

## CURRICULUM VITAE

**Name:** VICTORIA MICHELLE KASPI, CC, FRS, FRSC

**Biography:** Born in Austin, Texas; June 30, 1967  
 Raised in Montreal, Quebec  
 Married, three children (aged 23 yr, 21 yr, 19 yr)

**Address:** Physics Department  
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### Professional Affiliations:

American Astronomical Society, High Energy Astrophysics Division,  
 Canadian Astronomical Society, International Union of Radio Science  
 International Union of Pure and Applied Physics

### Education:

1993	Princeton University	Ph.D. (Physics)
1991	Princeton University	M.A. (Physics)
1989	McGill University	B.Sc. Honors (Physics)

**Research Interests:** Radio transients: rotating radio transients, Fast Radio Bursts.  
 Neutron stars: timing, high-precision timing, searching,  
 birth properties, evolution, supernova remnant associations,  
 pulsar wind nebulae; binary dynamics, binary evolution,  
 high-energy properties (X-ray,  $\gamma$ -ray).

### Employment:

2015–	Director	McGill Space Institute
2013–15	Associate Dean, Research & Graduate Education	McGill University, Faculty of Science
2008–9	Visiting Scientist	Canadian Space Agency, Space Sciences Division
2006–	Professor	McGill University, Physics Department
1999–2006	Associate Professor	McGill University, Physics Department
1997–2002	Assistant Professor	Massachusetts Institute of Technology, Physics Department
1997	Hubble Postdoctoral Fellow	Massachusetts Institute of Technology, Center for Space Research
1994–96	Hubble Postdoctoral Fellow	Jet Propulsion Laboratory, IPAC
1994–96	Visiting Associate	California Institute of Technology, Astronomy Department
1994	Higgins Instructor	Princeton University, Physics Department

**Awards and Fellowships:**

- 2024 Bunyan Lectureship, Stanford University
- 2023 Gold Lectureship, Cornell University
- 2022 Albert Einstein World Award of Science
- 2022 NSERC Brockhouse Award (to CHIME team)
- 2022 American Astronomical Society Lancelot M. Berkeley Prize  
for Meritorious Work in Astronomy (to CHIME/FRB team)
- 2021 Biermann Lectureship, MPI Garching
- 2021 Shaw Prize for Astronomy (with Chryssa Kouveliotou)
- 2021 Fellow of American Astronomical Society
- 2020 Royal Society Bakerian Medal
- 2020 Governor General's Innovation Award (to CHIME team)
- 2020 McGill Alumni Association David Johnston Faculty & Staff Award
- 2020 McGill University Distinguished James McGill Chair
- 2019 Nature's Top 10 People Who Mattered in Science
- 2019 John David Jackson Award for Excellence in Teaching
- 2018 Doctor of Science, honoris causa, University of British Columbia Okanagan
- 2017 Prix d'excellence du FRQNT
- 2017 Companion to the Order of Canada
- 2016 NSERC Gerhard Herzberg Gold Medal for Science and Engineering
- 2015 NASA Group Achievement Award, *NuSTAR* Project Team
- 2015 Killam Prize
- 2015 Election to American Academy of Arts & Sciences
- 2014 Election as Fellow of American Physical Society
- 2013 Peter G. Martin Award of Canadian Astronomical Society
- 2013 Queen Elizabeth II Diamond Jubilee Medal
- 2012 University of Toronto Helen Sawyer Hogg Distinguished Visitorship
- 2011 NSERC John C. Polanyi Award
- 2010 Election to U.S. National Academy of Sciences
- 2010 Fellow of the Royal Society of London
- 2010 Killam Research Fellowship
- 2009 Prix du Quebec Marie-Victorin
- 2009 California Institute of Technology Moore Scholar
- 2008 Fellow of Royal Society of Canada
- 2007 ACFAS Prix Urgel-Archambault
- 2007 Rutherford Medal in Physics of Royal Society of Canada
- 2006 Steacie Prize for Natural Sciences
- 2006- Lorne Trottier Chair in Astrophysics and Cosmology
- 2006-20 Canada Research Chair in Observational Astrophysics, Tier I
- 2006- R. Howard Webster Foundation Fellow  
of the Canadian Institute for Advanced Research
- 2004 Canadian Association of Physicists Herzberg Medal
- 2003 NSERC Steacie Fellow
- 2002 Fellow of Canadian Institute for Advanced Research,  
Gravity and Cosmology Program
- 2002 Canadian Institute for Advanced Research Young Explorer Prize

2001-05	Canada Research Chair in Observational Astrophysics, Tier II
1998	Alfred P. Sloan Research Fellowship
1998	Annie Jump Cannon Prize of the American Astronomical Society
1997	Ernest F. Fullam Award of the Dudley Observatory

### Refereed Publications:

*H-index 102; 42,267 citations (average 111 citations per paper, 51 papers with >200 citations) as of Oct 21, 2024; source NASA Astrophysical Data System.*

*Items identified with “\*” have as first author a student or postdoc who did the work under my supervision. Students/postdocs under my supervision are underlined.*

1. \* Mckinven, R. et al. “A pulsar-like swing in the polarisation position angle of a nearby fast radio burst,” *Nature*, in press, <https://arxiv.org/abs/2402.09304>.
2. Nimmo, K. et al. “Magnetospheric origin of a fast radio burst constrained using scintillation,” *Nature*, in press, <https://arxiv.org/abs/2406.11053>.
3. \* Pearlman, A. et al. “Multiwavelength Constraints on the Origin of a Nearby Repeating Fast Radio Burst Source in a Globular Cluster,” *Nature Astronomy*, in press, <https://arxiv.org/abs/2308.10930>.
4. \* Faber, J. et al. “Morphologies of Bright Complex Fast Radio Bursts with CHIME/FRB Voltage Data,” *Astrophys. J.*, 974, 274, 2024. (26 authors)
5. Cook, A. et al. “Contemporaneous X-Ray Observations of 30 Bright Radio Bursts from the Prolific Fast Radio Burst Source FRB 20220912A,” *Astrophys. J.*, 974, 170, 2024. (24 authors)
6. Cassanelli, T. et al. “A fast radio burst localized at detection to an edge-on galaxy using very-long-baseline interferometry,” *Nature Astronomy*, 227, 2024. (50 authors)
7. \* Curtin, A. et al. “Constraining Near-simultaneous Radio Emission from Short Gamma-Ray Bursts Using CHIME/FRB,” *Astrophys. J.*, 972, 125, 2024. (15 authors)
8. \* Bhardwaj, M. et al. “Host Galaxies for Four Nearby CHIME/FRB Sources and the Local Universe FRB Host Galaxy Population,” *Astrophys. J.* 971, L51, 2024. (28 authors)
9. Lanman, A. et al. “CHIME/FRB Outriggers: KKO Station System and Commissioning Results,” *Astronomical J.*, 168, 87, 2024. (46 authors)
10. CHIME/FRB Collaboration “Updating the First CHIME/FRB Catalog of Fast Radio Bursts with Baseband Data,” *Astrophys. J.*, 969, 145, 2024. (59 authors)
11. McEwan, A. E. et al. “The Green Bank 820 MHz Pulsar Survey. I. Survey Overview and Initial Results,” *Astrophys. J.*, 969, 118, 2024. (44 authors)
12. Pandhi, A. et al. “Polarization Properties of 128 Nonrepeating Fast Radio Bursts from the First CHIME/FRB Baseband Catalog,” *Astrophys. J.*, 968, 50, 2024. (26 authors)
13. \* Tan, Chia et al. “High-cadence Timing of Binary Pulsars with CHIME,” *Astrophys. J.*, 961, 26, 2024. (10 authors)

14. Fonseca, E. et al. “Modeling the Morphology of Fast Radio Bursts and Radio Pulsars with fitburst,” *Astrophys. J. Supp. Ser.*, 261, 49, 2024. (14 authors)
15. McEwen, A. et al. “The Green Bank North Celestial Cap Survey. IX. Timing Follow-up for 128 Pulsars,” *Astrophys. J.*, 962, 167, 2024. (31 authors)
16. Rafiei-Ravandi, M. et al. “Statistical Association between the Candidate Repeating FRB 20200320A and a Galaxy Group,” *Astrophys. J.*, 961, 177, 2024. (20 authors)
17. Ibik, A. L. et al. “Proposed Host Galaxies of Repeating Fast Radio Burst Sources Detected by CHIME/FRB,” *Astrophys. J.*, 961, 99, 2024. (21 authors)
18. Dong, F. et al. “The second set of pulsar discoveries by CHIME/FRB/Pulsar: 14 rotating radio transients and 7 pulsars,” *Mon. Not. Roy. Astr. Soc.*, 524, 5132, 2023. (16 authors)
19. Fiore, W. et al. “The Green Bank North Celestial Cap Survey. VIII. 21 New Pulsar Timing Solutions,” *Astrophys. J.*, 956, 40, 2023. (29 authors)
20. \* Sand, K. et al. “A CHIME/FRB Study of Burst Rate and Morphological Evolution of the Periodically Repeating FRB 20180916B,” *Astrophys. J.*, 956, 23, 2023. (34 authors)
21. Abbott, R. et al. “Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO-Virgo Observing Run O3a,” *Astrophys. J.*, 955, 155, 2023. (1657 authors)
22. \* Andersen, B. et al. “Flux Calibration of CHIME/FRB Intensity Data,” *Astron. J.*, 166, 138, 2023. (14 authors)
23. \* Curtin, A. et al. “Limits on Fast Radio Burst-like Counterparts to Gamma-Ray Bursts Using CHIME/FRB,” *Astrophys. J.*, 954, 154, 2023. (24 authors)
24. **Kaspi, V.** “Slow-beating radio waves from a long-lived source,” *Nature*, 619, 472, 2023. (News & Views)
25. \* Mckinven, R. et al. “Revealing the Dynamic Magnetoionic Environments of Repeating Fast Radio Burst Sources through Multiyear Polarimetric Monitoring with CHIME/FRB,” *Astrophys. J.*, 951, 82, 2023. (24 authors)
26. Michilli, D. et al. “Subarcminute Localization of 13 Repeating Fast Radio Bursts Detected by CHIME/FRB,” *Astrophys. J.*, 950, 134, 2023. (29 authors)
27. \* Mckinven, R. et al. “A Large-scale Magneto-ionic Fluctuation in the Local Environment of Periodic Fast Radio Burst Source FRB 20180916B,” *Astrophys. J.*, 950, 12, 2023. (25 authors)
28. CHIME/FRB Collaboration et al. “CHIME/FRB Discovery of 25 Repeating Fast Radio Burst Sources,” *Astrophys. J.*, 947, 83, 2023. (58 authors)
29. Cook, A. M. et al. “An FRB Sent Me a DM: Constraining the Electron Column of the Milky Way Halo with Fast Radio Burst Dispersion Measures from CHIME/FRB,” *Astrophys. J.*, 946, 58, 2023. (28 authors)
30. \* Merryfield, M. et al. “An Injection System for the CHIME/FRB Experiment,” *Astron. J.*, 165, 152, 2023. (22 authors)
31. Swiggum, J. K. et al. “The Green Bank North Celestial Cap Survey. VII. 12 New Pulsar Timing Solutions,” *Astrophys. J.*, 944, 154, 2023. (25 authors)

32. Shin, K. et al. “Inferring the Energy and Distance Distributions of Fast Radio Bursts Using the First CHIME/FRB Catalog,” *Astrophys. J.*, 944, 105, 2023. (21 authors)
33. Good, D. C. et al. “Nondetection of CHIME/Fast Radio Burst Sources with the Arecibo Observatory,” *Astrophys. J.*, 944, 70, 2023. (10 authors)
34. \* Andersen, B. C. et al. “CHIME Discovery of a Binary Pulsar with a Massive Nondegenerate Companion,” *Astrophys. J.*, 943, 57, 2023. (28 authors)
35. Leung, C. et al. “Constraining primordial black holes using fast radio burst gravitational-lens interferometry with CHIME/FRB,” *PhRvD*, 106, 043017, 2022. (33 authors)
36. Kader, Z. et al. “High-time resolution search for compact objects using fast radio burst gravitational lens interferometry with CHIME/FRB,” *PhRvD*, 106, 043016, 2022. (35 authors)
37. CHIME/FRB Collaboration, “Sub-second periodicity in a fast radio burst,” *Nature*, 607, 256, 2022. (61 authors)
38. \* Lanman, A., Andersen, B., Chawla, P. et al. “A Sudden Period of High Activity from Repeating Fast Radio Burst 20201124A,” *Astrophys. J.*, 927, 59, 2022. (33 authors)
39. \* Chawla, P., **Kaspi, V.**, et al. “Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog,” *Astrophys. J.*, 927, 35, 2022. (31 authors)
40. Kirsten, F. et al. “A repeating fast radio burst source in a globular cluster,” *Nature*, 602, 585, 2022. (66 authors)
41. Cassanelli, T. et al. “Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope,” *Astronom. J.*, 163, 65, 2022. (41 authors)
42. Mena-Parra, J. et al. “A Clock Stabilization System for CHIME/FRB Outriggers,” *Astronom. J.*, 163, 48, 2022. (17 authors)
43. \* Parent, E., Sewalls, H. et al. “Study of 72 Pulsars Discovered in the PALFA Survey: Timing Analysis, Glitch Activity, Emission Variability, and a Pulsar in an Eccentric Binary,” *Astrophys. J.*, 924, 135, 2022. (34 authors)
44. CHIME/FRB Collaboration, “The First CHIME/FRB Fast Radio Burst Catalog,” *Astrophys. J. Supp. Ser.*, 257, 59, 2021. (75 authors)
45. \* Josephy, A., Chawla, P., Curtin, A. et al. “No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution,” *Astrophys. J.*, 923, 2, 2021. (27 authors)
46. \* Pleunis, Z., Good, D., **Kaspi, V. M.**, et al. “Fast Radio Burst Morphology in the First CHIME/FRB Catalog,” *Astrophys. J.*, 923, 1, 2021. (31 authors)
47. Good, D., Andersen, B., Chawla, P. et al. “First discovery of new pulsars and RRATs with CHIME/FRB,” *Astrophys. J.*, 922, 43, 2021. (23 authors)
48. Rafiei-Ravandi, M. et al., “CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure,” *Astrophys. J.*, 922, 42, 2021. (41 authors)
49. Agazie, G. et al., “The Green Bank Northern Celestial Cap Pulsar Survey. VI. Timing and Discovery of PSR J1759+5036: A Double Neutron Star Binary Pulsar,” *Astrophys. J.*, 922, 35, 2021. (30 authors)
50. \* Bhardwaj, M. et al., “A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A,” *Astrophys. J.*, 919, L24, 2021. (20 authors)

51. CHIME/Pulsar Collaboration, “The CHIME Pulsar Project: System Overview,” *Astrophys. J. Supp.*, 255, 5, 2021. (44 authors)
52. Fonseca, E. et al. “Refined Mass and Geometric Measurements of the High-mass PSR J0740+6620,” *Astrophys. J., Astrophys. J.*, 915, L12, 2021. (45 authors)
53. \* Pleunis, Z., Michilli, D. et al., “LOFAR Detection of 110-188 MHz Emission and Frequency-Dependent Activity from FRB 20180916B,” *Astrophys. J.*, 911, L3, 2021. (35 authors)
54. \* Bhardwaj, M., Gaensler, B. M., **Kaspi, V. M.**, et al., “A nearby repeating fast radio burst in the direction of M81,” *Astrophys. J.*, 910, L18, 2021. (26 authors)
55. \* Michilli, D. et al. “An analysis pipeline for CHIME/FRB full-array baseband data,” *Astrophys. J.*, 910, 14, 2021. (24 authors)
56. Tendulkar, S. et al. “The 60 pc Environment of FRB 20180916B,” *Astrophys. J.*, 908, L12, 2021. (21 authors)
57. Leung, C. et al. “A Synoptic VLBI Technique for Localizing Non-Repeating Fast Radio Bursts with CHIME/FRB,” *Astronom. J.*, 161, 81, 2021. (24 authors)
58. \* Parent, E., Chawla, P., **Kaspi, V. M.** et al. “First Discovery of a Fast Radio Burst at 350 MHz by the GBNCC Survey,” *Astrophys. J.*, 904, 92, 2020. (29 authors)
59. CHIME/FRB Collaboration, “A bright millisecond-duration radio burst from a Galactic magnetar,” *Nature*, 587, 54, 2020. (70 authors)
60. Ng, C. et al. “The Discovery of Nulling and Mode Switching Pulsars with CHIME/Pulsar,” *Astrophys. J.*, 903, 81, 2020. (21 authors)
61. Scholz, P. et al. “Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB 180916.J0158+65,” *Astrophys. J.*, 901, 165, 2020. (38 authors)
62. Ferdman, R. D. et al. “Asymmetric mass ratios for bright double neutron-star mergers,” *Nature*, 583, 211, 2020. (14 authors)
63. CHIME/FRB Collaboration, “Periodic activity from a fast radio burst source,” *Nature*, 582, 351, 2020. (72 authors)
64. Ng, C., Pandhi, A., Naidu, A., Fonseca, E., **Kaspi, V. M.**, Masui, K. W., Mckinven, R., Renard, A.; Scholz, P., Stairs, I. H., Tendulkar, S. P., Vanderlinde, K. “Faraday rotation measures of Northern hemisphere pulsars using CHIME/Pulsar,” *Mon. Not. Roy. Astro. Soc.*, 496, 2836, 2020.
65. \* Chawla, P., Andersen, B. C., Bhadwaj, M., Fonseca, E., Josephy, A., **Kaspi, V. M.**, Michilli, D., Pleunis, Z., et al., “Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz,” *Astrophys. J.*, 896, L41, 2020. (37 authors)
66. McEwen, A. E. et al., “The Green Bank North Celestial Cap Pulsar Survey. V. Pulsar Census and Survey Sensitivity,” *Astrophys. J.*, 892, 76, 2020. (26 authors)
67. \* Fonseca, E. et al., “Nine New Repeating Fast Radio Burst Sources from CHIME/FRB,” *Astrophys. J.*, 891, L6, 2020. (41 authors)
68. Archibald, R. F., Scholz, P., **Kaspi, V. M.**, Tendulkar, S. P., Beardmore, A. P., “Two New Outbursts and Transient Hard X-Rays from 1E 1048.1-5937,” *Astrophys. J.*, 889, 160, 2020.

