

Math & Computer Science

U N I V E R S I T Y O F L E T H B R I D G E

LONG SERVICE AWARDS 2015

CONTENTS

1. Long Service Awards
2. Promotions
- 3–5 New Grad Students
- 6–8 Theses Defenses
9. Medal of Merit
10. New Department Members
11. Seminars, Colloquia, Conferences



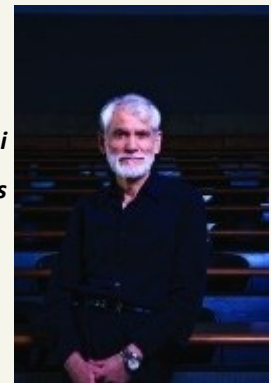
Amir Akbary-Majdabado

15 years



Wendy Osborn

10 years



Hadi Kharaghani

25 years



Trent Takeyasu

15 years



PROMOTIONS

Congratulations to the following on their successful promotions this year! The new designations became effective July 1, 2015.



Robert Benkoczi
Associate Professor

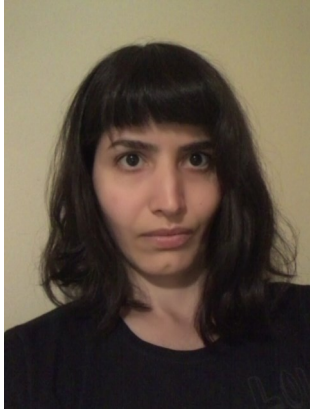


Daya Gaur
Professor



Joy Morris
Professor

GRADUATE STUDENTS—incoming



SAHAR SIAVASHI

Master's (mathematics) with Amir Akbary

Sahar arrived in May.



MUSHARRAT KHAN

Master's (computer science) with Jackie Rice

Musharrat also arrived in May.



SHARMIN AKTER

Master's (computer science) with Daya Gaur

Sharmin joined us in September.



FARZIN KEYKAVOOS AMAND

Master's (computer science) with Wendy Osborn

GRADUATE STUDENTS—incoming

The following graduate students also joined us in September:



LAZIMA ANSARI

Master's (computer science) with Daya Gaur



AHAMAD IMTIAZ KHAN

Master's (computer science) with Shahadat Hossain



MIR TAFSEER NAYEEM

Master's (computer science) with Yllias Chali



PARIJAT PUROHIT

Master's (computer science) with Robert Benkoczi/Daya Gaur



MD MAHMUDUL HASAN RAFEE

Master's (computer science) with Jackie Rice

**Photo Not
Available**

SHAULI SUMI

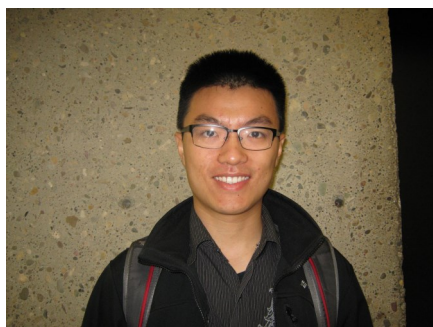
Master's (computer science) with Wendy Osborn



SARA SASANI

PhD (mathematics) with Hadi Kharaghani

[Sara completed her Master's this summer and is now continuing on with her Phd, also with Hadi Kharaghani]



YE WANG

PhD (computer science) with Hua Li

[Ye completed his Master's this summer and is now continuing on with his PhD, with Hua Li]

Theses Defenses—Defended!



S.M. ERFANUL KABIR CHOWDHURY,

MSc (computer science)

Defended: 24 June 2015

Thesis: *Orthogonal Design*

Committee:

Hadi Kharaghani, supervisor

Wolfgang Holzmann, committee member

Mark Walton, committee

Amir Akbary-Majdabadno, examination chair



FATEMEH (FARNOOSH) GHIYAFEH DAVOODI,

MSc (computer science)

Defended: 31 August 2015

Thesis: *Semi-Extractive Multi-Document Summarization*

Committee:

