab126, Sunnyvale, California, USA

13. Sebastian S. Szyszkowicz – M.A.Sc., Jan 2007 [\[Scholar\]](#) [\[LinkedIn\]](#)
Interference in Cellular Networks: A Sum of Lognormals Modeling
Current Employment: Adjunct Research Professor, Systems and Computer Engineering, Carleton University

12. Omer Mubarek – M.A.Sc., Jan 2005 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Dr. Shalini Periyalar, Adjunct Research Professor)
Dynamic Frequency Hopping in Cellular Fixed Relay Networks
Current Employment: Principal Architect, HERE, Chicago, USA

11. Hakan Bolukbasi – M.A.Sc., Jan 2005 [\[Scholar\]](#) [\[LinkedIn\]](#)
(co-supervisor: Prof. David D. Falconer)
Feasibility of Providing Ubiquitous High Data Rate Coverage in Cellular Fixed Relay Networks
Current Employment: Senior Digital Design Engineer, Aselsan, Ankara, Turkey

10. Adrian Florea – M.A.Sc., Dec 2004 [\[Scholar\]](#) [\[LinkedIn\]](#)
On the Efficiency of Using Multiple Hops in Fixed Relay based Wireless Networks
Current Employment: Research Director, Communications Research Centre Canada, Ottawa, Canada

9. Mahmudur Rahman – M.A.Sc., May 2004 [\[Scholar\]](#) [\[LinkedIn\]](#)

(co-supervisor: Prof. Samy Mahmoud)

Adaptive Modulation & Coding-Based Packet Scheduling with Inter-Base Station Coordination in Fixed Cellular Broadband Wireless Networks

Current Employment: Expert Engineer, Innovation, Science and Economic Development Canada (ISED), Ottawa, Canada

8. Shoaev Hares – M.A.Sc., Jan 2004

[Scholar] [[LinkedIn](#)]

(co-supervisor: Dr. B. Hashem, Adjunct Research Professor)

Diversity and Adaptive Modulation & Coding Aware Routing in WLAN Multihop Networks with Centrally Scheduled Multiple Access

Current Employment: Software Engineer, Microsoft, Seattle, USA

7. Donald Walsh – M.A.Sc., Jan 2004

[Scholar] [[LinkedIn](#)]

Two-Hop Relaying in CDMA Networks Using the Unlicensed Bands

6. Imran Abdul Bari Syed – M.A.Sc., Dec 2003

[Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. Mohamed H. Ahmed, Memorial University)

Performance Improvements through the Mesh Architecture in TDMA based Broadband Fixed Cellular Networks

Current Employment: Senior NPI and Outsourced Manufacturing Engineer, Blackberry, Waterloo, Canada

5. Huining (Vivien) Hu – M.A.Sc., Sep 2003

[Scholar] [[LinkedIn](#)]

Performance Analysis of Cellular Networks with Digital Fixed Relays

Current Employment: Electrical Engineer, EPMC Inc., Virginia, USA

4. Ehab Armanious – M.A.Sc., Jan 2003

[Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Link Adaptation Techniques for Fixed Broadband Wireless Access Systems

3. Van Sreng – M.A.Sc., Jan 2002

[Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Capacity Enhancement through Two-Hop Relaying in Cellular Radio Systems

Current Employment: Senior Staff RF HW Designer, NIO, San Jose, CA, USA

2. John Boyer – M.A.Sc., 2001

[Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Multihop Wireless Communications Channels

Current Employment: Chief Operating Officer, Bluink Ltd., Ottawa, Canada

1. Salem Hamad Salamah – M.A.Sc, 2000

[Scholar] [[LinkedIn](#)]

(co-supervisor: Prof. David D. Falconer)

Transmit Power Control in Fixed Cellular Broadband Wireless Systems

Current Position: Lecturer, College of Technological Studies, PAAET, Kuwait

Undergraduate (4th Year) Project Students (52; 16 projects)

2022-2023

LTE-Controlled Drone

Conor Johnson Martin, Bailey Lyster, Graham Kendall, Stephen Batterton

2021-2022

3D Imaging with LTE-enabled UAV

Nour Ayoub, Mohamed Gad, Ali Magdy Abdulmoemen, Mohamed Hany Hamed

2020-2021

First Responder Drone for Incident Assessment and Active Response

Jad Choufani, Hassan Dahrouj, Adel Agha, Mohammed Tukur Jaji

2019-2020

BVLOS Control of an Unmanned Aerial Vehicle by LTE Network for Rapid-Response Emergency Medical Assistance

Haoyang Guo, Hassan Yusuf, Ian Harvey

2017-2018

LTE-Controlled Drone

Liam Brown, Otonye Iyalla

2016-2017

LTE-Controlled Drone

Stephane Ernst, Ryan Billard, Kaan Sozan

2008-2009

Multihop Sensor Networks

Farhan Zaman, Asim Ahmed, Farhan Haq

2005-2006

Multihop Communications for Next-Generation Wireless Cellular Networks

Karunathas Balasubramaniam, Kabo Kgwarae, Tebatso Nage, Theresa Nguyen, Xin Zhang, Jiesheng Zhu

2003-2004

Multihop Communications for Future Wireless Cellular Networks

Kurt Yensen, Shingayi Bamhare

2002-2003

Intelligent Relaying Technologies in Future Wireless Cellular Networks

Jacek Dmochowski, Rob Hamelin, Thayaparana Kumarasamy

2001-2002

Relaying Technologies in Future Wireless Cellular Networks

Araya Abebe, Ahmed Al-Asaad, Ela Beres, Kasinathan Sivaratnam

2000-2001

Transmit Power Control in CDMA Multimedia Systems

Bassey Akan, Soheer Choudhry, Shoaev Hares, Mohammed Treif, Kaleswaran Visuvalingam, Donald Walsh

1999-2000

Propagation Measurements for Indoor Wireless Communication

W. Santhipillai

Power Control with CDMA Distributed Antenna Systems

R. Rajaratnam, M. Mahalingam, V. Thangarajah

1998-1999

Power Control with CDMA Distributed Antenna Systems

A. Tharmalingam, S. Thirugnanasampather

Indoor Radio Coverage Analysis Using Distributed Antenna Systems

S. Thiagarajah, S. Rajagopal