69. Marcote, B. et al., “A repeating fast radio burst source localized to a nearby spiral galaxy,” *Nature*, 577, 190, 2020. (54 authors)
70. \* Parent, E., **Kaspi, V. M.**, et al., “Eight Millisecond Pulsars Discovered in the Arecibo PALFA Survey,” *Astrophys. J.*, 886, 148, 2019. (21 authors)
71. CHIME/FRB Collaboration, “CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources,” *Astrophys. J.*, 885, L24, 2019. (56 authors)
72. \* Josephy, A., Chawla, P., Fonseca, E., et al. “CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102,” *Astrophys. J.*, 882, L18, 2019. (44 authors)
73. Zhu, W. W. et al. “Mass Measurements for Two Binary Pulsars Discovered in the PALFA Survey,” *Astrophys. J.*, 881, 165, 2019. (18 authors)
74. Hessels, J. W. T. et al. “FRB 121102 Bursts Show Complex Time-Frequency Structure,” *Astrophys. J.*, 876, L23, 2019. (26 authors)
75. CHIME/FRB Collaboration, “A second source of repeating fast radio bursts,” *Nature*, 566, 235, 2019. (54 authors)
76. CHIME/FRB Collaboration, “Observations of fast radio bursts at frequencies down to 400 megahertz,” *Nature*, 566, 230, 2019. (54 authors)
77. Aloisi, R. J. et al. “The Green Bank North Celestial Cap Pulsar Survey. IV. Four New Timing Solutions,” *Astrophys. J.*, 875, 19, 2019. (43 authors)
78. \* Patel, C., et al. “PALFA Single-pulse Pipeline: New Pulsars, Rotating Radio Transients, and a Candidate Fast Radio Burst,” *Astrophys. J.*, 869, 181, 2018. (29 authors)
79. Archibald, R. F., **Kaspi, V. M.**, Tendulkar, S. P., Scholz, P. “The 2016 Outburst of PSR J1119-6127: Cooling & a Spin-down Dominated Glitch,” *Astrophys. J.*, 869, 180, 2018.
80. The CHIME/FRB Collaboration, “The CHIME Fast Radio Burst Project System Overview,” *Astrophys. J.*, 863, 48, 2018. (51 authors; **Kaspi, V. M.** corresponding author)
81. Gajjar, V. et al. “Highest Frequency Detection of FRB 121102 at 4-8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope,” *Astrophys. J.*, 863, 2, 2018.
82. \* Parent, E., **Kaspi, V. M.**, et al. “The Implementation of a Fast-folding Pipeline for Long-period Pulsar Searching in the PALFA Survey,” *Astrophys. J.*, 861, 44, 2018. (34 authors)
83. Lynch, R. et al. “The Green Bank North Celestial Cap Pulsar Survey. III. 45 New Pulsar Timing Solutions,” *Astrophys. J.*, 859, 93, 2018. (40 authors)
84. Arzoumanian et al. “The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background,” *Astrophys. J.*, 859, 47, 2018. (62 authors)
85. An, H., Cumming, A., **Kaspi, V. M.** “Flux Relaxation after Two Outbursts of the Magnetar SGR 162741 and Possible Hard X-Ray Emission,” *Astrophys. J.*, 859, 16.
86. Kawash, A. M. et al. “The Green Bank Northern Celestial Cap Pulsar Survey. II. The Discovery and Timing of 10 Pulsars,” *Astrophys. J.*, 857, 131, 2018. (44 authors)
87. Camilo, F. et al. “Revival of the Magnetar PSR J1622-4950: Observations with MeerKAT, Parkes, XMM-Newton, Swift, Chandra, and NuSTAR,” *Astrophys. J.*, 856, 180, 2018. (206 authors)

88. Stovall, K. et al. “PALFA Discovery of a Highly Relativistic Double Neutron Star Binary,” *Astrophys. J. Letters*, 84, L22, 2018. (35 authors)
89. Michilli, D. et al. “An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102,” *Nature*, 553, 182, 2018. (34 authors)
90. \* Ferdman, R. D., Archibald, R. F., Gourgouliatos, K. N., **Kaspi, V. M.**, “The Glitches and Rotational History of the Highly Energetic Young Pulsar PSR J0537–6910,” *Astrophys. J.*, 852, 123, 2018.
91. Younes, G., Baring, M. G., Kouveliotou, C., Harding, A., Donovan, S., Göğüs, E., **Kaspi, V. M.**, Granot, J. “The Sleeping Monster: NuSTAR Observations of SGR 1806–20, 11 Years After the Giant Flare,” *Astrophys. J.*, 851, 17, 2017.
92. Law, C. et al. “A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population,” *Astrophys. J.*, 850, 76, 2017. (36 authors)
93. \* Archibald, R. F., Burgay, M., Lyutikov, M., **Kaspi, V. M.**, Esposito, P., Israel, G., Kerr, M., Possenti, A., Rea, N., Sarkissian, J., Scholz, P., Tendulkar, S. P., “Magnetar-like X-Ray Bursts Suppress Pulsar Radio Emission,” *Astrophys. J.*, 849, L20, 2017.
94. Scholz, P. et al. “Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102,” *Astrophys. J.*, 846, 80, 2017. (22 authors)
95. **Kaspi, V. M.** & Beloborodov, A. “Magnetars,” *Ann. Rev. Astron. Astrophys.*, 55, 261 2017.
96. \* Chawla, P., **Kaspi, V. M.**, Joseph, A., et al. “A Search for Fast Radio Bursts with the GBNCC Pulsar Survey,” *Astrophys. J.*, 844, 140, 2017. (20 authors)
97. Bassa, C. G. et al. “FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy,” *Astrophys. J.*, 843, L8, 2017.
98. \* Tendulkar, S. P., **Kaspi, V. M.**, Archibald, R. F., Scholz, P. “A Near-infrared Counterpart of 2E1613.5-5053: The Central Source in Supernova Remnant RCW103,” *Astrophys. J.*, 841, 11, 2017.
99. Chatterjee, S. et al. “Direct localization of a fast radio burst and its enigmatic counterpart,” *Nature*, 541, 58, 2017. (25 authors)
100. Marcote, B. et al. “The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales,” *Astrophys. J. Letters*, 834, L8, 2017. (29 authors)
101. \* Tendulkar, S. et al. “The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102,” *Astrophys. J. Letters*, 834, L7, 2017. (24 authors)
102. \* Archibald, R. F., **Kaspi, V. M.**, Scholz, P., Beardmore, A. P., Gehrels, N., Kennea, J. A., “*Swift* observations of two outbursts from the magnetar 4U 0142+61,” *Astrophys. J.*, 834, 163, 2017.
103. Lyne, A. G. et al. “Timing of 29 Pulsars Discovered in the PALFA Survey,” *Astrophys. J.*, 834, 137, 2017. (41 authors)
104. Lyne, A. G. et al. “Two long-term intermittent pulsars discovered in the PALFA Survey,” *Astrophys. J.*, 834, 72, 2017. (34 authors)
105. Guillot, S., **Kaspi, V. M.**, et al. “The *NuSTAR* view of the non-thermal emission from PSR J0437–4715,” *MNRAS*, 463, 2612, 2016. (14 authors)



106. Stovall, K. et al. “Timing of Five PALFA-discovered Millisecond Pulsars,” *Astrophys. J.*, 833, 192, 2016. (35 authors)
107. \* Scholz, P., et al. “The Repeating Fast Radio Burst FRB 121102: Multi-wavelength Observations and Additional Bursts,” *Astrophys. J.*, 833, 177, 2016. (24 authors)
108. Lazarus, P. et al. “Einstein@Home Discovery of a Double Neutron Star Binary in the PALFA Survey,” *Astrophys. J.*, 831, 150, 2016.
109. \* Yang, C., Archibald, R. F., Vogel, J. K., An, H., **Kaspi, V. M.**, Guillot, S., Beloborodov, A. M., Pivovarov, M. “*NuSTAR* Observations of Magnetar 1E 1048.1–5937,” *Astrophys. J.*, 831, 80, 2016.
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112. Arzoumanian, Z. et al. “The NANOGrav Nine-year Data Set: Limits on the Isotropic Stochastic Gravitational Wave Background,” *Astrophys. J.*, 821, 13, 2016. (51 authors)
113. Spitler, L., Scholz, P., et al. “A Repeating Fast Radio Burst,” *Nature*, 531, 202, 2016. (24 authors)
114. \* Archibald, R. F., Gotthelf, E. V., Ferdman, R. D., **Kaspi, V. M.**, Guillot, S., Harrison, F. A., Keane, E. F., Pivovarov, M. J., Stern, D., Tendulkar, S. P., Tomsick, J. A., “A High Braking Index for a Pulsar,” *Astrophys. J.*, 819, L16, 2016.
115. \* Chen, G., An, H., **Kaspi, V. M.**, Harrison, F. A., Madsen, K. K., Stern, D. “*NuSTAR* Observations of the Young, Energetic Radio Pulsar PSR B1509–58,” *Astrophys. J.*, 817, 93, 2016.
116. Arzoumanian, Z. et al. “The NANOGrav Nine-year Data Set: Observations, Arrival Time Measurements, and Analysis of 37 Millisecond Pulsars,” *Astrophys. J.*, 813, 65, 2015. (44 authors)
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#### Book Contributions:

1. **Kaspi, V. M.**, Roberts, M. S. E., Harding, A. K. “Isolated Neutron Stars,” Chapter 8 in “Compact Stellar X-ray Sources,” eds. W. H. G. Lewin and M. van der Klis, Cambridge University Press, 2006.
2. Co-author of “Priorities in Space Science Enabled by Nuclear Power and Propulsion,” U.S. National Academies Press, 2006.

#### Other Publications:

1. **Kaspi, V. M.** Introduction to Essay “The Emergence of Intelligent Life in the Universe” by Fred Hoyle, *With the World to Choose From: Celebrating Seven Decades of the Beatty Lecture at McGill University*, Eds. B. Hooton, R. Koning, M. Thurston, McGill–Queen’s Press, 2021.
2. **Kaspi, V. M.** “Focus on Latest Results on Fast Radio Bursts,” Introduction to AAS Focus Issue on Fast Radio Bursts, June 2021.
3. **Kaspi, V. M.** “A Fast Radio Boom,” Perspective Article, *Science*, December 9, 2016 issue.
4. **Kaspi, V. M.** “Astro Confidential: Getting to know Victoria M. Kaspi,” *Astronomy Magazine*, April 2012 issue.
5. **Kaspi, V. M.** Answer on neutron star magnetism in “Ask Astro,” *Astronomy Magazine*, October 2011 issue.
6. **Kaspi, V. M.** “Explore the Pulsar Menagerie,” *Astronomy Magazine*, October 2010 issue.
7. **Kaspi, V. M.** “Review of *Rotation and Accretion Powered Pulsars* by Pranab Ghosh,” *Classical & Quantum Gravity*, 25, 059001, 2008.

8. **Kaspi, V. M.** “Stardom and honours first eluded astrology (SIC) student,” Op-Ed article, Montreal Gazette, July 23, 2007.
9. **Kaspi, V. M.** “Millisecond Pulsars: Time-Keepers of the Cosmos,” *Sky & Telescope*, April issue, 18–23, 1995.
10. **Kaspi, V. M.** “Is *Fundamentals of Physics* Too Violent?” *Physics Today*, March issue, 128–131, 1995.

**Teaching:**

2023	McGill	Co-Lecturer	PHYS 644: Galaxies & Cosmology
2022	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2021	McGill	Co-Lecturer	PHYS 644: Galaxies & Cosmology
2021	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2020	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2019	McGill	Co-Lecturer	PHYS 644: Galaxies & Cosmology
2019	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2018	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2017	McGill	Co-Lecturer	PHYS 645: High Energy Astrophysics
2017	McGill	Lecturer	PHYS 183: Milky Way Inside and Out
2015	McGill	Team Lecturer	PHYS 645: High Energy Astrophysics
2014	McGill	Lecturer	PHYS 214: Introduction to Astrophysics
2013	McGill	Lecturer	PHYS 214: Introduction to Astrophysics
2013	McGill	Seminar Leader	PHYS 632: Compact Objects & Gravitational Waves
2012	McGill	Team Lecturer	PHYS 641: Modern Observational Astrophysics
2012	McGill	Lecturer	PHYS 214: Introduction to Astrophysics
2012	McGill	Lecturer	PHYS 645: High Energy Astrophysics
2010	McGill	Team Lecturer	PHYS 641: Modern Observational Astrophysics
2009	McGill	Lecturer	PHYS 521: Astrophysics Text: <i>An Introduction to Modern Astrophysics</i> by B. W. Carroll & D. A. Ostlie
2009	McGill	Lecturer	PHYS 242: Electricity & Magnetism Text: <i>Introduction to Electrodynamics</i> by D. J. Griffiths
2008	McGill	Team Lecturer	PHYS 641: Modern Observational Astrophysics
2008	McGill	Team Lecturer	PHYS 645: High Energy Astrophysics
2008	McGill	Lecturer	PHYS 242: Electricity & Magnetism Text: <i>Introduction to Electrodynamics</i> by D. J. Griffiths
2007	McGill	Team Lecturer	PHYS 641: Modern Observational Astrophysics
2007	McGill	Lecturer	PHYS 242: Electricity & Magnetism Text: <i>Electricity and Magnetism</i> by W. J. Duffin
2006	McGill	Lecturer	PHYS 242: Electricity & Magnetism Text: <i>Electricity and Magnetism</i>

			by W. J. Duffin
2005	McGill	Seminar Co-Leader	PHYS 614: Topics in Astrophysics Review articles on black holes
2003	McGill	Seminar Leader	198-614B: Topics in Astrophysics Review articles, recent papers
2002	McGill	Seminar Leader	198-607B: Topics in Astrophysics Review articles, recent papers
2001-3	McGill	Lecturer	198-204B: Planets, Stars & Galaxies Text: <i>The Universe Revealed</i> by Impey & Hartmann
2001	McGill	Lecturer	198-521A: Astrophysics Text: <i>Astrophysics I</i> by Bowers & Deeming
2000	MIT	Instructor	Physics 8.02: Electricity and Magnetism
1998,9	MIT	Lecturer	Physics 8.03: Waves and Oscillations Texts: <i>Vibrations and Waves</i> by French, <i>Electromagnetic Vibrations, Waves,</i> <i>and Radiation</i> by Bekefi & Barrett
1999	MIT	Instructor	Physics 8.02: Electricity and Magnetism
1998	MIT	Instructor	Physics 8.02X: Electricity and Magnetism
1997	MIT	Instructor	Physics 8.03: Waves and Oscillations
1994	Princeton	Instructor	Physics 103: Electricity & Magnetism Text: <i>Fundamentals of Physics</i> by Halliday, Resnick & Walker

(Note: An “Instructor” leads recitations at MIT. A “Lecturer” is the leader of the course who gives main lectures to the entire class.)