Yllias Chali, supervisor

Wendy Osborn, committee member

John Zhang, committee member

Jackie Rice, examination chair



JAYATI LAW, MSc (computer science)

Defended: 6 August 2015

Thesis: *Minimization of Lines in Reversible Circuits*

Committee:

Jacqueline Rice, supervisor

Robert Benkoczi, committee member

Stephen Wismath, committee member

Howard Cheng, examination chair



FARIHA NAZ, MSc (computer science)

Defended: 23 July 2015

Thesis: *Do Sociolinguistic Variations Exist in Programming?*

Committee:

Jacqueline Rice, supervisor

Inge Genee, committee member

Javid Sadr, committee member

Kevin Grant, committee member

Howard Cheng, examination chair



ANIK SAHA, MSc (computer science)

Defended: 25 August 2015

Thesis: *Bi-Directional Determination of Sparse Jacobian matrices: Algorithms and Lower Bounds*

Committee:

Shahadat Hossain, supervisor

Daya Gaur, committee member

Robert Benkoczi, committee member

Christopher Annand, external examiner

Hadi Kharaghani, examination chair



SARA SASANI, MSc (mathematics)

Defended: 25 May 2015

Thesis: *Association Schemes and Mutually Unbiased Hadamard Matrices*

Committee:

Hadi Kharaghani, supervisor

Wolfgang Holzmann, committee member

Mark Walton, committee member

Amir Akbary, examination chair

Theses Defenses—Defended!



SHARMIN SULTANA, MSc (mathematics)

Defended: 19 August 2015

Thesis: *Optimal Paths Related to Discrete Transport Problems*

Committee:

Abbas Momeni, supervisor

Amir Akbary, committee member

Nathan Ng, committee member

Hadi Kharaghani, examination chair

CONGRATULATIONS!

Medal of Merit, Master of Science



The School of Graduate Studies Medal of Merit, Master of Science, has been awarded to our very own Mohammad Akbari. Thesis: *claVision: Visual Automatic Piano Music Transcription*

Mohammad Akbari was born and grew up in Abadeh, Fars, Iran. He began his Masters in Computer Science the University of Lethbridge in 2013, under the supervision of Dr. Howard Cheng. Also a musician, Akbari did research in an interdisciplinary field in computer science and music, which resulted in developing an innovative system named claVision for visual piano music transcription. Winning the 2014 Canadian Microsoft Imagine Cup Innovation Competition, filing a patent application for claVision and incorporating claVision Inc. are other achievements during his master studies. He is currently a PhD student in Engineering Science at Simon Fraser University.

Summer MITACS Students

The department enjoyed the company of three MITACS students this summer.

- * Muhammad Khalid Alanquri—with Jackie Rice
- * Kanika Parashar—with Yllias Chali
- * Santhosh Kumar Polubothu—with Jackie Rice

We wish them continued success in their academic pursuits!

INCOMING DEPARTMENT MEMBERS



JOHN ANVIK
Faculty, Computer Science



SEAN FITZPATRICK
Instructor III, Math/Stats



ALIA HAMIEH
Post Doctoral Fellow



ALEXEY POPOV
Faculty, Mathematics

DEPARTMENT SEMINARS, COLLOQUIA, CONFERENCESWWW.ULETH.CA/ARTSCI/MATH-COMPUTER/SCIENCE/EVENTS**Lethbridge Number Theory & Combinatorics Seminar Series** (Mondays, noon):

- May 8, 2015—Ram Murty (Queen’s University)
“Consecutive Squarefull Numbers”
- June 1, 2015—Adam Felix (KTH Royal Institute of Technology, Sweden)
“How close is the Order of $a \bmod p$ to $p-1$?”
- June 15, 2015—Darcy Best (Monash University, Australia)
“Finding Long Transversals in Latin Squares”
- August 6, 2015—Anders Södergren (University of Copenhagen)
“Low-lying zeros of Artin L-functions”
- August 6, 2015—Daniel Fiorilli (University of Ottawa)
“On Vaughan’s Approximation”

Other:

- May 8 and 9—Alberta Mathematics Dialogue 2015 was hosted by the department.

