

Jacob J. Peoples Curriculum Vitæ

PhD Candidate, Queen's University

Education

2016/09 – present	PhD Computing , Queen's University	
2014/09 – 2016/08	MSc Computing , Queen's University	Promoted to PhD
2010/09 – 2014/04	BScH Mathematical Physics , Queen's University	GPA: 4.15/4.3

Publications

Journal Articles

- J1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable multimodal registration for navigation in beating-heart cardiac surgery. *International Journal of Computer Assisted Radiology and Surgery*, 2019. (doi: [10.1007/s11548-019-01932-2](https://doi.org/10.1007/s11548-019-01932-2)¹)

Refereed Abstracts

- A2 M. S. Hefny, **J. J. Peoples**, M. L. Zec, D. R. Pichora, and R. E. Ellis: Topologically consistent triangulation for computer assisted surgery planning. In *CARS 2016, International Journal of Computer Assisted Surgery (Suppl 1)*, 2016.
- A1 M. S. Hefny, **J. J. Peoples**, M. L. Zec, D. R. Pichora, and R. E. Ellis: Atlas-based scaphoid fixation planning. In *Proceedings of the Annual Meetings of CAOS-International*, 2016.

Preprints

- P1 K. Cannon, C. Hanna, and **J. Peoples**: Likelihood-ratio ranking statistic for compact binary coalescence candidates with rate estimation. *arXiv preprint arXiv:1504.04632*, 2015.

Research Experience

2016/09 – present	Graduate Researcher (PhD) , Queen's University
2014/09 – 2016/08	Graduate Researcher (Master's) , Queen's University
2015/10 – 2016/01	Special Research Student , Nara Institute of Science and Technology
2013/05 – 2013/08	Summer Undergraduate Researcher , Canadian Institute for Theoretical Astrophysics

Teaching Experience

2018 Winter	Instructor , Discrete Mathematics for Computing I (CISC102), Queen's University
2017/03/28	Guest Lecturer , Continuous Coordinate Transformations (CISC881), Queen's University
2017/01/16	Guest Lecturer , Continuous Coordinate Transformations (CISC881), Queen's University
2017/01/14	Guest Lecturer , Continuous Coordinate Transformations (CISC881), Queen's University
2016 Fall	Teaching Assistant , Discrete Mathematics for Computing I (CISC102), Queen's University
2015 Fall	Teaching Assistant , Logic for Computing Science (CISC204), Queen's University
2014 Fall	Teaching Assistant , Discrete Mathematics for Computing I (CISC102), Queen's University

Awards and Honours

Research Scholarships

2017/09 – present	NSERC PGS-D , CAD 21,000 per annum
2016/09 – 2017/08	Queen Elizabeth II Graduate Scholarship in Science and Technology , CAD 15,000
2015/05 – 2016/04	NSERC Alexander G. Bell CGS-M , CAD 17,500
2015/11 – 2016/01	JASSO Student Exchange Support Program for Short Term Study in Japan
2013/05 – 2013/08	NSERC Undergraduate Summer Research Award

Undergraduate Awards

All awards listed below were awarded by Queen's University

2014	Medal in Mathematical Physics; Dean's Honour List
2013	Dean's Honour List; Nellie and Ralph Jeffery Award in Mathematics

¹<https://doi.org/10.1007/s11548-019-01932-2>

- 2012 Dean's Honour List with Distinction; Susan Near Prize in Mathematics; Susan Near Prize in Physics; Dora and Beatrice Helmkey Scholarship in Mathematics
 - 2011 Dean's Honour List with Distinction; William Coombs Baker Memorial Prize; Day Prize in Physics and Mathematics; Annie Bentley Lillie Prize in First Year Calculus; Principal's Scholarship
 - 2010 Principal's Scholarship
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Conference Presentations

Talks

- CT2 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/19 ([video](#)²)
- CT1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/18 ([video](#)³)

Posters

- CP1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/18 to 2019/06/19

²<http://medialibrary.cars2019.org/mediatheque/media.aspx?mediaId=70854&channel=70776>

³<http://medialibrary.cars2019.org/mediatheque/media.aspx?mediaId=70821&channel=70776>