### Student and Postdoctoral Fellow Supervision:

#### Undergraduate Student Supervision:

2024-25	McGill	Chloe Legue, Honours Thesis <i>Searching for Repeating FRB Bursts in CHIME/Pulsar Data</i>
2024-25	McGill	Laurent Tarabout, Honours Thesis <i>A Fast Folding Algorithm for CHAMPSS</i>
2023-24	McGill	Sloane Sirota, Honours Thesis <i>CHIME/FRB Catalog 2 Data</i>
2023-24	McGill	Abigail Denney, Honours Thesis (co-supervised with R. Main) <i>Timing High Magnetic Field Pulsars with CHIME Slow Pulsar Search Data</i>
2023	McGill	Sloane Sirota, Summer Student (co-supervised with A. Curtin) <i>Searching for FRB/GRB Counterparts</i>
2023	McGill	Abigail Denney, Summer Student (co-supervised with R. Main) <i>Visualizing the CHIME/FRB Slow Pulsar Search</i>
2023	McGill	Tal Sharoni, Summer Student (co-supervised with S. Brar) <i>CHIME/FRB Instrument Health Monitoring</i>
2022-23	McGill	Jenny Su, Senior Thesis <i>Comparison of Repeating and Non-Repeating Fast Radio Burst Events Detected</i>

2022	McGill	Avinash Sookram, Summer Student (co-supervised with C. Tan) <i>Visualizing the CHIME/FRB Slow Pulsar Search</i>
2022	McGill	Magnus L'Argent, Summer Student (co-supervised with C. Tan) <i>Visualizing the CHIME/FRB Slow Pulsar Search</i>
2022	McGill	Jenny Su, Summer Student (co-supervised with R. Mckinven) <i>Polarimetry of FRBs with CHIME/FRB</i>
2022	McGill	Camryn Mullin, Summer Student (co-supervised with Z. Pleunis) <i>Pulsar Timing with CHIME/FRB</i>
2022	McGill	Camryn Mullin, PHYS 396 Research Student (co-supervised with Z. Pleunis) <i>Studying Galactic Radio Pulsars using CHIME/FRB</i>
2022	McGill	Jenny Su, PHYS 396 Research Student (co-supervised with R. Mckinven) <i>Understanding Unpolarized FRBs using CHIME/FRB Baseband data</i>
2021	McGill	Jeffrey Morais, Research Student (co-supervised with A. Pearlman) <i>Searching for FRBs from M81</i>
2021-22	McGill	Mattias Lazda, Senior Thesis (co-supervised with A. Lanman) <i>Offline Beam Forming with CHIME/FRB Outriggers</i>
2021	McGill	Camryn Mullin, Summer Student (co-supervised with Z. Pleunis) <i>Spectral Extent of CHIME/FRB Sources using Multiple Beams</i>
2021	McGill	Mattias Lazda, Summer Student (co-supervised with A. Lanman) <i>Using Delay Rate for Source Localization with CHIME/FRB Outriggers</i>
2021	McGill	Yulia Shpunarska, Summer Student (co-supervised with D. Michilli) <i>Calibrating CHIME Baseband Data</i>
2020	McGill	Itamar Aharony, Summer Student (co-supervised with C. Tan) <i>Searching for Radio Pulsars using CHIME</i>
2020	McGill	Daniela Breitman, Summer Student <i>Statistics of Repeating Fast Radio Burst Sources</i>
2020	McGill	Mathieu Bruneault, Summer Student (co-supervised with D. Michilli) <i>Calibrating CHIME/FRB Baseband Localizations Using Pulsars</i>
2020	McGill	Harper Sewalls, Summer Student (co-supervised with E. Parent) <i>Timing of PALFA Pulsars</i>
2019	McGill	Harper Sewalls, PHYS 396 Research Student (co-supervised with S. Tendulka) <i>Searching for FRBs in Radio Sources in Dwarf Galaxies</i>
2019-20	McGill	Daniela Breitman, Honours Research Thesis <i>Statistics of Repeating Fast Radio Burst Sources</i>
2019-20	McGill	Mathieu Bruneault, Honours Research Thesis <i>Calibrating CHIME/FRB Baseband Localizations Using Pulsars</i>
2019	McGill	Jakob Faber, Summer Student <i>Fitting Structure in Fast Radio Burst Profiles</i>
2018	McGill	Prashant Shukla, Summer Student <i>Characterizing CHIME/FRB Fast Radio Bursts</i>
2018	McGill	Ian Benlolo, Summer Student <i>Characterizing CHIME/FRB Fast Radio Bursts</i>
2018	McGill	Mathieu Bruneault, Summer Student <i>The CHIME/FRB Public Website</i>
2018-19	McGill	Daniela Breitman, PHYS 396 Research Student <i>Using Pulsars to Monitor the Health of the CHIME/FRB System</i>
2018-19	McGill	Ian Benlolo, PHYS 489 Research Student

2018-19	McGill	<i>Radio Frequency Interference in CHIME/FRB data</i> Amanda Cook, Research Student
2018-19	McGill	<i>Searching for Magnetars in CHIME/FRB data</i> Charles Moatti, Research Student
2018	McGill	<i>The Impact of Airplanes on CHIME/FRB</i> Filipe Rodrigues, Summer Student
2018	McGill	<i>The CHIME/FRB Pipeline</i> Daniela Breitman, Summer Student
2018	McGill	<i>The CHIME/FRB Pipeline</i> Charles Moatti, Summer Student
2017	McGill	<i>The CHIME/FRB Pipeline</i> Stella Ocker, Summer Student
2017	McGill	<i>Burst Statistics for the Repeating FRB</i> Haoran Liu, Summer Student
2017	McGill	<i>Comparing FRB Search Algorithms</i> Mie Beers, Summer Student
2017	McGill	<i>Single Pulse Searching in GBNCC</i> Jatin Chowdhury, Summer Student
2016	McGill	<i>Estimating Burst Fluxes in CHIME</i> Stella Ocker, Summer Student
2016	McGill	<i>Searching for Hydrogen Absorption in the Repeating FRB</i> Mariya Krestiva, Summer Student
2016	McGill	<i>Calibrating the Sensitivity of the PALFA Fast Folding Algorithm</i> Shenyang Huang, Summer Student
2016	McGill	<i>Mitigating RFI in the CHIME FRB Pipeline</i> Ge Chen, Summer Student
2015	McGill	<i>NuSTAR Observations of PSR B1509–58</i> Kays Haddad, Summer Student
2015	McGill	<i>X-ray Bursts in Archival RXTE Data</i> Emilie Parent, Summer Student
2015	McGill	<i>Using the Fast Folding Algorithm in Pulsar Searching</i> Alex Josephy, Summer Student
2015	McGill	<i>Efficiency and Efficacy of the Tree Dedispersion Algorithm</i> Ge Chen, U3 Honours Physics Research Project
2014-15	McGill	<i>XMM Observations of a High-B Pulsar</i> Kelly Gourджи, U3 Undergraduate Research Project
2014	McGill	<i>Comparing RRAT Bursts and Radio Pulsar Pulses</i> Ge Chen, Summer Student
2014	McGill	<i>NuSTAR Observations of Pulsars</i> Kelly Gourджи, Summer Student
2013,14	McGill	<i>Characterizing Bursts from Rotating Radio Transients</i> Felix Dumont, Summer Student
2013	McGill	<i>Detecting Rotating Radio Transients in GBNCC Data</i> Jacob Lambert, Summer Student
2013	McGill	<i>Testing Simple Astrophysics Lab Projects</i> Pericles Philippopoulos, Summer Student
2012	McGill	<i>XMM-Newton Observations of PSR B1937+21</i>

2012	McGill	Alina Chen He, Summer Student <i>Search for Correlation between Pulsar DM and <math>N_H</math></i>
2011-12	McGill	Alina Chen He, U3 Honours Physics Research Project <i>Search for Correlation between Pulsar DM and <math>N_H</math></i>
2011	McGill	Hugo Ferretti, Summer Student <i>Simulations of Extragalactic Pulsar Populations</i>
2011	McGill	Robert Archibald, Summer Student <i>Searching for HESS TeV Counterparts in RXTE Data</i>
2011	McGill	Chen Karako, Summer Student <i>Searching for RRATs in GBT Driftscan Data</i>
2011	McGill	Alina Chen He, Summer Student <i>Searching for ‘Anti-Magnetars’ in Old Pulsars with Chandra</i>
2010	McGill	Pierre Hans Corcoran, U3 489 Special Research Project <i>Preparation and Examination of the McGill Small Radio Telescope</i>
2010	McGill	Chen Karako, U3 Honours Physics Research Project <i>Searching for RRATs in Green Bank Driftscan Survey Data</i>
2010	McGill	Paul Scholz, Summer Student <i>Observations of Magnetars with NASA’s Swift Telescope</i>
2009	McGill	Julian Haw Far Chin, NSERC Summer Student <i>Searching for Pulses from an Isolated Neutron Star</i>
2009	McGill	Abel Beyene, Workstudy Summer Student <i>Studies of Anomalous X-ray Pulsar Bursts</i> <i>Searching for a Variable Anomalous X-ray Pulsar</i> <i>Searching for a Variable Anomalous X-ray Pulsar</i>
1997–2000	MIT	Jessica Lu (nee Lackey), BSc in Physics Thesis: <i>Monitoring Anomalous X-ray Pulsars with RXTE</i> (Best Astrophysics Undergraduate Thesis at MIT in 2000); also <i>EGRET/<math>\gamma</math>-ray observations of PSRs J1105–6107 and B1046–58</i>
1999	MIT	Richard Chen, Summer Student <i>ASCA pulsar data analysis</i>
1999	MIT	Jacqueline Wong, Summer Student <i>Analysis of Archival EGRET data</i>
1998	MIT	Gabe Weinberg, Sophomore Physics Major <i>Study of Sensitivity of Parkes Multibeam Survey</i>
1997	MIT	Ahren Lembke-Windler, Sophomore Physics Major <i>Summary of optical observations of radio pulsars</i>

**Graduate Student Supervision:**

2024-	McGill	Daniel Amouyal, Candidate for MSc in Physics <i>Baseband Analysis for CHIME/FRB Catalog 2</i>
2024-	McGill	Kyle McGregor, Candidate for MSc in Physics, co-supervised with J. Hessels <i>Injection Analysis for CHIME/FRB</i>
2024-	McGill	Wenky Xia, Candidate for MSc in Physics, co-supervised with J. Hessels <i>VOEvents for CHIME/FRB</i>
2024-	McGill	Nicole Mulyk, Candidate for MSc in Physics, co-supervised with J. Hessels <i>Baseband Analysis for CHIME/FRB Catalog 2</i>

2023-	McGill	Thomas Abbott, Candidate for MSc in Physics <i>VOEvents for CHIME/FRB</i>
2023-	McGill	Magnus L'Argent, Candidate for MSc in Physics <i>Timing of CHIME Slow Pulsar Search Candidates</i>
2023-	McGill	Naman Jain, Candidate for MSc in Physics <i>Sensitivity Threshold for CHIME/FRB</i>
2023-	McGill	Vishwangi Shah, Candidate for PhD in Physics <i>CHIME/FRB Outriggers and KKO Follow-Up</i>
2021-3	McGill	Vishwangi Shah, Candidate for MSc in Physics <i>Online Beamforming for CHIME/FRB Outriggers</i>
2021-	McGill	Bridget Andersen, Candidate for PhD in Physics <i>CHIME/FRB Outriggers and Follow-Up</i>
2021	McGill	Qing Hao Xu, Candidate for MSc in Physics <i>Dedispersion in CHIME/FRB Slow Pulsar Search</i>
2021-	McGill	Ketan Sand, Candidate for MSc in Physics <i>Optimizing CHIME/FRB Detection</i>
2019-21	McGill	Alice Curtin, Candidate for MSc in Physics <i>CHIME/FRB RFI Mitigation Statistics</i>
2019-21	McGill	Andrew Sikora , Candidate for MSc in Physics <i>Observations of CHIME/FRB Repeaters with CHIME/Pulsar</i>
2018-21	McGill	Bridget Andersen, Candidate for MSc in Physics <i>Flux Calibration in CHIME/FRB</i>
2018-20	McGill	Andrew Zwaniga, Candidate for MSc in Physics <i>Alerting the Community of CHIME/FRB Events</i>
2018-20	McGill	Marcus Merryfield, Candidate for MSc in Physics <i>CHIME Detection Pipeline</i>
2018-	McGill	Alex Josephy, Candidate for PhD in Physics <i>CHIME Detection Pipeline</i>
2017-	McGill	Mohit Bhardwaj, Candidate for PhD in Physics <i>CHIME Beam Calibration</i> (co-supervised with M.Dobbs)
2017-21	McGill	Emilie Parent, Candidate for PhD in Physics <i>PALFA Millisecond Pulsar Timing</i>
2017-21	McGill	Pragya Chawla, Candidate for PhD in Physics <i>Population Synthesis Studies of Fast Radio Bursts</i>
2016-20	McGill	Ziggy Pleunis, Candidate for PhD in Physics <i>Detecting Fast Radio Bursts with CHIME</i>
2015-18	McGill	Alex Josephy, Candidate for MSc in Physics <i>High Performance Dedispersion Algorithms</i>
2015-17	McGill	Pragya Chawla, Candidate for MSc in Physics <i>Searching for Rotating Radio Transients and Fast Radio Bursts</i>
2015-17	McGill	Emilie Parent, Candidate for MSc in Physics <i>Fast Folding Algorithm for the PALFA Survey</i>
2014-16	McGill	Chitrang Patel, Candidate for MSc in Physics <i>Radio Observations of Pulsars</i>
2013-14	McGill	Chengwei Yang, Exchange PhD in Physics <i>X-ray Observations of Millisecond Pulsars</i>
2013-16	McGill	Erik Madsen, Candidate for PhD in Physics

		<i>Radio Observations of Pulsars</i>
2013-17	McGill	Robert Archibald, Candidate for PhD in Physics <i>Swift Monitoring of Magnetars</i>
2012-14	McGill	Chen Karako, Candidate for MSc in Physics <i>Searching for RRATs in Green Bank Driftscan Survey Data</i>
2011-13	McGill	Robert Archibald, Candidate for MSc in Physics <i>Swift Monitoring of Magnetars</i>
2010-16	McGill	Paul Scholz, Candidate for PhD in Physics <i>Observations of Magnetars</i>
2009-13	McGill	François Dufour, Candidate for MSc in Physics <i>Searching for <math>44\text{Ti}</math> in NuSTAR data</i>
2008-14	McGill	Scott Olausen, Candidate for PhD in Physics <i>The X-ray Emission and Population of Highly Magnetized Neutron Stars</i>
2008-10	McGill	Patrick Lazarus, Candidate for MSc in Physics <i>The Arecibo L-Band Feed Array Pulsar Survey</i>
2007-13	McGill	Anne Archibald, Candidate for PhD in Physics <i>Sensitive Searches for Radio Pulsars</i>
2006-11	McGill	Weiwei Zhu, Candidate for PhD in Physics <i>X-ray Observations of Magnetars</i>
2005-10	McGill	Margaret Livingstone, Candidate for PhD in Physics <i>Timing Observations of Young Rotation-Powered Pulsars</i>
2003-8	McGill	Marjorie Gonzalez, Candidate for PhD in Physics <i>X-ray Observations of Young Neutron Stars</i>
2003-9	McGill	Rene Breton, Candidate for PhD in Physics <i>Studies of Binary Pulsars</i>
2003-9	McGill	Rim Dib, Candidate for PhD in Physics <i>RXTE Monitoring of 5 Anomalous X-ray Pulsars</i>
2003-5	McGill	Margaret Livingstone, Candidate for MSc in Physics <i>Effects of Timing Noise on Radio Pulsar Spin Parameters</i>
2002-3	McGill	Rim Dib, Masters in Physics (Awarded December 2003) <i>Search for Millisecond X-ray Pulsations in <math>4\text{U } 1820-11</math></i>
2002-4	McGill	Cindy Tam, Candidate for Masters in Physics <i>Radio Imaging of the Historic Supernova Remnant <math>G11.2-0.3</math> and Infrared Observations of Anomalous X-ray Pulsars</i>
2001-6	McGill	Jason Hessels, Candidate for PhD in Physics <i>Searches for Radio Pulsars in Globular Clusters</i> <i>Won Canadian Association for Graduate Studies Dissertation Award</i>
2001-6	McGill	Fotis Gavriil, Candidate for PhD in Physics <i>Magnetar-Like X-ray Bursts from Anomalous X-ray Pulsars</i>
2000-1	McGill	Fotis Gavriil, Masters in Physics (Awarded June 2001) Masters Thesis: <i>Rossi X-ray Timing Explorer Monitoring of Anomalous X-ray Pulsars</i>
1997-2000	MIT	Fronefield Crawford, PhD in Physics (Awarded June 2000) Thesis: <i>Searches for and Follow-up Studies of Southern Radio Pulsars</i>
1997-2000	MIT	Mike Pivovarov, PhD in Physics (Awarded June 2000) (co-supervised with Dr. G. Ricker) Thesis: <i>X-ray Astronomy with CCDs: Calibration of the Advanced</i>



1997–1999 MIT *CCD Spectrometer and Observations of Rotation-powered Pulsars*  
 Julia Steinberger, Physics Graduate Student  
*Search for Anomalous X-ray Pulsars, Long-term Timing of Anomalous X-Ray Pulsars, RXTE Observations of PSR J1105–6107*

### Postdoctoral Fellow Supervision:

2024- McGill Dr. Mason Ng  
*X-ray Follow-up of Fast Radio Bursts*

2023- McGill Dr. Mawson Sammons (co-supervised by M. Dobbs, J. Sievers)  
*Fast Radio Bursts and CHIME/FRB*

2023- McGill Dr. Robert Main  
*CHIME Slow Pulsar Search*

2022- McGill Dr. Ryan Mckinven  
*CHIME/FRB Polarization*

2021- McGill Dr. Aaron Pearlman  
*CHIME/FRB Outriggers and Repeater Follow-up*

2020-22 McGill Dr. Emily Petroff  
*CHIME/FRB Data Analysis and Management*

2020-21 McGill Dr. Ziggy Pleunis  
*Operation of CHIME/FRB and its Outriggers*

2019-23 McGill Dr. Adam Lanman, Postdoc (co-supervised with M. Dobbs)  
*Development of CHIME/FRB Outriggers*

2019-23 McGill Dr. Chia Min Tan, Postdoc  
*Development of a Slow Pulsar Search with CHIME*

2018-21 McGill Dr. Daniele Michilli, Postdoc  
*Polarization observations of FRBs with CHIME/FRB*

2016-18 McGill Dr. Melania Nynka, Postdoc (co-supervised with D. Haggard)  
*Observations of Neutron Stars with NICER*

2016-19 McGill Dr. Vanessa Graber, Postdoc (co-supervised with A. Cumming)  
*Neutron-star Interiors*

2016-19 McGill Dr. Arun Naidu, Instrumentation Postdoc  
*Timing Pulsars with CHIME*

2016-20 McGill Dr. Emmanuel Fonseca, Postdoc  
*CHIME, Pulsars and Fast Radio Bursts*

2015-19 McGill Dr. Shriharsh Tendulkar, Postdoc  
*Algorithms for Detection of Fast Radio Bursts*

2012-15 McGill Dr. David Tsang, Postdoc (co-supervised with A. Cumming)  
*Theoretical Problems in Astrophysics*

2012-17 McGill Dr. Robert Ferdman, Postdoc  
*Radio Pulsar Searching and Timing*

2012-14 McGill Dr. Kostas Gourgouliatos, Postdoc (co-supervised with A. Cumming)  
*Theoretical Problems in Astrophysics*

2011-14 McGill Dr. Hongjun An, Postdoc  
*NuSTAR Observations of Magnetars and Pulsars*

2011-14 McGill Dr. Ryan Lynch, Postdoc  
*PALFA and GBNCC Radio Pulsar Searches*

2010-13	McGill	Dr. Antoine Bouchard, Postdoc <i>Pulsar Searches with the Australia Square Kilometer Array Pathfinder</i>
2010-11	McGill	Dr. Margaret Livingstone, Postdoc <i>Timing Observations of High-B Neutron Stars</i>
2009-12	McGill	Dr. Stephen Ng, Tomlinson and CRAQ Postdoctoral Fellow <i>X-ray and Radio Imaging Observations of Young Neutron Stars</i>
2009-12	McGill	Dr. Rim Dib, Part-time Postdoc <i>RXTE Monitoring of Anomalous X-ray Pulsars</i>
2008-11	McGill	Dr. Slavko Bogdanov, CIFAR Junior Postdoctoral Fellow <i>PALFA Pulsar Survey</i>
2007-8	McGill	Dr. Cees Bassa, Postdoc <i>Optical and Infrared Observations of Neutron Stars</i>
2006-9	McGill	Dr. Zhongxiang Wang, Postdoc <i>Optical and Infrared Observations of Neutron Stars</i>
2005-7	McGill	Dr. David Champion, Postdoc <i>The Arecibo L-Band Feed Array Pulsar Survey</i>
2001-4	McGill	Dr. Scott Ransom, Tomlinson Postdoctoral Fellow <i>Searches for Radio Pulsars in Globular Clusters</i> <i>National Radio Astronomy Observatory, US)</i>
2000-5	McGill	Dr. Mallory Roberts, Quebec Merit Postdoctoral Fellow <i>Radio and X-ray Imaging of Rotation-Powered Pulsars</i>
2000-3	McGill	Dr. Maxim Lyutikov, CITA National Postdoctoral Fellow <i>Rotation-Powered Pulsars, Pulsar Wind Nebulae, Magnetars,</i> <i>Gamma Ray Bursts (Theory)</i>
1997-2000	MIT	Dr. Bryan Gaensler, Hubble Postdoctoral Fellow <i>Radio and X-ray Imaging of Rotation-Powered Pulsars</i>

**Research Grants (for Co-I grant percentage applicable is indicated):**

2022-27	PI, NSERC Discovery Grant “Observations of Neutron Stars,” (\$75K per year)
2020-25	PI, Gordon & Betty Moore Foundation “Construction and Commissioning of CHIME/FRB Outriggers Supplement,” (\$2.04M)
2020-24	PI, Gordon & Betty Moore Foundation “Construction and Commissioning of CHIME/FRB Outriggers,” (\$4.68M)
2020-23	PI, Gordon & Betty Moore Foundation “Design Study of CHIME/FRB Outriggers – supplement,” (\$0.32M)
2019-23	PI, Gordon & Betty Moore Foundation “Design Study of CHIME/FRB Outriggers,” (\$3.4M)
2018-20	PI, Gordon & Betty Moore Foundation “Design Study of CHIME/FRB Outriggers,” (\$300K)
2017-25	Co-I, Canada Foundation For Innovation Call 9 “Unlocking the Radio Sky with Next-Generation Survey Astronomy,” (\$9.4M, ~13% )
2016-21	PI, Canada Foundation For Innovation Call 8 “Detecting Fast Radio Transients with the CHIME Telescope,” (\$5.6M )
2016-21	PI, NSERC Herzberg Award “Neutron Stars and Fast Radio Transients,” (\$100K per year)

- 2014–15 PI, NSERC Research Tools & Infrastructure  
“Pulsar Processor for the CHIME Telescope,” (\$128,776K )
- 2013–16 PI, NSERC Accelerator Supplement  
“Observations of Neutron Stars,” (\$40K per year)
- 2013–21 PI, NSERC Discovery Grant  
“Observations of Neutron Stars,” (\$100K per year)
- 2011–13 PI, NSERC John C. Polanyi Award  
“Observations of Neutron Stars,” (\$250K)
- 2009–11 Co-I, CANARIE Network-Enabled Platforms Program  
“Designing and Creating Cyber-SKA Canada,” (\$2058K, 11%)
- 2008–11 Co-I, NSERC Special Research Opportunity Grant  
“Canadian Participation in the Square Kilometer Array,” (\$414K per year, 15%)
- 2008–13 PI, NSERC Discovery Grant  
“Pulsars Young and Old: The Physics of Neutron Stars,” (\$78K per year)
- 2008–14 Co-I, FQRNT Regroupement Stratégique:  
“Centre de Recherche Astrophysique du Québec,” (\$370K per year, ~5%)  
(with Université de Montréal and Université Laval)
- 2007–9 PI, CSA Discipline Working Group  
“Disciplinary Working Group in High Energy Astrophysics,” (\$10K per year)
- 2004–5 PI, CFI Career Award  
“Searching for Pulsars with the Arecibo L-Band Feed Array,” (\$439K total)
- 2004–5 PI, NSERC Steacie Supplement  
“Searching for Pulsars with the Arecibo L-Band Feed Array,” (\$112K per year)
- 2004–8 PI, NSERC Discovery Grant  
“Observations of Neutron Stars,” (\$80K per year)
- 2002–7 Co-I, FQRNT Regroupement Stratégique:  
Observatoire du Mont Mégantic (\$370K per year, ~10%)  
(with Université de Montréal and Université Laval)
- 2001 PI, Canadian Foundation for Innovation Grant  
“A Multi-Purpose Pulsar Processor,” (\$334K total)
- 2001–4 Co-I, FCAR Team Grant  
“The study of high-energy processes in the Universe  
through radio, X-ray and gamma-ray observations,” (\$30K per year)
- 2000–3 PI, NSERC Research Grant  
“Astrophysics of Young Neutron Stars,” (\$49K per year)
- 2000–2 PI, *Chandra X-Ray Observatory* Research Grant  
“The Young, Energetic Radio Pulsar PSR B1509–58,” (USD \$44.7K)
- 2000–2 PI, *Chandra X-Ray Observatory* Research Grant  
“The Historic Supernova Remnant System G11.2–0.3,” (USD \$53.5K)
- 2000–2 PI, *Chandra X-Ray Observatory* Research Grant  
“The Historic Supernova Remnant System G11.2–0.3,” (USD \$53.5K)
- 2000–2 PI, *Chandra X-Ray Observatory* Research Grant  
“Chandra Observations of the Duck Pulsar,” (USD \$41K)
- 1999–2003 PI, US National Science Foundation CAREER Award  
“Astrophysics and Radio Pulsars:  
“From the Forefront to the Classroom,” (USD \$78K per year)
- 1998–2004 PI, NASA/*Long-Term Space Astrophysics Program*

- “Pulsar Wind Nebulae, Space Velocities,  
and Supernova Remnant Associations,” (USD \$48K per year)
- 1998–2002 Alfred P. Sloan Research Fellowship (USD \$35K)
- 1998 Ernest F. Fullam Award of the Dudley Observatory (USD \$10K)
- 1998 Co-I, NASA/*Rossi X-ray Timing Explorer* Research Grant  
“XTE Observations of PSR B1259–63 Near Apastron,” (USD \$3K)
- 1997 PI, NASA/*Compton Gamma-Ray Observatory* Research Grant  
“Pulsars in the Eta Carina Region,” (USD \$35K)
- 1997 Co-I, NASA/*Compton Gamma-Ray Observatory* Research Grant  
“EGRET Observations of Rotation Powered Pulsars,” (USD \$11K)
- 1997 PI, NASA/*Rossi X-ray Timing Explorer* Research Grant  
“The 63-ms Pulsar PSR J1105–6107,” (USD \$16K)
- 1997 Co-I, NASA/*Rossi X-Ray Timing Explorer* Research Grant  
“A Test of Spin Orbit Coupling in the 4U 0115+63 System,” (USD \$3K)
- 1996 PI, NASA/*Compton Gamma-Ray Observatory* Research Grant  
“Pulsars in the Eta Carina Region,” (USD \$16.5K)
- 1996 PI, NASA/*ASCA* Research Grant  
“The 63 ms Pulsar PSR J1105–6107,” (USD \$35.3K)
- 1996 PI, STScI/*Hubble Space Telescope* Research Grant  
“PSR B1718–19: A Clean RScVn System?” (USD \$24K)
- 1995 NSF-NRAO U.S.–Australia Collaborative Research Grant (USD \$1K)
- 1994 NSF-NRAO U.S.–Australia Collaborative Research Grant (USD \$1K)
- 1993 NSF-NRAO U.S.–Australia Collaborative Research Grant (USD \$1K)

### **Institutional Academic Activities:**

- Member, McGill Board of Governors, 2024-27
- Director, McGill Space Institute, 2015-
- Member, PhD Thesis Defense, Department of Physics, October 27, 2020
- Member, Department of Physics Mentoring and Employment Equity, 2020-
- Pro-Dean, PhD Thesis Defense, Faculty of Dentistry, Dec 3, 2020
- Member, PhD Thesis Committee, Joshua Montgomery, Oct 27, 2020
- Pro-Dean, PhD Thesis Defense, Department of Mining & Metallurgy, Nov 5, 2019
- Member, Department of Physics Equity Committee, 2019-20
- Member, Department of Physics Tenure Committee, 2017-8, 2018-9
- Member, Department of Physics Preliminary Exam Committee, 2016-7, 2017-8, 2018-9
- Member, Department of Physics Advisory Committee, 2016-7, 2017-8, 2018-9, 2019-20, 2020-21, 2021-22
- Member, PhD Thesis Defense, Department of Physics, October 4, 2018
- Pro-Dean, PhD Thesis Defense, Department of Electrical Engineering, July 19, 2018
- Panelist, Development “McGill in Space Event,” Vancouver BC, Calgary, AB, June 18, 19, 2018

- Member, Panel on Writing Successful CFI Grants, Faculty Club, June 14, 2018
- Member, Department of Physics Faculty Search Committee, Exoplanets, 2016-7, 2017-8
- Member, Department of Physics Faculty Search Committee, Cosmology, 2016-7
- Master of Ceremonies, Book Launch of “Ingenuous” by His Excellency the Right Honourable David Johnston, Governor General, Redpath Museum & Moyses Hall, May 25, 2017
- Member, Advisory Committee for the Selection of the Vice-Principal, Research and Innovation, 2016
- Associate Dean of Research and Graduate Education, Faculty of Science, 2013-2015
- Member, Task Force on International Academies, 2014-2015
- Member, Prizes and Awards Coordination Committee, 2013-2015
- Member, University Prizes and Awards Steering Committee, 2013-2015
- Organizer, *Telescopes of the Future: A Symposium in Honour of Lorne Trottier*, Apr 18, 2013
- Co-Chair, Department of Physics Mentoring and Employee Equity Committee, 2012-13
- Chair, Department of Physics Outreach Committee, 2012-13
- McGill Physics Department Tenure Committee, 2006–
- Co-Organizer, *McGill Space Day*, Mar 1, 2012
- McGill Academic Renewal, Hiring, Retention and Leadership Development Work Group, 2011-2012
- Invited presenter, Principal’s International Advisory Board, Feb 7, 2012
- McGill CFI Internal Proposal Review, 2011
- McGill Faculty of Science Internal Steacie Nomination Review Committee, 2007, 2008, 2009, 2010, 2011, 2012
- Judge, McGill Undergraduate Physics Research Poster Competition, 2011
- Pro-Dean, PhD Thesis Defense, Department of Political Science, McGill University, October 6, 2011
- Invited Panelist, Roundtable Discussion on “Confronting Pseudoscience,” Host Dr. Joe Schwartz, Oct 17, 2010
- McGill Physics Condensed Matter Hiring Committee, 2009-10
- Organizer, “Black Holes, New Worlds and the Universe: a 3-part Public Lecture Series in Honour of the International Year of Astronomy”, 2009
- McGill Physics Undergraduate Curriculum Committee, 2009
- Ambassador, McGill Campus Community Campaign, 2009–2012
- Judge, McGill Undergraduate Physics Research Poster Competition, 2008
- McGill Faculty of Science Strategic Advisory Committee for CFI Round VI, 2008
- Mission to India, Trip to Bangalore organized by Office of VP Research, Nov 25-29, 2006

- Chair, McGill Physics Department Mentoring and Equity Committee, 2006–8
- McGill Physics Departmental Advisory Committee, 2002–8
- McGill University Ad Hoc Work Group on Women Professors' Academic Careers, 2005–6
- Co-organizer, Trottier Symposium on “A Cosmic Coincidence: Why is the universe just right for life?” scheduled for January 25, 2007
- Organizer, Lecture Series on “Strings, Black Holes and Dark Energy: A Public Lecture Series on Cosmology and the High Energy Universe,” 2005-2006
- McGill Physics Equity Committee, 2000–2005
- McGill Physics Departmental Astrophysics Faculty Search Committee, 2001, 2002, 2003, 2004
- McGill University Leo Yaffe Award Committee, 2002, 2003, 2004
- Faculty of Sciences Convocation Host, Honorary PhD Recipient David H. Levy, June 5, 2003
- McGill Physics Department Preliminary Exam Committee, 2003
- Invited Panelist, *McGill in Space*, 2002
- McGill Physics Undergraduate Curriculum Committee, 2000–2003
- Co-organizer, Joint McGill/Université de Montréal Astrophysics Seminars, 2000–2003
- MIT Physics Department Colloquium Committee, 1997–1999
- MIT Astrophysics Tea and Journal Club Organizer, 1997–1999
- MIT Undergraduate Physics Advisor, 1997–9
- MIT Physics Junior Faculty Dinners Co-Organizer, 1997–1998
- MIT Physics Graduate Brochure Committee, 1997

### **Community Academic Activities:**

- Principal Investigator, CHIME/FRB Collaboration, 2015-
- Director, Canadian Institute for Advanced Research Gravity & the Extreme Universe Program, 2017-
- Principal Investigator, Arecibo L-Band Feed Array Pulsar Survey Consortium, 2012-
- Reviewer, U.S. Decadal Survey
- Member, National Science Foundation Review Panel on Operations and Management of the Green Bank Observatory, 2021-22
- Member, NOVA International Board, 2021-
- Member, NRC Herzberg Astrophysics Advisory Board, 2019-
- Member, NRC Facilities Review Committee (for Dominion Radio Astrophysical Observatory), 2020-21
- Member, Council of Canadian Academies Panel on NSE Funding, 2020-21
- Chair, Interim Visiting Committee, Harvard University Astronomy Department, 2020

- Reviewer, Science Magazine Newcomb-Cleveland Prize, 2020
- Member, Visiting Committee, Caltech Physics, Math & Astronomy Division, 2018-9
- Chair, Astronomy & Subatomic Physics Research Allocation Review Committee, Compute Canada 2016-17, 2017-18, 2018-19
- Member, Shaw Prize Selection Committee, 2015-16, 2016-17, 2017-18
- Panel Chair, Canada 150 Chairs Multidisciplinary Review Panel, 2017
- Chair, Visiting Committee, Harvard University Astronomy Department, 2017
- Member, Selection Committee, U.S. National Academy of Sciences Watson Medal, 2017, 2019
- Member, Selection Committee, U.S. National Academy of Sciences Draper Prize, 2012, 2016
- Director Designate, Canadian Institute for Advanced Research (CIFAR) Gravity & Cosmology Program, 2015-7
- Chair, Selection Committee, U.S. National Academy of Sciences Watson Medal, 2015
- Member, Astronomy & Subatomic Physics Review Committee, Compute Canada 2013, 2014, 2015
- Member, NSERC Discovery Grant Review Committee, 2015
- Member, Science Review Panel for Square Kilometer Array, 2014
- Reviewer, *Hubble* Space Telescope Director's Discretionary Time request, October 2014
- Member, NANOGrav Management Team, 2013-2015
- Selection Committee, U.S. National Academy of Sciences Watson Medal, 2013, 2014
- Member, LIGO Directorate Program Advisory Committee, 2013-2014
- Chair, *NuSTAR* Magnetar/Rotation-Powered Pulsar Working Group, 2012-2014
- Selection Committee, International Union of Pure and Applied Physics Young Scientist Call, 2012, 2013
- Reviewer, Council of Canadian Academies Assessment "Strengthening Canada's Research Capacity: The Gender Dimension", 2012
- Reviewer, The Netherlands Organisation for Scientific Research (NWO), 2012
- Chair, Arecibo L-Band Feed Array Pulsar Survey Executive Committee, 2007-2013
- *NuSTAR* Central Science Team, 2008-
- *NuSTAR* Galactic Science Team Leader, 2008-12
- Selection Committee, Canadian Space Agency Competition for Canadian Astro-H Science Working Group, 2011
- Selection Committee, Prix du Québec, 2011
- Member, International Advisory Board for the Publications of the Astronomical Society of Australia, 2011-
- Selection Committee for CIFAR Junior Fellow Program, 2010, 2011, 2012

- Committee for Long Range Plan for Astronomy in Canada, 2009-11
- Grant Review Committee for NSERC Discovery Grants (Physics), 2009-10
- Selection committee for Fellowship candidates of the Royal Society of Canada, Natural Sciences, 2009
- Research Advisory Panel for Science Media Centre of Canada, 2009-
- ACURA Institutional Representative, 2009-2012
- Co-Chair, Maimonides Society Montreal, 2008-
- Friends of the Weizmann Institute, Science Advisory Board, 2005-
- US/NRAO Visiting Committee, 2006-10
- Selection committee for NASA Einstein Postdoctoral Fellowships, 2009
- Nominating Committee, High Energy Astrophysics Division of the American Astronomical Society Executive Committee, 2008
- NSERC International Discovery Grant Review Committee, 2007-8
- Chair, High Energy Astrophysics Canadian Space Agency Disciplinary Working Group, 2007-9
- Editorial Board Member, Astrophysics and Space Science Library Series, Springer Publishing, 2006-2011
- Nominating Committee, High Energy Astrophysics Division of the American Astronomical Society Executive Committee, 2006
- Canadian SKA Consortium Board of Management, 2006-8
- Canadian SKA Science Advisory Committee, 2006-8
- Canada Foundation for Innovation Multidisciplinary Assessment Committee, 2006
- Conseil de la Science et de la Technologie du Québec, 2006-8
- Canadian Square Kilometer Array Steering Committee, 2003-6
- Reviewer, Italian Ministry for Education University and Research, 2002-8
- US National Academy of Sciences Panel on “Priorities in Space Science Enabled by Nuclear Power and Propulsion”
- Canadian Long-Range Plan for Astrophysics Mid-Term Review Committee, 2004
- NASA Senior Review, Washington, DC, Apr 27-30, 2004
- PAGSE Leadership Symposium, Ottawa, ON, Oct 7, 2003
- NSERC 3rd Circle, Montreal, QC Oct 2-3, 2003
- NSERC Review Committee, NSERC-Canadian Space Agency Grants, Ottawa, ON Sep 30, 2003
- Reviewer, Canada Research Chairs, 2003
- US National Astronomy and Ionosphere Center (NAIC) Director Search, Committee Member, 2002



- NASA Senior Review, Committee Member, 2002
- NASA Expert Panelist, “Space Science Update,” 2002
- NSERC Review Committee, Canadian Institute for Theoretical Astrophysics, 2002
- Canadian Astronomical Society Committee on Radio Astronomy, 2001–2003
- US/NRC Committee on Radio Frequency (CORF) Allocation, 2001–2002
- Reviewer, Canada Research Chairs, 2001
- Arecibo Users and Scientific Advisory Committee (AUSAC), 1999–2003
- AAS High Energy Astrophysics Division (HEAD) Executive Committee, 1999–2002
- NASA Gamma Ray Astrophysics Program Working Group, 1998–9
- Committee Peer Review (Telescope Observing and Funding): *Chandra X-ray Observatory Guest Observer Program (three times), NASA ASTRO-E Guest Observer Program, NASA Astrophysics Data Program, NASA Compton Gamma Ray Observatory Observing Program, NASA Rossi X-ray Timing Explorer Guest Investigator Program, NRAO Guest Observer Program, California Space Institute Grant Program, National Science Foundation*
- Journal Review (average 5 articles per year): *Advances in Space Research, Astronomy & Astrophysics, Astrophysical Journal, Astrophysical Journal Letters, Astrophysical Journal Supplement Series, Astrophysics & Space Science, Monthly Notices of the Royal Astronomical Society, Nature, Nature Communications, Science, Turkish Journal of Physics*
- Conference Organization:
  - Scientific Organizing Committee, *Fast Radio Bursts*, IAU Symposium 369, *The dawn of cosmology & multi-messenger studies with Fast Radio Bursts*, Buzan, South Korea, August 2–11, 2022
  - Co-Chair Scientific Organizing Committee, 16th Marcel Grossman Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation, and Relativistic Field Theories What Can we Learn from a Growing Population of Fast Radio Bursts? July 5-9, 2021 (virtual)
  - Scientific Organizing Committee, *The Metre Wave Sky*, National Centre for Radio Astrophysics, Pune, India, Mar 18-22, 2019
  - Co-Convenor, 16th Marcel Grossman Meeting, Rome, Italy, July 5–9, 2021 (online)
  - Scientific Organizing Committee, *Fast Radio Bursts*, Phuket, Thailand, March 24-28, 2020 (online)
  - Scientific Organizing Committee, *The Metre Wave Sky*, National Centre for Radio Astrophysics, Pune, India, Mar 18-22, 2019
  - Scientific Organizing Committee, *Fast Radio Bursts and their Possible Neutron Star Origins*, University of Amsterdam, The Netherlands, Feb 18–20, 2019
  - Scientific Organizing Committee, *Fast Radio Bursts*, Weizmann Institute, Rehovot, Israel, Dec 4-13, 2018
  - Scientific Organizing Committee, *50 Years of Pulsars*, Jodrell Bank Observatory, Sept 4–8, 2017

- Session Co-Convener, *Detection of short-duration transients and pulsars*, URSI General Assembly, Montreal, QC, Aug 19-26, 2017
- Scientific Organizing Committee, *Physics of Neutron Stars*, St. Petersburg, Russia, July 10–14, 2017
- Scientific Organizing Committee, *Texas Symposium on Relativistic Astrophysics*, Geneva, Switzerland, December 13–18, 2015
- Scientific Organizing Committee, *COSPAR 2014, Highly Magnetized Neutron Stars*, Moscow, Russia, August 2–10, 2014
- Local Organizing Committee, *International Pulsar Timing Array 2014*, Banff, AL, June 23–27, 2014
- Scientific Organizing Committee, *Texas Symposium on Relativistic Astrophysics*, Dallas, TX, December 8–13, 2013
- Scientific Organizing Committee, *The Fast and the Furious: Energetic Phenomena in Isolated Neutron Stars, Pulsar Wind Nebulae and Supernova Remnants*, Madrid, Spain, May 22-24, 2013
- Scientific Organizing Committee, *Latest Results from the Neutron Star Laboratory*, Amsterdam, The Netherlands, May 6–10, 2013
- Organizer, *Workshop on CHIME and Pulsars*, McGill University, April 3-4, 2013
- Scientific Organizing Committee, *Texas Symposium on Relativistic Astrophysics*, Sao Paulo, Brazil, December 16–20, 2012
- Scientific Organizing Committee, *Neutron Stars and Pulsars: Challenges and Opportunities after 80 years*, IAU Symposium 291, Beijing, China, 20-24 August, 2012
- Scientific Organizing Committee, *Magnetars: The Extremes of Nature*, COSPAR 2012, Event E1.12, Mysore, India, 14-22 July, 2012
- Scientific Organizing Committee, *Physics of Neutron Stars*, St. Petersburg, Russia, July 11-15, 2011
- Scientific Organizing Committee, *SKA 2011 International Meeting*, Banff, AL, July 4-7, 2011
- Scientific Organizing Committee, *Astrophysics of Neutron Stars 2010*, Cesme, Izmir, Turkey, August 2–6, 2010
- Organizer, *NuSTAR Galactic Workshop*, Montreal, Canada, June 15-16, 2010
- Scientific Organizing Committee, *Probing Strong Gravity with Gravitational and Electromagnetic Waves*, COSPAR 38th Scientific Assembly, Bremen, Germany, July 18-25, 2010
- Scientific Organizing Committee, *10 Years of Science with Chandra*, Boston, MA, September 22-25, 2009
- Scientific Organizing Committee, *Neutron Stars: Timing in Extreme Environments*, Sao Paulo, Brazil, August 3-5, 2009
- Organizer, *NuSTAR Galactic Workshop*, Pasadena, CA, August 10-13, 2009
- Scientific Organizing Committee, *Neutron Stars and Gamma-Ray Bursts*, Alexandria, Egypt, March 30 – April 4, 2009

- Main Scientific Organizer, *CIFAR Gravity & Cosmology Annual General Meeting*, Mt Tremblant, QC, March 5-8, 2009
- Scientific Organizing Committee, *Texas Symposium on Relativistic Astrophysics*, Vancouver, Canada, December 2008
- Main Scientific Organizer, COSPAR Symposium, *Multiwavelength Observations of Neutron Stars*, Montreal, Canada, July 2008
- Scientific Organizing Committee, *Eight Years of Science with Chandra*, Huntsville, AL, October 2007
- Scientific Organizing Committee, *From Planets to Dark Energy: The Modern Radio Universe*, Manchester, UK, October, 2007
- Co-Chair, Scientific Organizing Committee, *40 Years of Pulsars*, Montreal, Canada, August 2007
- Scientific Organizing Committee, XMM-Newton: The Next Decade, Madrid, Spain, June 2007
- Scientific Organizing Committee, *Gemini Science 2007*, Foz do Iguacu, Brazil, June 2007
- Scientific Organizing Committee, *Isolated Neutron Stars: from the Interior to the Surface*, Royal Astronomical Society, London, UK, April 24-28, 2006
- Scientific Organizing Committee, *Neutron Stars at the Crossroads of Fundamental Physics*, University of British Columbia, Vancouver, BC, August 9-13, 2005
- Scientific Organizing Committee, *Texas Symposium on Relativistic Astrophysics*, Stanford University, Palo Alto, CA, December 2004
- Hosted Pulsar Surveys with the Arecibo L-Band Feed Array Workshop, McGill University, May 19-21, 2004
- Scientific Organizing Committee, *Young Neutron Stars and their Environments*, International Astronomical Union Symposium 218, Sydney, Australia, July 2003
- Chair, Local Organizing Committee, 2003 High Energy Division of American Astronomical Society, Mt Tremblant, Quebec, March 2003
- Convener, Session on *Neutron Stars and SN Remnants*, at the *XXI Texas Symposium on Relativistic Astrophysics*, Florence, Italy, December, 2002
- Scientific Organizing Committee, *Radio Pulsars: Crete 2002*, Chania, Crete, August 2002
- Co-organizer, Joint HEAD/APS Meeting, Special Session on *Pulsars and Supernova Remnants at High Energies*, Albuquerque, New Mexico, April 2002
- Scientific Organizing Committee, *XX Texas Symposium on Relativistic Astrophysics*, Austin, Texas, December 2000
- Co-Organizer, *Spin and Magnetism in Young Neutron Stars*, Institute for Theoretical Physics, University of California at Santa Barbara, July – December 2000
- Organizing Committee, *Physical Applications of Radio Pulsar Timing*, Aspen Center for Physics, Aspen, Colorado, May/June 1998
- Scientific Organizing Committee, *31st Scientific Assembly of COSPAR: E1.5 Satellite and Ground Based Studies of Radiopulsars*, Birmingham, England, July 1996

**Lectures, Colloquia and Symposia:**

Note: All talks listed were invited, except those in parentheses which were contributed.

1. “Fast Radio Bursts,” John Bahcall Astrophysics Lecture, Tel Aviv University, Tel Aviv, Israel, Apr 14, 2024.
2. “The Mystery of Fast Radio Bursts,” Review Speaker, Israeli Physical Society, Tel Aviv, Israel, Apr 11, 2024.
3. “Fast Radio Bursts,” Bunyan Physics Colloquium, Stanford University, Palo Alto, CA, Feb 13, 2024.
4. “The Fast Radio Sky,” Bunyan Public Lecture, Stanford University, Palo Alto, CA, Feb 12, 2024.
5. “Fast Radio Bursts,” Science Distinguished Lecture, Hong Kong University, Hong Kong, Nov 15, 2023.
6. “Trends in Radio Astronomy and the CHIME Telescope,” Trending Topic Presentation and Panel Discussion, Hong Kong Laureate Forum, Hong Kong, Nov 14, 2023.
7. “Conference Summary,” Future of Fast Radio Bursts, Flatiron Institute, Simons Foundation, New York, NY, Sept 13, 2023.
8. “The Origin of Fast Radio Bursts,” Thomas Gold Lecture, Department of Astronomy Colloquium, Cornell U., Ithaca, NY, Aug 31, 2023.
9. “Informal Discussion on Fast Radio Bursts and Neutron Stars,” Lunchtime Astrophysics Seminar, Cornell U., Ithaca, NY, Aug 30, 2023.
10. “Fast Radio Bursts: A Mysterious New Probe of the Structure of the Universe,” Thomas Gold Lecture, Department of Physics Colloquium, Cornell U., Ithaca, NY, Aug 28, 2023.
11. “Fast Radio Bursts,” Physics Colloquium, Queen’s University, Kingston, ON, Mar 23, 2023.
12. “The Transient Radio Sky,” Special Lecture for winning the Albert Einstein World Award of Science, World Cultural Council, University of Coimbra, Portugal, Nov 29, 2022. (remotely as I had Covid)
13. “Fast Radio Bursts,” Physics Colloquium, Massachusetts Institute of Technology, Cambridge, MA, Nov 3, 2022.
14. “The Time Domain or Life in the Fast radio burst Lane,” Invited Talk, Celebration in Honour of Nobel Prize of James Peebles, Princeton University, Oct 27, 2022.
15. Panelist, “Global Coordination of Multi-Messenger Astronomy,” International Astronomical Union General Assembly, Busan, South Korea, Aug 5, 2022.
16. “Observational Properties of Fast Radio Bursts,” Plenary Talk, International Astronomical Union General Assembly, Busan, South Korea, Aug 4, 2022.
17. “The CHIME Fast Radio Burst Project,” Plenary Talk in honour of the Lancelot Berkeley Prize, American Astronomical Society, Pasadena, CA, June 16, 2022.
18. “Anomalous X-ray Pulsars,” Shaw Prize Special Session, American Astronomical Society, Pasadena, CA, June 13, 2022.

19. “Fast Radio Sky,” McDonnell Public Lecture, Washington University, St. Louis, MO, Mar 31, 2022.
20. “Fast Radio Bursts,” McDonnell Lecture, Washington University, St. Louis, MO, Mar 30, 2022.
21. “The Case for and against Fast Radio Bursts as Magnetars,” Biermann Lectures, Series of 3 invited lectures forming the Biermann Lectureship, Max Planck Institute for Astrophysics, Garching, Germany, Nov 23, 30 & Dec 7, 2021. (remotely due to COVID)
22. “Fast Radio Bursts in the CHORD/DSA Era,” CHORD/DSA Workshop, MIT, Nov 6, 2021. (remotely due to COVID)
23. “Fast Radio Bursts,” International Astronomical Union Plenary Talk, Aug 26, 2021. (remotely due to COVID)
24. (“Update from CHIME/FRB,” CIFAR G+EU Annual General Meeting, Aug 24, 2021. remotely due to COVID)
25. “Fast Radio Bursts,” National Astronomy Meeting of U.K. 2021, Plenary Talk, July 20, 2021. (remotely due to COVID)
26. “Observations of Fast Radio Bursts,” 16th Marcel Grossman Meeting, Plenary Talk, July 8, 2021. (remotely due to COVID)
27. “Fast Radio Bursts: A Cosmological Conundrum,” Physics Colloquium, Stanford University, June 1, 2021. (remotely due to COVID)
28. “Fast Radio Bursts,” Astrophysics Colloquium, Oskar Klein Seminar, May 25, 2021. (remotely due to COVID)
29. External Panelist, American Astronomical Society Press Conference on “Extragalactic Magnetar Flares,” American Astronomical Society, January 13, 2021 (remotely due to COVID)
30. “Fast Radio Bursts,” Astronomy Colloquium, University of Victoria, Nov 4, 2020. (remotely due to COVID)
31. “Isolated Neutron Stars,” Chandra Frontiers in Time-Domain Science, Oct 26, 2020. (remotely due to COVID)
32. “Fast Radio Bursts,” CosmoClub Seminar, ETH Zurich, June 8, 2020. (remotely due to COVID)
33. “Fast Radio Bursts,” KIPAC Colloquium, Stanford University, June 4, 2020. (remotely due to COVID)
34. “The Transient Radio Cosmos,” Keynote Lecture, Technical Experts of Compute Canada (TECC) Summit, June 1, 2020. (remotely due to COVID)
35. “Overview of Fast Radio Bursts and CHIME/FRB Update,” Fast Radio Burst Workshop, Flatiron Institute, New York, NY, Feb 3, 2020.
36. “*Chandra* and Neutron Stars,” *Chandra X-ray Observatory* 20th Anniversary, Boston, MA, Dec 3, 2019.
37. “Fast Radio Bursts,” Plenary Lecture, Canadian Undergraduate Physics Conference, McGill University, Montreal, QC, Nov 7, 2019.

38. “Radio Transients,” Canadian Long-Range Plan for Astrophysics 2020, U. Montreal, Nov 1, 2019.
39. “Fast Radio Bursts,” Plenary Lecture, Women in Physics Canada 2019, McGill U., June 27, 2019.
40. (“Update on CHIME/FRB,” CIFAR Gravity & Extreme Universe Annual General Meeting, Kelowna, BC, June 2, 2019.)
41. Discussion leader on “Pulsar Science,” The Future of Radio Astronomy Workshop, Dominion Radio Astrophysical Observatory, Penticton, BC, May 7, 2019.
42. “Fast Radio Bursts: Near- and Long-term Prospects,” The Future of Radio Astronomy Workshop, Dominion Radio Astrophysical Observatory, Penticton, BC, May 7, 2019.
43. “Fast Radio Bursts,” Phyllis and George Heilborn Radio Astronomy Lecture, Northwestern University, Evanston, IL, Apr 17, 2019.
44. “1st Results from CHIME/FRB,” American Astronomical Society Press Briefing, Seattle, WA, Jan 9, 2019.
45. Workshop Overview, Fast Radio Bursts, SRitp Workshop, Weizmann Institute, Rehovot, Israel, Dec 13, 2018.
46. “Fast Radio Bursts,” Physics Colloquium, University of Regina, Regina, SK, Oct 24, 2018.
47. (“The Subaru Telescope and Fast Radio Bursts,” Widefield Astronomy Workshop, Perimeter Institute, Waterloo, ON, Oct 13, 2018.)
48. “Fast Radio Bursts,” Astronomy Colloquium, The Ohio State University, Columbus, OH, Sept 4, 2018.
49. “Fast Radio Bursts,” Plenary Lecture, Marcel Grossman Meeting, Rome, Italy, July 5, 2018.
50. “CHIME and Fast Radio Bursts,” Parallel Session on Fast Radio Bursts, Marcel Grossman Meeting, Rome, Italy, July 3, 2018.
51. “Fast Radio Bursts,” Physics Colloquium, University of Minnesota, Minneapolis, MN, Apr 19, 2018.
52. (“The CHIME/FRB Project”, CIFAR Gravity & Extreme Universe Annual General Meeting, Banff Centre, Banff, AL, Feb 3, 2018.)
53. “Fast Radio Bursts,” Bishops Lecture in Astrophysics, Columbia University, New York, Dec 13, 2017.
54. “Fast Radio Bursts,” Astrophysics Colloquium, Institute for Advanced Study, Princeton, NJ, Dec 12, 2017.
55. “Fast Radio Bursts,” Astrophysics Colloquium, University of Maryland, College Park, MD, Nov 30, 2017.
56. “Fast Radio Bursts,” Colloquium, Space Telescope Science Institute, Baltimore, MD, Nov 29, 2017.
57. “Future Canadian Prospects for Pulsars,” Future of Canadian Radio Astronomy, McGill U., Montreal, Canada, Sept 14, 2017.

58. “The Status of Radio Astronomy in the 2010 Long Range Plan and 2015 Mid Term Review,” Future of Canadian Radio Astronomy, McGill U., Montreal, Canada, Sept 13, 2017.
59. “The Neutron Star Zoo,” IAU Symposium 337: Pulsar Astrophysics - The Next 50 Years, Manchester, UK, Sept 4, 2017.
60. “Fast Radio Bursts and CHIME,” Plenary Talk, TeV Particle Astrophysics , Ohio State University, Columbus, OH, August 9, 2017.
61. (“The CHIME/FRB Project,” CIFAR Annual General Meeting, Lake Louise, Mar 17, 2017.)
62. (“The CHIME/FRB Project,” Fast Radio Bursts: New Probes of Fundamental Physics and Cosmology, Aspen Center for Physics, Aspen, CO, Feb 13, 2017.)
63. “Fast Radio Bursts,” Extremes of Time Domain Astrophysics: Stellar Mergers to Black Hole Outbursts, Special Session, 229th American Astronomical Society Meeting, Grapevine, TX, Jan 5, 2017.
64. “Part-time Pulsars,” Press Conference on Recent Results from the Arecibo Telescope, 229th American Astronomical Society Meeting, Grapevine, TX, Jan 4, 2017.
65. “X-ray Polarimetry,” Canadian Space Exploration Workshop, Chateau Champlain Hotel, Montreal, QC, Nov 24, 2016.
66. Invited moderator for Keynote Session with Ontario Minister of Science, Innovation & Technology Reza Moridi and Nobel Laureate Art McDonald, 8th Canadian Science Policy Conference, Shaw Centre, Ottawa, ON, Nov 8, 2016.
67. “Neutron Stars,” Centre de Recherche Astrophysique du Québec Summer School, McGill University, Montreal, QC, Aug 25, 2016.
68. “Fast Radio Bursts,” Canadian Conference on General Relativity and Relativistic Astrophysics, Simon Fraser University, Vancouver, BC, July 8, 2016.
69. “Repeating Fast Radio Bursts and Future Surveys,” The Transient Sky, Sackler Conference, Harvard University, Cambridge, MA, May 17, 2016.
70. (“A Repeating Fast Radio Burst,” CIFAR Gravity & Cosmology Annual General Meeting, Whistler, BC, March 31, 2016.)
71. “The Hunt for Millisecond Pulsars and Fast Radio Transients,” Colloquium, Perimeter Institute, Waterloo, ON, February 3, 2016.
72. “Fast Radio Bursts,” High Energy Transient Sky Thinkshop, Bormio, Italy, January 19, 2016.
73. “Neutron Stars,” General Relativity at 100, Institute for Advanced Study, Princeton, NJ, November 5, 2015.
74. “Magnetar Puzzles,” Harvard Smithsonian Center for Astrophysics Institute for Theory and Computation Luncheon Talk, Harvard University, Cambridge, MA, October 8, 2015.
75. “Pulsar and Fast Transient Searches of the Radio Sky,” Harvard Smithsonian Center for Astrophysics Institute for Theory and Computation Colloquium, Harvard University, Cambridge, MA, October 8, 2015.
76. “Fast Transients in the Radio Sky,” Centre de Recherche Astrophysique du Québec Student Workshop, McGill University, Montreal, QC, Sept 11, 2015.

77. "CHIME," Synoptic Surveys: Boutique & Experiments, Caltech, Pasadena, CA, Aug 28, 29, 2015.
78. "The Hunt for Millisecond Pulsars," Rosenblum Lecture, Racah Institute for Physics, Hebrew University, Jerusalem, Israel, April 29, 2015.
79. ("Update on Searching for Millisecond Pulsars with PALFA and GBNCC," CIFAR Gravity & Cosmology Annual General Meeting, Banff, AL, March 2015.)
80. "The Hunt for Millisecond Pulsars," Astrophysics Colloquium, University Maryland, College Park, MD, Mar 11, 2015.
81. "The Hunt for Millisecond Pulsars," Physics Colloquium, New York University, New York, NY, Feb 26, 2015.
82. "*Chandra* & Magnetars," 15 Years of Science with *Chandra*, Boston, MA, Nov 18, 2014.
83. "The Hunt for Millisecond Pulsars," Physics Colloquium, University of Chicago, Chicago, IL, Nov 6, 2014.
84. ("DM Measurements for NANOGrav with CHIME," Fall NANOGrav Workshop, University of Wisconsin, Milwaukee, Oct 20, 2014.)
85. "The Cosmic Gift of Neutron Stars," Vanier Celebrates Women in Science, Vanier College, Montreal, Oct 15, 2014.
86. "Neutron Stars," *Rapporteur Talk*, 26th Solvay Conference, Brussels, Belgium, Oct 10, 2014.
87. "NuSTAR Observations of Magnetars and Rotation-Powered Pulsars," Special Session on "*NuSTAR* First Science," 40th COSPAR Scientific Assembly, Moscow, Russia, Aug 7, 2014.
88. "Magnetars in Perspective," 40th COSPAR Scientific Assembly, Special Session on "Highly Magnetized Neutron Stars," Moscow, Russia, Aug 5, 2014.
89. ("Current Radio Pulsar Surveys: PALFA and Friends," 40th COSPAR Scientific Assembly, Special Session on "Rotation-Powered Pulsars from Radio to the Highest Energies," Moscow, Russia, Aug 3, 2014.)
90. ("CHIME and Timing Millisecond Pulsars," International Pulsar Timing Array Meeting, Banff Centre, Banff, AL, June 26, 2014.)
91. "Magnetars and Their ilk," The Unquiet Universe, Cefalu, Italy, June 12, 2014.
92. "Neutron Star Populations," Advancing Astrophysics with the Square Kilometer Array, Giardini Naxos, Italy, June 10, 2014.
93. "Magnetars and Their ilk," Frontiers of Neutron Stars, Cornell University, Ithaca, NY, May 29, 2014.
94. ("NANOGrav, CHIME, and Fast Radio Bursts," CIFAR Gravity & Cosmology Annual General Meeting, Quebec City, QC, May 25, 2014.)
95. "The Hunt for Millisecond Pulsars," Jesse Greenstein Lectureship, Caltech, Pasadena, CA, May 14, 2014.
96. "The Hunt for Millisecond Pulsars," Physics Colloquium, Queen's University, Kingston, ON, March 7, 2014.



97. "Observations of Isolated Neutron Stars," Look and Listen Astrophysics School, Playa del Carmen, Mexico, January 13, 14, 15, 2014. (Series of 3 invited lectures)
98. "Magnetars: An Observational Overview," 27th Texas Symposium on Relativistic Astrophysics, Dallas, TX, December 9, 2013.
99. ("A Millisecond Pulsar in a Stellar Triple System," (On behalf of Scott Ransom) 27th Texas Symposium on Relativistic Astrophysics, Dallas, TX, December 9, 2013.)
100. "*Swift*-XRT Observations of Magnetars," *Swift* Science Planning Workshop, Pennsylvania State University, State College, PA, October 29, 2013.
101. "The Cosmic Gift of Neutron Stars," MIT Pappalardo Distinguished Lecture, MIT, Cambridge, MA, October 3, 2013.
102. "Grand Unification in Neutron Stars," Canadian Astronomical Society Annual Meeting, University of British Columbia, Vancouver, BC, May 30, 2013.
103. "Magnetars," Canadian Association of Physicists Congress, University of Montreal, Montreal, QC, May 28, 2013.
104. "Some Thoughts on Being Female in Physics," Canadian Association of Physicists Congress, University of Montreal, Montreal, QC, May 28, 2013.
105. "When do we know we have achieved gender equality in physics?" Invited Panelist, Panel Discussion, Canadian Association of Physicists Congress, University of Montreal, Montreal, QC, May 28, 2013.
106. "Radio Pulsar Basics: Searching, Timing and Populations," Locating Astrophysical Transients, Lorentz Center, Leiden, The Netherlands, May 13, 2013.
107. ("Delayed spin-down rate variability following flux flares in magnetar 1E 1048.1-5937," Latest Results from the Neutron Star Laboratory, Amsterdam, The Netherlands, May 9, 2013.)
108. "The Hunt for Millisecond Pulsars," Astrophysics Colloquium, Institute for Advanced Study, Princeton, NJ, April 30, 2013.
109. "Upcoming X-ray Missions," Symposium "Telescopes of the Future and Astrophysics of Today," McGill University, Montreal, QC, April 18, 2013.
110. "Magnetars Storm the Earth," Invited Session, American Physical Society Meeting, Denver, CO, April 16, 2013.
111. ("Searching for Millisecond Pulsars in Support of Pulsar Timing Arrays," CIFAR Gravity & Cosmology Annual General Meeting, Banff, AB, Feb 16, 2013.)
112. "The Cosmic Gift of Neutron Stars," Dawson First Choice Seminar, Dawson College, Montreal, QC, Jan 30, 2013.
113. "On Being Female in Science," Invited Panelist, Roundtable Discussion sponsored by the Royal Society of London, the Royal Society of Canada, and the British Consul General, McGill University, Montreal, QC, Jan 24, 2013.
114. "Cosmic Gift of Neutron Stars," Fundacion BBVA, Palacio del Marqués de Salamanca, Madrid, Spain, Nov 21, 2012.
115. "Searching for Radio Pulsars: Big Data for Big Payoff," Canadian Institute for Theoretical Astrophysics Seminar, University of Toronto, Toronto, ON, Sept 13, 2012.

116. “The NuSTAR X-ray Telescope,” IAU Symposium 291: Neutron Stars and Pulsars: Challenges and Opportunities after 80 Years, International Astronomical Union General Assembly, Beijing, China, Aug 24, 2012.
117. “Grand Unification in Neutron Stars,” Astrophysics Seminar, Weizmann Institute, Rehovoth, Israel, June 27, 2012.
118. “Long-term Monitoring of High-B Neutron Stars,” Magnetic Fields in Neutron Stars: Origin, Evolution and Decay, University of Amsterdam, Amsterdam, The Netherlands, June 13, 2012.
119. “Searching for Radio Pulsars: Big Data for Big Payoff,” Canadian Astronomical Society Plenary Lecture, University of Calgary, Calgary, AB, June 5, 2012.
120. “Testing General Relativity with Pulsars: New Tests and the Future,” Seventh Harvard-Smithsonian Conference on Theoretical Astrophysics: Identifying Tests of General Relativity (GR) in Astrophysical Systems, Harvard University, Cambridge, MA, May 14, 2012.
121. “Grand Unification In Neutron Stars: The High-B Connection,” LIGO Scientific Collaboration/Virgo Astrophysics Colloquium, done via Enabling Virtual Organizations (EVO), April 18, 2012.
122. (“Radio Pulsar Surveys and a New System for Constraining Gravity,” CIFAR Gravity & Cosmology Annual General Meeting, Whistler, BC, April 5, 2012.)
123. “Diversity In Neutron Stars: The High-B Connection,” Helen Sawyer Hogg Memorial Astrophysics Colloquium, University of Toronto, Toronto, March 16, 2012.
124. “The Cosmic Gift of Pulsars,” Helen Sawyer Hogg Memorial Public Lecture, University of Toronto, Toronto, March 15, 2012.
125. “Diversity In Neutron Stars: The High-B Connection” Big Apple Colloquium, Columbia University, New York, February 17, 2012.
126. “Anomalous X-ray Pulsars and Soft Gamma Repeaters: The RXTE Legacy,” American Astronomical Society Meeting, Special Session on *The Rossi X-ray Timing Explorer: Taking the Pulse of the Universe*, Austin, TX, January 10, 2012
127. “Monitoring Magnetars with LOFT,” LOFT Science Meeting, Science Park, Amsterdam, The Netherlands, October 27, 2011
128. “Who Should Fund Research? Who Should Profit?” Presentation and Panel Discussion, Science & Policy Exchange, McGill University, September 23, 2011
129. “Pulsar Astrophysics and Data Management,” 2011 Canadian Research Data Summit, Ottawa, ON, September 15, 2011
130. (“Diversity in Neutron Stars: X-ray Observations of High-Magnetic-Field Radio Pulsars,” High Energy Astrophysics Division 12th Divisional Meeting, Newport, RI, USA, September 8, 2011)
131. (“Gamma Ray Binaries and NuSTAR,” NuSTAR Science Team Meeting, Caltech, Pasadena, CA, July 27, 2011)
132. “Neutron Stars and Fundamental Physics,” Women in Physics Canada, Perimeter Institute, Waterloo, ON, July 19, 2011

133. (“The Radio Pulsar/Magnetar Connection,” Neutron Stars 2011, St. Petersburg, Russia, July 14, 2011)
134. (“The Arecibo PALFA Survey,” SKA 2011 Science and Frontiers of Astronomy, Banff, AL, July 5, 2011)
135. “The Cosmic Gift of Neutron Stars,” James McGill Society Lecture, McGill University, May 9, 2011
136. “Women in Science,” Workshop on Survival Skills for Scientists,” McGill University, May 4, 2011
137. “A Career in Astrophysics,” Keynote Speaker, The Study Career Day, Montreal, Canada, Apr 6, 2011.
138. (“The Hunt for Millisecond Pulsars,” CIFAR Gravity & Cosmology Annual General Meeting, Whistler, BC, April 1, 2011.)
139. “Tenure Criteria for the Faculty of Science,” MAUT Tenure Workshop, Faculty Club, Mar 28, 2011.
140. “The Cosmic Gift of Neutron Stars,” Rutherford Lecture, Royal Society of London, London, UK, Nov 29, 2010.
141. “The Cosmic Gift of Neutron Stars,” Concordia University Science College Public Lecture, Concordia University, Oct 28, 2010.
142. “Grand Unification in Neutron Stars,” *Radio Pulsars: An Astrophysical Key*, Chia Laguna, Italy, Oct 13, 2010.
143. “A Tribute to Don Backer (1943–2010),” *Radio Pulsars: An Astrophysical Key*, Chia Laguna, Italy, Oct 11, 2010.
144. “X-ray Astronomy in the Near Future,” *Less is More* Workshop, Weizmann Institute, Rehovoth, Israel, June 7, 2010.
145. “Grand Unification in Neutron Stars,” Columbia University Astrophysics Colloquium, New York, NY, Feb 24, 2010.
146. (“Grand Unification in Neutron Stars,” CIFAR Gravity & Cosmology Annual General Meeting, Lake Louise, AL, Feb 20, 2010.)
147. “The Violent High Energy Universe,” McGill MAUT Lecture, Faculty Club, Nov 13, 2009.
148. “*Chandra’s* Contribution toward ‘Grand Unification’: Unravelling the Surprising Diversity in Neutron Stars,” *Chandra’s* First Decade Symposium, Boston, MA, Sept 24, 2009
149. “The Violent High Energy Universe,” ‘Bacon and Eggheads’ Breakfast, Parliament Hill, Ottawa, ON, June 4, 2009
150. “The Violent High Energy Universe,” NSERC Head Office, Ottawa, ON, June 3, 2009
151. “Canadian Space Agency Discipline Working Group in High-Energy Astrophysics: Report,” Canadian Astronomical Society Meeting, Toronto, ON, May 27, 2009
152. “Status and Future of Canadian Astrophysics,” Panel Presentation (Leader R. Carlberg, U. Toronto), Canadian Astronomical Society Meeting, Toronto, ON, May 27, 2009

153. "Anomalous X-ray Pulsars," Defining the Neutron Star Crust 2009, Santa Fe, NM, May 21, 2009
154. ("Nanogravity and a Missing Link," CIFAR Gravity & Cosmology Annual General Meeting, Mt. Tremblant, QC, March 6, 2009)
155. "The Violent High Energy Universe," Science Colloquium, Canadian Space Agency, St. Hubert, QC, May 1, 2009
156. "Neutron Stars: Physics in the Extreme," Physics Colloquium, Montana State University, Bozeman, MO, April 29, 2009
157. "High-Magnetic Field Neutron Stars," Sackler Lecture, Harvard University, Cambridge, MA, April 2, 2009
158. ("Nanogravity and a Missing Link," CIFAR Gravity & Cosmology Annual General Meeting, Mont Tremblant, QC, March 6, 2009)
159. ("NuSTAR and Galactic Science," NuSTAR Science Workshop, Caltech, Pasadena, CA, February 19, 2009)
160. ("The High-B Radio Pulsar/Magnetar Connection," 30 Years of Magnetars: New Frontiers, Aspen, CO, February 2, 2009)
161. ("High Drama in AXPs: Glitches, Outbursts and Flares and their Relationships," Texas Symposium for Relativistic Astrophysics, Vancouver, BC, December 12, 2008)
162. "High-Magnetic Field Neutron Stars," Astrophysics Colloquium, Institute for Advanced Study, Princeton, NJ December 2, 2008
163. "Magnetars," 17th Kingston Meeting: Compact Stars in the Rockies, Banff, AL, May 27, 2008
164. "High Energy Astrophysics and the CSA Disciplinary Working Group," Canadian Astronomical Society Meeting, Victoria, BC, May 21, 2008
165. "Multi-wavelength Observations of Neutron Stars," Canadian Astronomical Society Meeting, Victoria, BC, May 21, 2008
166. "NuSTAR and Pulsars," High Energy Astrophysics Division Meeting, Los Angeles, CA, April 3, 2008
167. ("Relativistic Spin Precession in the Double Pulsar," CIFAR Gravity & Cosmology Annual General Meeting, Stanford University, Palo Alto, CA, Mar 5, 2008)
168. ("Chandra ToO observations of Anomalous X-ray Pulsars," 8 Years of Chandra Workshop, Huntsville, AL, Oct 24, 2007)
169. ("Pulsars and Astrosat," Astrosat Workshop, Canadian Space Agency, St. Hubert, QC, Oct 19, 2007)
170. "Neutron Stars: Physics in the Extreme," Steacie Prize Lecture, National Research Council, Ottawa, ON, May 4, 2007
171. "Magnetars," Astrophysics Colloquium, California Institute of Technology, Pasadena, CA, Mar 14, 2007
172. "Magnetars," Physics Colloquium, Michigan State University, Lansing, MI Feb 1, 2007
173. "Magnetars," Astrophysics Colloquium, University of Michigan, Ann Arbor, MI Jan 31, 2007

174. “Diversity Among Young Neutron Stars: The High Magnetic Field Puzzle,” Astrophysics Seminar, Raman Research Institute, Bangalore, India, Nov 29, 2006
175. “Diversity Among Young Neutron Stars: The High Magnetic Field Puzzle,” Colloquium, Perimeter Institute, Waterloo, ON, Nov 8, 2006
176. “Magnetars,” Physics Colloquium, Louisiana State University, Baton Rouge, LA, Oct 26, 2006
177. (“Long-term Variability in Anomalous X-ray Pulsar 4U 0142+61 and Recent Activity,” High Energy Astrophysics Division of the American Astronomical Society Meeting, San Francisco, CA, Oct 4, 2006)
178. “Magnetars,” Symposium in Honor of Joseph H. Taylor Jr., Princeton University, Princeton, NJ, Sept 30, 2006
179. “Magnetars,” Keynote Lecture, “CITA Kingston in Kingston” Meeting, Queen’s University, Kingston ON, July 18, 2006
180. “Magnetars,” Massive Stars: From Pop III and GRBs to the Milky Way, Space Telescope Science Institute, Baltimore, MD, May 10, 2006
181. “Diversity in Young Neutron Stars: The High-Magnetic-Field Puzzle,” University of Alberta, Edmonton, AL, Mar 21, 2006
182. “Diversity in Young Neutron Stars: The High-Magnetic-Field Puzzle,” Institute for Theory and Computation Colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Mar 9, 2006
183. “Magnetars,” Department of Physics Seminar, University of Guelph, Guelph, ON, Jan 31, 2006
184. “Anomalous X-ray Pulsars,” RXTE 10th Birthday Party Mini-Conference, NASA/Goddard, Greenbelt, MD, Jan 13, 2006
185. “Diversity in Young Neutron Stars: The High Magnetic Field Puzzle,” Astrophysics Seminar, Northwestern University, Evanston, IL, Nov 22, 2005
186. “Diversity in Young Neutron Stars: The High Magnetic Field Puzzle,” Institute for Advanced Study Astrophysics Seminar, Princeton, NJ, Nov 8, 2005
187. “Observational Properties of Magnetars,” Neutron Stars at the Crossroads of Fundamental Physics, UBC, Vancouver, BC, Aug 11, 2005
188. “The Hunt for the Missing Link: High Magnetic Field Radio Pulsars,” Cornell University, Astronomy Colloquium (part of the Salpeter Lectureship), May 5, 2005
189. “Magnetars,” Cornell University, Physics Colloquium (part of Salpeter Lectureship,” May 2, 2005
190. “Magnetars,” MIT Physics Colloquium, February 10, 2005
191. “Observational Properties of the Double Pulsar System PSR J1718-3718”, Double Pulsar Workshop, Canadian Institute for Theoretical Astrophysics, Toronto, January 26, 2005
192. “(Anomalous) X-ray Pulsars,” Invited Review, Texas Symposium on Relativistic Astrophysics, Stanford University, December 16, 2004

193. “Strong Field Tests of General Relativity Using Pulsars and Black Holes,” (with J. Cordes and M. Kramer), Square Kilometer Array 2004, Penticton, July 2004
194. “Revolutions in Neutron-Star Astrophysics,” Canadian Association of Physicists Herzberg Medal Lecture, Winnipeg, MB, June 15, 2004
195. “Anomalous X-ray Pulsars,” Astrophysics Seminar, Harvard Smithsonian Center for Astrophysics, Cambridge, MA, May 4, 2004
196. “Diversity in Young Neutron Stars,” Marianopolis College, Montreal, QC, Mar 30, 2004
197. “Diversity in Young Neutron Stars,” Physics Colloquium, Carleton University, Ottawa, ON, Mar 22, 2004
198. (“A Double Binary Pulsar,” CIAR Gravity and Cosmology Meeting, Banff, AL, Mar 5, 2004)
199. (“A Double Binary Pulsar,” Observatoire Mont Megantique Meeting, Esterel, QC, Mar 12, 2004)
200. “Anomalous X-ray Pulsars,” Astrophysics Colloquium, Princeton University, Feb 24, 2004
201. “Neutron Stars and the Canadian Large Adaptive Reflector,” Herzberg Institute of Astrophysics Advisory Board, AMEC, Vancouver, BC Jan 30, 2004
202. “Pulsar/Main-Sequence Star Binaries,” Invited Review, *Aspen Winter Conference on Binary Radio Pulsars*, Aspen Center for Physics, Aspen, CO Jan 13, 2004
203. (“Measuring Neutron-Star Temperatures,” Particle Theory Pizza Seminar, McGill University, Montreal, QC Nov 18, 2003)
204. “Anomalous X-ray Pulsars,” Invited Review, *X-ray Timing: Rossi & Beyond!*, Cambridge, MA, Nov 3, 2003
205. “Anomalous X-ray Pulsars,” Astrophysics Colloquium, University of Colorado, Boulder, CO, Oct 27, 2003
206. “Anomalous X-ray Pulsars,” Astrophysics Colloquium, Pennsylvania State University, College Station, PA Sept 9, 2003
207. “Magnetars,” Invited Review, *Young Neutron Stars and their Environments*, IAU Symp. 218, Sydney, Australia July 14, 2003
208. “Anomalous X-ray Pulsars,” The Restless High-Energy Universe, Amsterdam, The Netherlands, May 8, 2003
209. (“Anomalous X-ray Pulsars,” CIAR Gravity and Cosmology Program Meeting, Mt Tremblant, QC Mar 14-18, 2003)
210. “Neutron Stars and Supernova Remnants,” XXI Texas Symposium on Relativistic Astrophysics, Florence, Italy Dec 9-11, 2002
211. “Diversity in Young Neutron Stars,” Physics Colloquium, Concordia University, Montreal, QC, Nov 13, 2002
212. (“ALFA Computing Resources,” Arecibo L-Band Feed Array (ALFA) Pulsar Consortium Meeting, Arecibo, Puerto Rico, Nov 1-2, 2002)
213. (“Opportunities for ALFA Support,” Arecibo L-Band Feed Array (ALFA) Pulsar Consortium Meeting, Arecibo, Puerto Rico, Nov 1-2, 2002)

214. "Anomalous X-ray Pulsars," 34th COSPAR Scientific Assembly, High Energy Studies of Supernova Remnants and Neutron Stars, Houston, TX Oct 10-12, 2002
215. "Magnetars," Invited Review, Radio Pulsars: Crete 2002, Chania, Greece, August 27, 2002.
216. "Anomalous X-ray Pulsars," Invited Review, Gamma Ray Bursts: The Biggest Explosions in the Universe, Harvard University, Cambridge, MA, May 23, 2002.
217. "Anomalous X-ray Pulsars," Astronomy Colloquium, University of Texas, Austin, TX, April 30, 2002.
218. "Anomalous X-ray Pulsars," Invited Review, Joint American Physical Society/High Energy Astrophysics Division Conference, Albuquerque, NM, April 22, 2002.
219. "Anomalous X-ray Pulsars," Astrophysics Colloquium, Institute for Advanced Study, Princeton, NJ, April 9, 2002.
220. ("Anomalous X-ray Pulsars," Conference Talk, Centre de L'Observatoire OMM Rencontre, Val David, QC, March 14, 2002.)
221. "Anomalous X-ray Pulsars," Astrophysics Colloquium, Ohio State University, Columbus, OH, March 7, 2002.
222. "Diversity Among Young Neutron Stars," Physics Colloquium (CAP Lecture), Trent University, Peterborough, ON, February 27, 2002.
223. "Diversity Among Young Neutron Stars," Physics Colloquium (CAP Lecture), Acadia University, Wolfville, NS, February 14, 2002.
224. "Diversity Among Young Neutron Stars," Physics Colloquium (CAP Lecture), Dalhousie University, Halifax, NS, February 13, 2002.
225. "Parkes Multibeam Survey Pulsars and EGRET Sources," Invited Talk, Workshop on Pulsar Studies in the GLAST Era, University of California, Santa Cruz, CA, December 11, 2001.
226. "Anomalous X-ray Pulsars," Astrophysics Colloquium, Canadian Institute for Theoretical Astrophysics, Toronto, ON, November 27, 2001.
227. "Diversity Among Young Neutron Stars," Astrophysics Colloquium, Université Laval, Quebec City, QC, November 12, 2001.
228. "Pulsars and Supernova Remnants," Invited Review, Conference on Low Frequency Array (LOFAR), MIT Haystack Observatory, Westford, MA, October 15, 2001.
229. "Pulsar/Supernova Remnant Associations," Invited Review, Neutron Stars in Supernova Remnants (II), Boston, MA, August 14, 2001.
230. "Diversity in Young Neutron Stars," Invited Review, Canadian Astronomical Society, Hamilton, ON, May 27, 2001.
231. "Diversity in Young Neutron Stars," Astrophysics Colloquium, California Institute of Technology, Pasadena, CA, May 23, 2001.
232. "Diversity in Young Neutron Stars," Physics Colloquium, York University, Toronto, ON, March 6, 2001.
233. "Diversity in Young Neutron Stars," Physics Colloquium, Queen's University, Kingston, ON, February 27, 2001.

234. “High-Precision Timing of Millisecond Pulsars,” Invited Talk, part of “Astrophysical Ages and Timescales” conference, Hilo, Hawaii, February 5, 2001.
235. “Diversity in Young Neutron Stars,” Physics Colloquium, University of Waterloo, Waterloo, ON, December 7, 2000.
236. “Diversity in Young Neutron Stars,” Physics Colloquium, McMaster University, Hamilton, ON, December 6, 2000.
237. “Diversity in Young Neutron Stars,” Physics Colloquium, University of Vermont, Burlington, VT, November 29, 2000.
238. “Anomalous X-ray Pulsars,” Invited Review, part of Institute for Theoretical Physics Conference in “Spin and Magnetism in Young Neutron Stars,” Santa Barbara, CA (via videoconference from ICC at McGill, as I was 9 months pregnant), October 5, 2000.
239. “Discovery of a Young Radio Pulsar in a Relativistic Binary Orbit,” Astrophysics Seminar, Université de Montréal, Montreal, QC, September 21, 2000.
240. “Diversity in Young Neutron Stars,” Physics Colloquium, Université de Montréal, Montreal, QC, September 15, 2000.
241. “Young Neutron Stars,” Invited Talk, Institute for Theoretical Physics, University of California at Santa Barbara, Santa Barbara, CA, August 4, 2000.
242. “Diversity in Young Neutron Stars,” Physics Seminar, Physics Department, Ben Gurion University, Israel, April 30, 2000.
243. “Anomalous X-ray Pulsars,” Invited Talk, Rossi 2000 Symposium, Goddard Space Flight Center, Greenbelt, MD, March 22, 2000.
244. “Diversity in Young Neutron Stars,” Physics Colloquium, Princeton University, Princeton, NJ, March 9, 2000.
245. “Diversity in Young Neutron Stars,” Astrophysics Colloquium, Cornell University, Ithaca, NY, February 24, 2000 (pm).
246. “Discovery of a Young Radio Pulsar in a Relativistic Binary Orbit,” Seminar on General Relativity, Cornell University, Ithaca, NY, February 24, 2000 (am).
247. “Diversity in Young Neutron Stars,” Invited Talk, Brown University, Providence, RI, December 1, 1999.
248. “High-Precision Timing of Anomalous X-ray Pulsars,” Astrophysics Seminar, Harvard University, Cambridge, MA, November 17, 1999.
249. “Diversity in Young Neutron Stars,” Physics Colloquium, MIT, Cambridge, MA, October 21, 1999.
250. “Diversity in Young Neutron Stars,” Astronomy Colloquium, Boston University, Boston, MA, October 18, 1999.
251. “Neutron Star/Supernova Remnant Associations,” Invited Review, IAU Symposium on Pulsars, Bonn, August, 1999.
252. “The Parkes Multibeam Pulsar Survey,” Invited Talk, XXVIth URSI General Assembly, Toronto, Canada, August 17, 1999.



253. “Binary Pulsars and Relativistic Gravity,” 8th Canadian Conference on GR and Relativistic Astrophysics, McGill U., Montreal, June 1999.
254. “The Neutron Star/Supernova Remnant Connection,” Invited Talk, American Astronomical Society, Austin TX, January 8, 1999.
255. “The Neutron Star/Supernova Remnant Connection,” Yale Astronomy Colloquium, New Haven, Connecticut, November 12, 1998.
256. “Fundamental Limits to Millisecond Pulsar Timing Accuracy,” Invited Talk, Aspen Center for Physics, Aspen, Colorado, June 10, 1998.
257. (“HST detection of the companion to the Unusual Eclipsing Binary Pulsar PSR B1718-19 and implications for Binary Evolution,” Aspen Center for Physics, Aspen, Colorado, June 8, 1998.)
258. (“Associations or Superpositions? The cases of PSR J1105–6107/MSH 11–1A and PSR J1617–55/RCW 103,” Workshop on the Relationship Between Neutron Stars and Supernova Remnants, Maciana Marina, Elba Island, Italy, June 2, 1998.)
259. “Neutron Stars Get Their Kicks!” Astronomy Colloquium, University of Michigan, Ann Arbor, Michigan, April 20, 1998.
260. “Neutron Stars Get Their Kicks!” Physics Colloquium, Carleton University, Ottawa, Ontario, Canada, March 30, 1998.
261. “Neutron Stars Get Their Kicks!” Space Telescope Science Institute Colloquium, Baltimore, Maryland, March 25, 1998.
262. “Pulsar/Supernova Remnant Associations,” Invited Review, Symposium on “Neutron Stars and Pulsars,” Rikkyo University, Tokyo, Japan, November 19, 1997.
263. “Neutron Stars Get Their Kicks,” Astrophysics Colloquium, Harvard Center for Astrophysics, Cambridge, Massachusetts, October 30, 1997.
264. “Neutron Stars Get Their Kicks,” Astrophysics Colloquium, Haystack Observatory, September 26, 1997.
265. “Timing Observations of Millisecond Pulsars on Timescales of 10 ns to 10 Years,” Astrophysics Colloquium, Columbia University, March 27, 1997.
266. “Timing Observations of Millisecond Pulsars on Timescales of 10 ns to 10 Years,” Astrophysics Colloquium, University of Chicago, Chicago, Illinois, Feb 5, 1997.
267. “Millisecond Pulsar Timing on Timescales of 10 ns to 10 Years,” Invited Talk, Wise Observatory 25th Anniversary Symposium: “Astronomical Time Series,” Tel Aviv University, Tel Aviv, Israel, December 31, 1996.
268. “Neutron Stars Get Their Kicks,” Astrophysics Colloquium, USRA/Goddard Space Flight Center, Greenbelt, Maryland, November 12, 1996.
269. “Neutron Stars Get Their Kicks,” Astrophysics Seminar, University of California at Santa Barbara, Santa Barbara, California, October 30, 1996.
270. (“Observations of the SMC Binary Pulsar PSR J0045–7319,” at the Academy Colloquium *Pulsar Timing, General Relativity and the Internal Structure of Neutron Stars*, Amsterdam, The Netherlands, September 25, 1996.)

271. (“ASCA Observations of the Be/Pulsar Binary PSR B1259–63,” COSPAR Symposium E1.5: Satellite and Ground Based Studies of Radio Pulsars, Birmingham, England, July 19, 1996.)
272. “Pulsar/Supernova Remnant Associations: A Review,” Invited Review, COSPAR Symposium E1.5: Satellite and Ground Based Studies of Radio Pulsars, Birmingham, England, July 18, 1996.
273. “Astrophysics with Radio Pulsar/B Star Binaries,” Astronomy Colloquium, University of California at Los Angeles, Los Angeles, California, June 4, 1996.
274. “A New Class of Binary Radio Pulsars,” Invited Talk, High Energy Astrophysics Division Meeting (AAS), San Diego, California, May 3, 1996.
275. “Pulsar/Supernova Associations: Facts and Fancy,” Invited Review, IAU Colloquium 160, Sydney, Australia, January 8, 1996.
276. “A New Class of Binary Pulsars,” Astronomy Colloquium, University of Toronto, December 6, 1995.
277. “A New Class of Binary Pulsars,” Astronomy Colloquium, Massachusetts Institute of Technology, December 5, 1995.
278. “Detecting a Stochastic Gravitational Wave Background with Millisecond Pulsar Timing,” LIGO Seminar, Massachusetts Institute of Technology, December 4, 1995.
279. “A New Class of Binary Pulsars,” Astronomy Seminar, Stanford University, November 2, 1995.
280. “How Much Can You Learn from One Binary Pulsar?” Astronomy Colloquium, California Institute of Technology, October 25, 1995.
281. “A New Class of Binary Pulsars,” Astronomy Seminar, Jodrell Bank, United Kingdom, May 31, 1995.
282. “A New Class of Binary Pulsars,” Astrophysics Seminar, Astronomy Department, Institute for Advanced Study, Princeton, April 25, 1995.
283. “A New Class of Binary Pulsars,” Physics Colloquium, Physics Department, McGill University, Montreal, April 24, 1995.
284. “A New Class of Binary Pulsars,” Astrophysics Colloquium, Astronomy Department, University of California at San Diego, February 7, 1995.
285. “A New Class of Binary Pulsars,” Astrophysics Colloquium, Astronomy Department, University of California at Berkeley, February 2, 1995.
286. “A New Class of Binary Pulsars,” Astrophysics Colloquium, Astronomy Department, University of California at Santa Cruz, February 1, 1995.
287. “A New Class of Binary Pulsars,” Astrophysics Seminar, Physics Department, University of California at Santa Barbara, December 7, 1994.
288. “A New Class of Binary Pulsars,” Astrophysics Seminar, Astronomy Department, University of British Columbia, November 28, 1994.
289. “Millisecond Pulsar Timing Results from Arecibo,” IAU Joint Session on Time and Frequency Standards, The Hague, August 20, 1994.

290. (“PSR J0045–7319: A Massive Pulsar Binary in the Small Magellanic Cloud,” IAU Symposium 165, The Hague, August 16, 1994.)
291. “High-Precision Timing of Millisecond Pulsars and Precision Astrometry,” Invited Review, IAU Symposium 166, The Hague, August 16, 1994.
292. “High Energy Emission from PSR B1259–63,” Astrophysics Seminar, Centre for Theoretical Astrophysics, Sydney University, July 29, 1994.
293. “Millisecond Pulsars: It’s All in the Timing,” Astrophysics Seminar, Department of Physics and Astronomy, Rutgers University, May 2, 1994.
294. “Millisecond Pulsars: It’s All in the Timing,” Physics Colloquium, Physics Department, Princeton University, March 24, 1994.
295. “Millisecond Pulsars: It’s All in the Timing,” Physics Colloquium, Physics Department, McGill University, January 21, 1994.
296. “Recent Advances in High-Precision Timing of Millisecond Pulsars,” Invited Talk, Aspen Winter Meeting on Astrophysics, January 7, 1994.
297. “Millisecond Pulsar Timing at Arecibo Observatory,” Invited Review, XXIVth URSI-GA, Kyoto, Japan, August 27, 1993.
298. “Binary Pulsars: An Astrophysical Potpourri,” Astrophysical Seminar, Physics Department, New York University, February 5, 1993.
299. “Binary Pulsars: An Astrophysical Potpourri,” Physics Colloquium, Physics Department, McGill University, December 4, 1992.

#### **Popular or General Audience Lectures and Interviews (Selected)**

- “Fast Radio Bursts,” Soup & Science, McGill Faculty of Science, McGill U., Montreal, QC, Sept 5, 2024.
- “Fast Radio Bursts,” Soup & Science, McGill Faculty of Science, McGill U., Montreal, QC, Sept 26, 2023.
- “Fast Radio Bursts,” Homer’s Physics Lunchtime Talk, Department of Physics, McGill U., Montreal, QC, Sept 22, 2023.
- “The Fast Radio Cosmos,” Ewan Memorial Lecture, Queen’s University, Kingston, ON, Mar 23, 2023.
- Invited Panelist on “L’impact de la science et de la recherche,” at “Le Grand Rendez-vous de l’innovation québécoise,” Old Port, Montreal, QC, Nov 18, 2021. (in French)
- “Women in Science and Technology: One Perspective,” Keynote Lecture, Ubisoft-Nova Workshop on Women in STEM, U. Winnipig, Feb 11, 2021. (remotely due to COVID)
- “Extragalactic Giant Magnetar Flares,” Invited Panelist Talk, NASA American Astronomical Society Press Conference, American Astronomical Society Meeting (Virtual), Jan 13, 2021. (remotely due to COVID)
- “The Fast Radio Sky,” Hintze Lecture, Oxford University, Oxford, UK, Nov 24, 2020. (remotely)

- “The Fast Radio Sky,” MacLennan Lecture, St. Mary’s University, Halifax, NS, Oct 29, 2020. (remotely)
- “What is the Universe Made of?” Governor General Conversations with Her Excellency Julie Payette, Oct 8, 2020. (online)
- “The Fast Radio Sky,” Donald Lecture, Bishop’s University, Lennoxville, QC, Feb 5, 2020.
- “The Transient Radio Sky,” Science Public Lecture Series, University of Regina, Regina, SK, Oct 24, 2018.
- “Solving the Mystery of Fast Radio Bursts,” CIFAR Massey Talk, Massey College, University of Toronto, Oct 12, 2018.
- Invited panelist, “Is McGill Ready to Take Space Discovery to New Heights?,” with Astronauts Drs. Robert Thirsk and Dave Williams, Glenbow Museum, Calgary, AB, June 19, 2018.
- Invited panelist, “Is McGill Ready to Take Space Discovery to New Heights?,” with Astronauts Drs. Robert Thirsk and Dave Williams, Vancouver Club, Vancouver, BC, June 18, 2018.
- “Fast Radio Bursts,” Kaufmanis Lecture in Astrophysics, University of Minnesota, Minneapolis, MN, Apr 18, 2018.
- Invited Panelist, Canada Council for the Arts Killam Panel, University of Toronto, Toronto, ON, Mar 6, 2018.
- (“The CHIME/FRB Project,” CIFAR Annual General Meeting, The Banff Centre, Banff, AB, Feb 4, 2018.)
- “Fast Radio Bursts,” Featured Lecture, Science Undergraduate Society Academia Week, McGill University, Feb 7, 2018 (6:30pm).
- “Fast Radio Bursts,” STARS Lecture Series, McGill University, Feb 7, 2018 (12pm).
- “Career Reflections,” Plenary Lecture, Canadian Conference for Women in Physics, Queen’s University, Kingston, ON, Jan 13, 2018.
- “Fast Radio Bursts,” Sackler Public Lecture in Physics, Princeton University, Princeton, NJ, Dec 14, 2017.
- “On Being a Scientist,” Invited Public Lecture, Women of Power, Chevre Kadisha Synagogue, Montreal, QC, Nov 11, 2017.
- “Fast Radio Bursts,” Invited Public Lecture, Cutting Edge Lecture, McGill University, Nov 9, 2017.
- “Fast Radio Bursts,” CIFAR Symposium “Untangling the Cosmos,” Ontario Science Centre, Toronto, ON, May 17, 2017.
- “Neutron Stars,” McGill Let’s Talk Science High School Program, McGill University, May 11, 2017
- Invited panelist, A. Jean de Grandpré Distinguished Speaker and Seminar Series “Science: The First and Final Frontier,” Redpath Museum, McGill University, Sept 22, 2016
- “The Fast Radio Sky,” 16th Canadian Conference on General Relativity and Relativistic Astrophysics Public Lecture, Vancouver, BC, July 6, 2016.
- Marianopolis College Commencement Address, Montreal, QC, June 15, 2016.

- “Cosmic Gift of Neutron Stars,” Canadian Association of Physicists Herzberg Public Lecture, Ottawa, ON, June 13, 2016.
- “Why I love Astrophysics,” Lakeshore University Women’s Club Keynote Speech, Beaconsfield, QC, May 9, 2016.
- “Why Study Space?” Invited Lecture, Israel in Space, Canadian Institute for Jewish Research, Spanish & Portuguese Synagogue, Montreal, QC, April 14, 2016.
- “What is the Nature of Gravity?” Invited Lecture, CIFAR New Frontiers in Global Science, Intercontinental Hotel, Montreal, QC, April 12, 2016.
- “The Cosmic Gift of Neutron Stars,” Public Lecture, Perimeter Institute, Waterloo, ON, February 3, 2016.
- Featured interview on “The Agenda” with Steve Paikin, TV Ontario, January 25, 2016.
- “The Fast Radio Sky,” Killam Lecture, McGill University, January 12, 2016.
- “Cosmic Gift of Neutron Stars,” Trafalgar Ross Lecture, Montreal, QC, October 23, 2015.
- “The Cosmic Gift of Neutron Stars,” McGill Mini-Science To infinity and beyond: From neutron stars to neuroengineering, McGill University, April 15, 2015.
- “Neutron Stars,” Sacred Heart School Science Week Lecture, Montreal, QC, March 25, 2015.
- “The Cosmic Gift of Neutron Stars,” Brinson Lecture, University of Chicago, Chicago, IL, Nov 5, 2014.
- Featured in French magazine Québec Science, Fall, 2014
- Interview on Fast Radio bursts for McGill Radio Station CKUT, July, 2014
- Interview on Fast Radio Bursts for 580 CFRA News Talk Radio in Ottawa, ON, July 11, 2014
- Interview on Fast Radio Bursts for 1290 CJBK Newstalk Radio in London, ON, July 11, 2014
- Interview on Fast Radio Bursts for CBC Radio Homerun Show, July 10, 2014
- “The Cosmic Gift of Neutron Stars,” Banff Centre Public Lecture, Banff Centre, Banff AL, June 23, 2014
- “Inflation, the Big Bang, Gravitational Waves: A Panel Discussion”, Public Astronomy Night, McGill University, April 24, 2014
- “An Anti-Glitch in a Neutron Star,” National Public Radio Academic Moment, aired April 16, 2014
- “McGill Pulsar Research,” address to Physics Majors from University of Syracuse, McGill University, Mar 10, 2014
- “Energy and the Universe,” McGill Let’s Talk Science, Feb 18, 2014
- Interview for “Gazette des Femmes” Magazine, Oct 11, 2013
- “Our Universe is Big!” Akiva School Grade 4 Class, Westmount, QC, Oct 10, 2013
- “Stargazing for Fun and Profit: What we learn by studying stars,” Congregation Shaar Hashomayim Sunday Lectures, April 14, 2013
- “Can a Moon Have a Moon?” CBC Radio “Quirks & Quarks,” May 4, 2013

- “The Cosmic X-ray Sky,” Public Astro Night, McGill University, July 19, 2012
- External Commentary on “Fermi Finds Youngest Millisecond Pulsar, 100 Pulsars To Date,” NASA Press TeleConference, Nov 3, 2011
- “Inspired Hands on Science: Where Science, Technology and Math Come to Life! An Inside Glimpse into 3 Scientists Doing Cutting Edge Innovative Research,” Bronfman Jewish Education Centre Professional Day, Bialik High School, Cote St. Luc, QC, Nov 2, 2011
- Interview for CBC Television documentary on Marie Curie, Nov 1, 2011 (to air Dec 3, 2011)
- Interview for Technophilic Magazine, September 20, 2011 (for Fall 2011 issue)
- Interview on “Pulsars and CLUMEQ,” CBC Radio Noon, June 14, 2011
- “Our Solar System,” Presentation for Grade 1 at Akiva School, Westmount, QC, Mar 8, 2011
- Panel discussion on for BBC Radio live show “Start of the Week,” Nov 29, 2010
- Interview on “Magnetars,” for *Popular Mechanics*, Russian Edition, Sept 15, 2010
- Selected by Chatelaine Magazine as one of 50 “Femmes de Parole,” 2010
- “Comets,” Grade 4 Project, Science Night, Akiva School, Westmount, QC, Nov 24, 2009
- Invited speaker, “Neutron Stars: Lighthouses of the Cosmos,” MAUT Retirees Luncheon, McGill University Faculty Club, November 13, 2009
- Invited speaker at “The Universe and Our Place in it” Royal Society of Canada Symposium, Ottawa, ON, October 16, 2009
- Invited speaker at “Women In Science” Spring Study Day at the Women’s League for Conservative Judaism, Montreal area, April 23, 2009
- Invited speaker at Bois Briand Astronomy Club, “La Physique dans L’Extreme: Les Etoiles de Neutrons,” March 18, 2009
- Invited speaker at Dawson College, “Neutron Stars: Physics in the Extreme,” Montreal, QC, March 11, 2009
- Panel Speaker for “Women without Borders,” Rutherford Physics, McGill University, Montreal, QC, March 4, 2009
- Judge, Salhaveth Feier Physics Tournament, Bialik High School, Cote St. Luc, QC, Feb 23, 2009
- Interview on the Square Kilometer Array, CBC National News and Radio, Feb 10, 2009
- Edinburgh Elementary School Alumni Day “Planets, Stars and Galaxies,” January 12, 2008
- Interview on Effects of a Nearby Gamma-ray Burst on the Earth, CBC Radio *Quirks and Quarks* Special Radio Show “The End of the Earth”, Nov 6, 2008
- Akiva Elementary School Green Day: The Greenhouse Effect, Montreal, QC, Jan 29, 2008
- CIFAR 25th Anniversary: What is the Next Big Question? Calgary, AL, Nov 7, 2007
- CIFAR 25th Anniversary: What is the Next Big Question? Calgary, AL, Nov 8, 2007
- Vogel Lecture: Neutron Stars: Physics in the Extreme, McGill University, Montreal, QC, Oct 30, 2007

- CIFAR 25th Anniversary: What is the Next Big Question? Montreal, QC, Oct 15, 2007
- CIFAR 25th Anniversary: What is the Next Big Question? Montreal, QC, Oct 16, 2007
- Weizmann Women in Science: On Being a Woman in Physics, Montreal, QC, Oct 16, 2007
- Homer's Physics Talk: Neutron Stars - Physics in the Extreme, McGill University, Montreal, QC Sept 21, 2007
- Molly Fripp Lecture at Miss Edgars and Miss Cramps School: Always Looking Up: A Career in Astrophysics, May 3, 2007
- McGill Alumni Association Lecture, National Research Council, Ottawa, ON, Apr 19, 2007 "The Violent High Energy Universe"
- "Neutron Stars: Physics in the Extreme," Musee de la Science et Nature, Sherbrooke, QC, Mar 8, 2007
- Interview on Anthropic Principle, CBC Radio Noon, aired Jan 25, 2007
- Moderator, Trottier Public Symposium, "A Cosmic Coincidence" with panelists D. Gross, L. Susskind, P. Davies, G. Efstathiou, McGill University, Jan 25, 2007
- "Neutron Stars: Physics in the Extreme", 2006 Science Highlights, Royal Society of Canada Annual General Meeting, Ottawa, ON, Nov 19, 2006
- Interview about Pluto being demoted as a planet, CTV News, aired Aug 24, 2006
- Interview about Pluto being demoted as a planet, CBC Newsworld National News, aired Aug 24, 2006
- Interview about Pluto being demoted as a planet, CBC Radio Noon, aired Aug 15, 2006
- Keynote Speaker, CIAR Annual Spring Dinner "The Life and Times of a Neutron Star", Four Seasons Hotel, Toronto, ON, April 11, 2006
- Interview about pulsars, CBC Radio Noon, aired Jan 25, 2006
- "Une Étoile Étourdissante," Les Années Lumière, CBC Radio Canada, aired Jan 15, 2006
- "Discovery of the Fastest Known Pulsar," CBC National Radio Quirks and Quarks, aired Jan 14, 2006
- "Neutron Stars: Physics in the Extreme," CIAR "Spirit of Discovery" Symposium, Montreal, QC, May 10, 2005
- "The Violent High Energy Universe," McGill "Food for Thought" Lecture Series, McDonald College, Ste Anne de Bellevue, Nov 30, 2004
- "The Violent High Energy Universe," part of the Aspen Center for Physics Lecture Series, Opera House, Aspen, CO Jan 14, 2004
- "What is the Temperature of Outer Space?" CBC National Radio Quirks and Quarks, aired Dec 27, 2003
- "The Violent High Energy Universe," part of the Royal Society Lecture Series in Science, Redpath Museum, McGill University, Montreal, QC Dec 11, 2003
- "Diversity in Young Neutron Stars," Sigma-Xi Society, McGill University, Montreal, QC Sept 22, 2003

- “Being an Astrophysicist,” The Study Career Day, The Study, Montreal, QC, Apr 15, 2003.
- “Why is Snow White?” CBC National Radio Quirks and Quarks, aired Dec 28, 2002
- “Pursuing a Peculiar Pulsar,” CBC National Radio Quirks and Quarks, aired Sept 14, 2002
- “Diversity Among Young Neutron Stars,” Invited Talk, Starseekers Network, Domtar Forrestry Centre, Apple Hill, ON, August 26, 2001.
- “Waves, Particles, and Quantum Mechanics,” Association of Princeton Alumni, Princeton University, June 3, 1994.
- “Unraveling the Cosmos: Tiniest Particles to the Big Bang,” Association of Princeton Graduate Alumni Symposium, Princeton University, June 5, 1993.